



Guide to Geography Programs in the Americas

2013-2014

AAG



Guide to Geography Programs in the Americas 2013-2014

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ABOUT THE ASSOCIATION OF AMERICAN GEOGRAPHERS

The Association

The Association of American Geographers (AAG) is a scholarly, nonprofit organization founded in 1904 to advance professional studies in geography and to encourage the application of geographic research in business, education and government. The AAG was amalgamated with the American Society of Professional Geographers (ASPG) in 1948. From a charter membership of 48 in 1904, Association membership has grown to more than 10,000 at the end of 2013. Any person or organization interested in the AAG's objectives is eligible for membership. Most professional geographers in the United States and many in Canada and abroad are members of the AAG.

Membership Benefits

- *The Annals of the Association of American Geographers* (bimonthly)
- *The Professional Geographers* (quarterly)
- *The AAG Review of Books*
- The AAG Online Newsletter
- Participation in annual, regional and special topical meetings at reduced member rates
- Group insurance plans, including professional liability insurance
- Participation in AAG committees, commissions and projects
- Membership in one of nine AAG regional divisions
- Optional membership in up to six AAG affinity and specialty groups
- Discounts on AAG publications
- Discounts on selected journals and books from other publishers
- Engagement with a global community of leading geography researchers, scholars and educators through special AAG initiatives and through an extensive network of online collaborative resources

Specialty Groups and Affinity Groups

Affinity and Specialty groups sponsor annual meeting sessions and workshops, publish newsletters and engage in other activities that advance their professional and scholarly interests. The groups elect officers and report annually on their activities to the AAG Council. AAG membership includes participation (optional, at nominal cost) in up to six specialty groups.

Annual Meetings

In recent years, over 8,000 individuals have attended AAG annual meetings, which are held in March or April. Delegates present papers, give poster presentations and participate in field trips, panels, symposia and workshops. Future meetings are scheduled for Chicago (2015), San Francisco (2016) and Boston (2017).

Publications

- *The Annals of the Association of American Geographers* (bimonthly) contains major articles of scholarly interest to a broad audience, book reviews and commentary.
- *The Professional Geographer* (quarterly) features short articles on timely topics, book reviews and commentary.
- *The AAG Review of Books* holds scholarly book reviews as formerly published in the AAG's flagship journals, *Annals of the AAG* and *The Professional Geographer*, along with reviews of significant current books related more broadly to geography and public policy and/or international affairs.
- *GeoHumanities* – The AAG will be launching a new journal, *GeoHumanities*, which builds on the AAG's decade-long initiative on geography and the humanities.

AAG Newsletter

The online [AAG Newsletter](#) provides news and information on current activities and opportunities across a broad spectrum of geographic research, teaching and practice. It also publishes presidential columns, necrologies, AAG council meeting minutes, committee reports, opinion pieces and member news.

Jobs & Careers

The [AAG Jobs in Geography Center](#) is the preeminent source of academic jobs in geography, as well as a wide variety of jobs in geography related fields in the public, private, and nonprofit sectors. The searchable database connects employers with thousands of potential employees and gives users the ability to create a personal account, post resumes, set up custom employment alerts, and more.

Guide to Geography Programs in the Americas, AAG Handbook and Member Directory

[The Guide](#), [AAG Handbook](#) and [Member Directory](#) describe geography programs in North American and Latin American colleges and universities and include geographers (AAG members) employed in academic institutions, government agencies and private firms.

AAG Knowledge Communities

The online [AAG Knowledge Communities](#) provide a forum for AAG members, specialty groups, and others to interact and communicate with one another from around the world.

Information on AAG membership and Annual Meetings may be obtained from the Association of American Geographers, 1710 16th Street NW, Washington, DC 20009-3198. Phone 202-234-1450. Fax 202-234-2744. Email: membership@aag.org <http://www.aag.org>

PREFACE

The 2013-2014 edition of the *Guide to Geography Programs in the Americas* describes degree requirements, curricula, faculty qualifications, program specialties, financial assistance and degrees completed for colleges and universities that offer undergraduate and graduate programs in geography in the Americas. The Guide also includes information about government agencies, private firms and research institutions that employ geographers.

The 2013-2014 Guide lists a total of 100 academic institutions in the United States, Canada and Latin America known to offer a doctorate in geography. The volume also contains information on 62 institutions in which the master's is the highest degree offered and 270 that offer bachelor's degrees in geography.

The [AAG Handbook](#) contains the Association's governance documents; lists of the current AAG Council, committees and appointees; information on past AAG officers; membership and annual meeting data; details regarding regional division and specialty groups; and tabulations of recipients of AAG honors and awards.

A list of recently completed theses and dissertations begins on page 300. It provides a permanent record of graduate research in geography. Students and faculty concerned with accepting and offering financial assistance should review the [Council of Graduate Schools in the United States Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants](#) on for information regarding dates for accepting and declining offers of financial support.

The [AAG Member Directory](#) contains member information including names, companies or institutions, addresses, telephone numbers, e-mail addresses, degrees and dates earned, topical and areal expertise, and specialty group membership.

The [AAG Knowledge Communities](#) provide a forum for AAG members, specialty groups, and others to interact and communicate with one another from around the world.

I thank the many individuals who have made the Guide possible, especially the geography program chairs and assistants who provided information for this edition, and Mark Revell and Astrid Ng, who edited and compiled this information.

The Guide has proven to be a useful tool for students selecting undergraduate and graduate programs, for faculty members advising students and for geographers throughout the Americas and the world. This year I am pleased to announce that the 2013-2014 edition of the Guide will be the first available exclusively online. I welcome your suggestions for improvements to future editions of the online *Guide to Geography Programs in the Americas*.

Douglas Richardson
Executive Director

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UNITED STATES

ALABAMA

AUBURN UNIVERSITY

DEPARTMENT OF GEOLOGY and GEOGRAPHY
DATE FOUNDED: 1999

**DEGREES OFFERED: B.A. in Geography; B.S. in
Geology; M.S. in Geography; M.S. in Geology;
Accelerated BA/MS in Geography**
**GRANTED 9/1/12-8/15/13: 13 BA Geography; 13 BS
Geology; 3 MS Geography; 7 MS Geology**
**MAJORS: 29 Undergrad Geography; 43 Undergrad
Geology; 10 Graduate Geography; 17 Graduate
Geology**

CHAIR: Mark Steltenpohl

PROGRAM ADMINISTRATIVE ASST: Audrey Hollis

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geology and Geography, 210 Petrie Hall, Auburn University, Auburn, Alabama 36849. Telephone (334) 844-4074. Fax (334) 844-3409. E-mail: steltmg@auburn.edu. Internet: http://www.auburn.edu/cosam/departments/geology_geography/

PROGRAMS AND RESEARCH FACILITIES: The Department of Geology and Geography at Auburn University offers both graduate and undergraduate majors in Geography the opportunity to join faculty in their research in geospatial analysis, cultural geography, environmental management, hazards, and climatology. Graduate study will place a special emphasis upon applied research as it relates to these sub-disciplines. Supplementing coursework is the department's map collection and a geographic information systems laboratory.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Admission to the undergraduate major program in Geography is the same as that for admission to the College of Sciences and Mathematics. In addition to the University Core Curriculum requirements, undergraduate majors are expected to take Physical Geography, Cultural Geography, Cartography, Aerial Photography and Remote Sensing, and Geographic Information Systems. Fifteen additional hours of geography, two semesters of a foreign language and a statistics course are also required for the major. Undergraduate majors are eligible for earning credit through internal and external internship programs. Exceptional undergraduate students are encouraged to apply for the Accelerated BA/MS program in Geography which allows both degrees to be earned in a total of five years.

Admission to the graduate program in Geography requires admission to the Auburn University Graduate School as well as the completion of a Bachelor's degree in Geography or related field, a minimum undergraduate G.P.A. of 3.0, letters of support, and an acceptable GRE score. Both thesis and non-thesis degree options are available. In both cases, students are required to take courses in Geographic Thought and Quantitative Methods and Spatial Analysis. Students choosing the thesis option will work in consultation with faculty to craft a program of study reflecting their research interests that includes at least 18 additional graduate hours of coursework and a thesis research project (6 credit hours). Students who follow the non-thesis option will complete a customized program of study that includes a

minimum of 33 additional credit hours as well as successfully complete written and oral comprehensive examinations. Graduate applicants are eligible to apply for a graduate teaching or research assistantship that includes a tuition waiver and stipend.

FACULTY:

Philip L. Chaney, Ph.D., Louisiana State University, 1999, Associate Professor — human dimensions of natural hazards, coastal geography

Yingru Li, Ph.D. University of Utah, 2012, Assistant Professor — economic, medical, quantitative methods, gis

Luke Marzen, Ph.D., Kansas State University, 2001, Professor — remote sensing, geographic information systems, human and environmental interface

Daniel McGowin, Ph.D., Florida State University, 2011, Lecturer — cultural, political, ethnicity, sports

Chandana Mitra, Ph.D., University of Georgia, 2011, Assistant Professor — climatology, urban precipitation, gis, climate modeling

Stephanie L. Shepherd, Ph.D., University of Arkansas, 2010, Assistant Professor — fluvial geomorphology, environmental impacts, climate change

EMERITUS FACULTY:

Cyrus B. Dawsey, Ph.D., University of Florida, 1975, Professor Emeritus — Latin America, computer cartography and graphics

Tom L. Martinson, Ph.D., University of Kansas, 1969, Professor Emeritus — Latin America and geographic thought

AUBURN UNIVERSITY AT MONTGOMERY

DEPARTMENT OF SOCIOLOGY, ANTHROPOLOGY, AND GEOGRAPHY

DATE FOUNDED: circa 1975 (Geography courses commenced)

GRADUATE PROGRAM FOUNDED: 2008

**DEGREES OFFERED: undergraduate minor in
Geography, undergraduate minor in GIS,
undergraduate and graduate certificates in GIS,
Master of Liberal Arts (MLA) in GIS**

**GRANTED 9/2013 to 8/2014: 3 undergraduate minors, 1
undergraduate certificate in GIS**

**STUDENTS IN RESIDENCE: 13 undergraduate minors,
17 graduate MLA GIS and certificate-seeking
students**

CHAIR: Terance Winemiller

DEPARTMENT ADMINISTRATIVE ASSISTANT: Lauri Quick

FOR FURTHER INFORMATION CONTACT: Geography and GIS Program Coordinator; Department of Sociology, Anthropology, and Geography; Auburn University at Montgomery; 7041 Senators Drive; 331 Liberal Arts Building; Montgomery, AL 36117. Telephone 334-244-3378. Fax 334-244-3740. Email: twinemil@aum.edu. Internet: <http://www.liberalarts.aum.edu/departments/sociology/geography>

PROGRAMS AND RESEARCH FACILITIES: AUM offers introductory world regional, human, and physical geography courses, along with urban, population, North American regional, and economic geography courses for both undergraduates and graduate students. GIS courses include cartography, vector and raster GIS, and remote sensing at the undergraduate and graduate levels. Undergraduate

minors are offered in Geography and GIS. The GIS certificate program satisfies coursework components for GIS certification.

The interdisciplinary Master of Liberal Arts in GIS allows students to apply GIS study to social science topics in disciplines such as anthropology, sociology, and geography. The AUM Geospatial Research Laboratory features 29 computers, each with ArcGIS, GeoMedia Professional, GeoMedia Grid, GeoMedia 3D, ERDAS IMAGINE, ENVI, GPS Pathfinder Office, and TerraSync. Lab equipment includes a Bruker Tracer III portable XRF, NextEngine 3D Laser Scanner, Swinglet CAM autonomous remote-sensing aircraft, Leica iCON robot 50 robotic laser total station, Trimble GeoExplorer 6000 handhelds, Trimble Juno handhelds, a large format map scanner, and a 48" plotter. Students, researchers, and faculty in geography have opportunities for collaboration with the AUM Center for Demographic Research and participation in ongoing research fieldwork in Middle America and South America.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The university uses a semester system. Students may enroll full or part time and courses are available both on campus and online. For admission to the university, students must have, at a minimum, a high school grade point average of 2.3 or higher and a minimum ACT of 18 or SAT 860 (excluding the writing portion). Further information is available at <http://www.aum.edu/admissions>. Financial aid from the program is available in the form of graduate research assistantships and merit-based scholarships.

GEOGRAPHY FACULTY:

Brian Edward Johnson, Ph.D., Indiana University, 2010, Assistant Professor of Geography — urban geography, population geography, urban planning, North America

Terance Winemiller, Ph.D., Louisiana State University, 2003, Associate Professor of Anthropology and Geography and Department Chair — GIS, cartography, remote sensing, anthropology, Middle America, South America

UNIVERSITY OF ALABAMA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1903

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: B.A., B.S., M.S. in Geography, B.S. in Environmental Science

GRANTED 6/1/12-5/31/13: 59 Bachelors, 8 Masters

STUDENTS IN RESIDENCE: 180 Majors, 27 Masters

NOT IN RESIDENCE: 1 Masters

CHAIR: Douglas Sherman

DEPARTMENT ADMINISTRATIVE ASSISTANT: Leigh Ann Franklin

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Justin Hart, Department of Geography, Box 870322, 202 Farrah Hall, University of Alabama, Tuscaloosa, Alabama 35487-0322. Telephone (205) 348-5047. Fax (205) 348-2278. E-mail: hart013@bama.ua.edu. Internet: www.as.ua.edu/geography.

PROGRAMS: The curricula supporting the B.A. and B.S., and M.S. degrees in Geography and Environmental Science and the M.S. degree in Geography are designed to prepare students in the fields of applied geography, biogeography, climatology, geomorphology, geospatial analysis, human-environment interactions, and planning. The B.S. in Environmental Science is an interdisciplinary program that requires coursework in other natural sciences. The graduate program emphasizes a thesis-oriented approach to develop theoretical and methodological expertise and allows students to concentrate in human or physical geography with a broad range of options within each.

RESEARCH FACILITIES: The Department is located in a 30,000 square foot facility near the center of campus. The Department operates the Earth Surface Dynamics Laboratory, which is well equipped for field investigations and laboratory analyses pertaining to geomorphology, soils, and watershed science. The Forest Dynamics Laboratory supports study of forest development and successional patterns, forest ecosystem ecology, and ecological plant geography. The physical lab is comprised of four rooms each devoted to specific tasks and the lab is well equipped for projects in forest research and dendrochronology.

The UA Library System includes six separate libraries and the university is a member of the Association of Research Libraries. The collections include over two million books, journals, and microforms, and receive more than 16,000 periodicals, serials, and newspapers. Geospatial Information Services within the Department include the GIS and Remote Sensing Laboratory, Cartographic Research Laboratory, and the University Map Library. The GIS and Remote Sensing Laboratory maintains a state-of-the-art facility for GIS data input, database management, spatial analysis and manipulation, and information output, as well as digital image processing of remotely sensed data. The Cartographic Research Laboratory is designed to operate in an instructional and production environment. The University Map Library, managed by the Department, contains over 300,000 maps and 70,000 aerial photographs. In addition to providing public reference service, the Map Library functions as a research unit.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The graduate academic program requires the completion of 30 to 39 graduate semester hours with at least two-thirds being courses numbered 500 or above. Six to nine hours of electives in related fields are allowed with departmental approval. The Certificate in Regional and Urban Planning, an option, includes courses in Public Administration, Economics, and Geography and may be attached to a graduate degree in Geography. The program is open to qualified students with either an undergraduate major in geography or a major acceptable to the Department. A combined score of at least 1000 on verbal and quantitative portions of the GRE and an undergraduate B average are required for unconditional admission.

Fellowships, teaching and research assistantships ranging from \$13,311 to \$15,000 for the academic year are regularly granted on a competitive basis. Two cartographic assistantships are available in the Cartographic Research and GIS Research Labs. All tuition is waived by most assistantships.

FULL-TIME FACULTY:

Seth Appiah-Opoku, Ph.D., Waterloo, 1997, Associate Professor — urban and regional planning, environmental planning and management, Africa

Eben N. Broadbent, Ph.D., Stanford, 2012, Assistant Professor — tropical ecology, conservation, climate change

Sagy Cohen, Ph.D., Newcastle, 2010, Assistant Professor — GIS, Numerical Modeling, Geomorphology

C. Hobson Bryan, Ph.D., Louisiana State, 1968, Professor — environmental analysis, social impact assessment, resource management, recreation

M. A. Lisa Davis, Ph.D., Tennessee, 2005, Associate Professor and Director of the Environmental Science Program — geomorphology, watershed processes, and environmental change
Luoheng Han, Ph.D., Nebraska, 1994, Professor and Associate Dean — remote sensing, GIS, water quality

Justin L. Hart, Ph.D., Tennessee, 2007, Associate Professor and Director of Graduate Admissions and Recruitment — biogeography, vegetation dynamics, natural resource management

Mary W. Pitts, M.S., London, 1989, Instructor and Director of Undergraduate Studies — natural hazards, environmental site assessment, and water resources

Sarah Praskievicz, Ph.D., Oregon, 2014, Assistant Professor — water resources, climate change, hydrology

Jeffrey P. Richetto, Ph.D., Ohio State, 1977, Associate Professor — urban and regional planning, economic, and industrial/retail site analysis

Jason C. Senkbeil, Ph.D., Kent State, 2007, Assistant Professor — severe weather hazards, climatology

Douglas J. Sherman, Ph.D., Toronto, 1983, Professor and Chair — Geomorphology

Michael K. Steinberg, Ph.D., Louisiana State, 1999, Associate Professor of New College and Geography — cultural ecology, biogeography, endangered species

Matthew D. Therrell, Ph.D., Arkansas, 2003, Associate Professor — dendrochronology, climate reconstruction, biogeography

Joe Weber, Ph.D., Ohio State, 2001, Professor and Director of Graduate Studies — transportation, national parks, GIS, urban geography

Bobby M. Wilson, Ph.D., Clark, 1974, Professor — urban geography, social geography, North America

ADJUNCT FACULTY:

Bennett L. Bearden, J.S.D., Pacific, 2011 — Director, Water Policy and Law Institute

Steven P. Ericson, M.S., Georgia State, 2003, Instructor — human geography, sports geography

Amanda Espy-Brown, Ph.D., Florida, 1998, Instructor — cultural geography, medical geography, physical geography

Thomas J. Kallsen, M.S., Alabama, 1980, M.L.S., Emporia State, 1983, Map Library Supervisor — map reading and interpretation skills, topology and toponymy

Craig Remington, M.S., Florida State, 1981, Cartographic Lab Supervisor — traditional and computer cartography, world regional

Linda S. Watson, M.S., Alabama, 2006, M.L.S., South Carolina, 1985, Instructor — Geographic Information Systems (GIS) applications, toponymy

Angelica Almeyda Zambrano, Ph.D., Stanford, 2012 — political ecology, conservation and development

UNIVERSITY OF NORTH ALABAMA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1929

DEGREES OFFERED: B.A., B.S., M.S., in Geography, M.S. in Geospatial Science.

GRANTED 9/1/13-7/31/14: 36 Bachelors

GRANTED 9/1/13-7/31/14: 03 Masters

MAJORS: 150 CHAIR: Francis T. Koti

DEPARTMENT ADMINISTRATIVE ASST: Pam Bishop

GRADUATE PROGRAM COORDINATOR: Dr. David Brommer (256) 765-6307

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Francis T. Koti, Department of Geography, University of North Alabama, Florence, Alabama 35632-0001. Telephone (256) 765-4219, Fax (256) 765-4141 (address c/o Francis T. Koti, Department of Geography). E-mail: ftkoti@una.edu Internet: www.una.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The department offers three undergraduate major programs: Geographic Information Science, Business Geography and General Geography. The major in Geographic Information Science is designed for students who wish to pursue careers in applied geography through studies in economic geography, land use analysis and planning, Remote Sensing and Geographic Information Systems. The GIScience major prescribes courses in statistics, computer science and computer information

systems. Business Geography applies the spatial perspective to business activities. The major in General geography is for students interested in careers in government, business and industry, and geographic education. Students can receive internships and co-op experience in urban and regional planning, geographic information systems, electrical utilities analysis, and environmental management. The department also offers a Master's of Sciences.

The department houses the Freddie Wood Geographic Research Center (FWGRC) which has 36 PC's dedicated to undergraduate GIS, Remote Sensing, and GPS applications. Software includes: ERDAS Imagine, ArcGIS, and a variety of web development tools.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Office of Admissions requires ACT score, transcript and application. Financial assistance is available by application to the Financial Aids Office.

FACULTY:

David M. Brommer, Ph.D., Arizona State University, 2006, Associate Professor — physical geography, climatology, meteorology, environmental hazards

Jonathan P. Fleming, Ph.D., Mississippi State University, 2012, Assistant Professor — physical geography, cartography, GIS, applied geospatial analysis

Gregory G. Gaston, Ph.D., Oregon State University, 1993, Professor — physical geography, remote sensing, geomorphology, climatology and GIS

Francis Koti, Ph.D., West Virginia University, 2004, Professor — regional development and planning, urban, GIS and society

Lisa Keys-Mathews, Ph.D., University of Memphis, 2007, Professor — environmental hazards, GIS, remote sensing, cartography

Michael Pretes, Ph.D., Australian National University, 2006, Professor — development, finance, political, tourism, Australia, Pacific, and Arctic

Sunhui Sim, Ph.D., Florida State University, 2010, Assistant Professor — urban remote sensing, urban geography, urban growth modeling, GIS for natural resources management and landscape ecology

EMERITUS FACULTY:

Gary M. Green, M.A., Georgia, 1976, Associate Professor — economic, political, conservation, geographic education, the South, Europe, North America

Priscilla Holland, Ed.D., University of Alabama, 1997, Assistant Professor and Assistant Vice President for Academic Support Services — geographic education

William R. Strong, Ph.D., Texas, 1979, Professor — cultural, cartography, geographic education, geographic thought, Central America

ALASKA

UNIVERSITY OF ALASKA FAIRBANKS

DEPARTMENT OF GEOSCIENCES

DATE FOUNDED: 1967

**DEGREES OFFERED: B.A. Geography, B.S. Geography,
B.A. Earth Sciences, B.S. Geosciences, M.S., Ph.D.
Geology, M.S., Ph.D. Geophysics**

**DEGREES GRANTED 7/1/12-6/30/13: 11 Geography
Bachelors, 10 Geoscience Bachelors, 1 Earth Science
Bachelors, 15 M.S., 11 Ph.D.**

**STUDENTS IN RESIDENCE: 30 Geography Majors, 60
Geoscience Majors, 6 Earth Science Majors, 40 M.S.,
30 Ph.D.**

**GEOSCIENCES DEPARTMENT CHAIR: Paul
McCarthy**

**GEOGRAPHY PROGRAM COORDINATOR: Cary W.
de Wit**

ADMINISTRATIVE ASSISTANT: Ellen Craig

FOR CATALOG AND FURTHER INFORMATION CONTACT:
Ellen Craig, Administrative Assistant, Department of Geosciences, PO
Box 755780, University of Alaska Fairbanks, Fairbanks, AK, 99775-
5780. Telephone (907) 474-7565. Fax: (907) 474-5163. Email:
geology@uaf.edu Web: www.uaf.edu/geology

GEOGRAPHY PROGRAMS AND RESEARCH FACILITIES:

Program specialties: Alaska, Circumpolar North, Pacific Rim, Climate & Environmental Change, Arctic Policy, Geospatial Sciences, and Environmental Studies. UAF offers unparalleled access to northern environments and cultures for coursework, research, and internships. Within easy reach are glaciated landscapes of all ages, active glaciers, tundra, permafrost, boreal forest, temperate rainforest, sea ice, thermal springs, streams of all sizes, bush villages, mine sites, and wilderness. Foreign exchange relationships allow students to study in Australia, Norway, U.K., Siberia, Yukon Territory, Quebec, Ontario, and Newfoundland, among others. Internship opportunities include placement with the Alaska Satellite Facility, Alaska Division of Forestry, Alaska Department of Natural Resources, Alaska Coastal Research Center, Alaska Department of Fish and Game, National Park Service, National Forest Service, Bureau of Land Management, National Weather Service, and U.S. Geological Survey.

The B.A. in Circumpolar North and Pacific Rim Studies gives students a broad understanding of the interactions among the physical environments, economics, political events, and cultures of these two unique regions of the world, and equips students with the ability to interpret contemporary geopolitical and environmental issues. The degree program can be tailored to prepare students for teaching geography or social science in K-12 schools, for professional work in government or industry, or for graduate study.

The Program offers three B.S. degree concentrations: Landscape Analysis and Climate Change Studies, Geospatial Sciences, and Environmental Studies. Each degree option gives students an understanding of the fundamental components of the natural environment, fosters an interdisciplinary perspective on environmental issues, equips students with a diverse selection of technical and scientific approaches to environmental analysis, and enhances their ability to formulate balanced solutions to contemporary environmental problems.

The program administers several K-12 programs, including: teacher training, outreach, and curriculum development throughout the state of Alaska, in collaboration with the National Geographic Society; and a technology-focused collaborative education outreach program with Google Earth. All of these programs offer undergraduate and graduate students opportunities to engage in outreach and research collaborations. For more information, contact Outreach and Education Coordinator Katie Kennedy, (907) 474-6121, katie.kennedy@alaska.edu.

Situated in the heart of interior Alaska, UAF is an ideal place to experience life in the far north. You'll experience abundant wildlife, the Northern Lights, and dramatic seasonal changes in sunlight and temperature. Year-round outdoor recreation opportunities abound on campus, around Fairbanks, and within a few-hours' drive, including downhill and cross-country skiing, hiking, river- and sea-kayaking, wilderness backpacking, rock- and ice-climbing, dog-sledding, wildlife photography, and world-class hunting and fishing.

ACADEMIC PLAN, ADMISSION REQUIREMENTS AND FINANCIAL AID: Semester system. Summer sessions also available. Admissions: Office of Admissions, University of Alaska Fairbanks, 102 Signers' Hall, P.O. Box 757480, Fairbanks, AK 99775-7480. Toll-free: (800) 478-1823, Local: (907) 474-7500. Fax: (907) 474-7097. Email: admissions@uaf.edu. Web: www.uaf.edu/admissions. Financial Aid: Financial Aid Office, University of Alaska Fairbanks, 107 Eielson Building, P.O. Box 756360, Fairbanks, AK 99775-6360. Phone: (907) 474-7256. Fax: (907) 474-7065. Email: uaf-financialaid@alaska.edu. Web: www.uaf.edu/finaid.

GEOGRAPHY FACULTY:

Cary W. de Wit, Ph.D., Kansas, 1997, Associate Professor — cultural, sense of place, perceptual geography, energy geopolitics, North American culture regions
Christopher V. Maio, Ph.D., University of Massachusetts-Boston, 2014, Assistant Professor — physical, coastal geomorphology, coastal environmental change, climate change
Daniel J. Mann, Ph.D., University of Washington, 1983, Assistant Professor — quaternary studies, forest ecology, ice-age climate change, interactions between prehistoric humans and changing climate
Catherine M. Kennedy, Geography Instructor and K-12 Outreach Coordinator — geographic education, geospatial technologies

GEOLOGY AND GEOPHYSICS FACULTY:

James Beget, Ph.D., University of Washington, 1981, Professor — quaternary geology, tephrochronology, volcanology, geomorphology
Patrick Druckenmiller, Ph.D., University of Calgary (Canada), 2006, Associate Professor — vertebrate paleontology specializing in Mesozoic marine reptiles; plesiosaur and ichthyosaur phylogeny; Jurassic marine reptiles of Svalbard, Norway; Alaskan dinosaurs
Hajo Eicken, Ph.D., University of Bremen, Germany, 1990, Professor — sea ice geophysics
Sarah Fowell, Ph.D., Columbia University, 1994, Associate Professor — reconstruction of ancient ecosystems and climates through identification of pollen and spores preserved in lacustrine sediments or rocks
Jeff Freymueller, Ph.D., University of South Carolina, 1991, Professor — seismology and volcanology
Regine Hock, Ph.D., ETH/Swiss Federal Institute of Technology (Zurich), 1997, Professor — glacier mass balance, glacier meteorology and hydrology
Jessica Larsen, Ph.D., University of California, Santa Cruz, 1996, Associate Professor — volcanology and petrology, natural hazards
Paul McCarthy, Ph.D., University of Guelph (Canada), 1995, Professor — paleolandscape evolution, alluvial architecture and nonmarine sequence stratigraphy

Franz J. Meyer, Ph.D., Technical University of Munich, Germany, 2004, Research Assistant Professor — development of advanced SAR, InSAR, PS-InSAR

Erin Pettit, Ph.D., University of Washington, 2003, Assistant Professor — glacier dynamics and climate change

Anupma Prakash, Ph.D., Indian Institute of Technology of Roorkee, 1996, Professor — mapping Earth Surface Composition and Change; Remote Sensing and GIS

Vladimir Romanovsky, Ph.D., Moscow State University, 1982, Ph.D., University of Alaska Fairbanks, 1996, Professor — cold region soil engineering problems and modeling

Michael Whalen, Ph.D., Syracuse University, 1993, Associate Professor — stratigraphy and sedimentation, environmental geology

GEOGRAPHY EMERITI FACULTY:

Roger W. Pearson, Ph.D., Illinois, 1970, Professor Emeritus — cultural, political, northern development, geographic education, circumpolar north

GEOGRAPHY AFFILIATE FACULTY:

Glenn P. Juday, Ph.D., Oregon State, 1976, Associate Professor, Department of Forest Sciences — forest ecology, natural area protection and management, global climate change

David L. Verbyla, Ph.D., Utah State, 1988, Professor, Department of Forest Sciences — GIS applications to resource inventory, climate change studies, and regional analysis

ARIZONA

ARIZONA STATE UNIVERSITY

SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING

DATE FOUNDED: 1923 - became School of Geographical Sciences and Urban Planning in 2009

GRADUATE PROGRAM FOUNDED: 1961

DEGREES OFFERED: B.A., B.S., B.S.P., M.A., M.A.S., M.U.E.P., and Ph.D.

GRANTED 7/1/10-6/30/2011: 72 Bachelors, 33 M.A.S./GIS, 3 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 205 Majors, 8 Masters, 62 Ph.D., 54 M.A.S./GIS, 51 M.U.E.P.

DIRECTOR: Elizabeth Wentz

FURTHER INFORMATION WRITE TO: Graduate Program Coordinator, School of Geographical Sciences and Urban Planning, Arizona State University, Box 875302, Tempe, Arizona 85287-5302. Telephone (480) 965-7533. Fax (480) 965-8313. Email: geoplan@asu.edu Internet: geoplan.asu.edu

PROGRAMS AND RESEARCH FACILITIES: The School of Geographical Sciences and Urban Planning at ASU offers four graduate degree programs: traditional Master of Arts and Ph.D. degrees in Geography (with an option for a Masters in Passing), one professional Master's degree in Urban Planning (M.U.E.P.) and a professional Master of Advanced Study (M.A.S) degree in Geographic Information Systems (M.A.S/GIS).

The M.A. degree requires 30 semester hours beyond the bachelor's degree and a thesis. The M.U.E.P. degree requires 47 credit hours and has three different options for completion: thesis, professional project or capstone studio. The PhD degree program through the Masters in Passing (M.I.P) requires 30 semester hours of graduate credit beyond

the bachelor's degree and 54 semester credits after passing the research and field examination, which constitutes advancement into the Ph.D. program. No master's thesis is required. The traditional (post master's) Ph.D. degree requires 84 semester credits of which 30 can be used from a master's degree.

The MA and PhD degrees are focused on four broad interdisciplinary areas of inquiry: Computational Spatial Science, Cultural Geographies — Place, Culture, Identity, Earth Systems and Climate Science, and Sustainability Science and Studies.

The Master of Advanced Study degree in Geographic Information Systems (M.A.S./GIS) provides students with a balance of technological expertise, project-management skills, and application experience to prepare them for managerial and executive-level jobs. All courses in the one-year program are offered during the evenings and on weekends to accommodate full-time work schedules.

ASU is transforming itself into a model for the New American University, emphasizing intellectual fusion and transdisciplinary use-inspired research, stressing local embeddedness as well as global engagement. The School of Geographical Sciences and Urban Planning is slated to play an important role in this endeavor. The School Faculty come from a range of training backgrounds and research interests and have strong affiliations with several interdisciplinary units on campus, such as the School of Human Evolution and Social Change, the School of Sustainability, and the Consortium for Science, Policy and Outcomes. Faculty play major roles in several transdisciplinary research efforts, including the Global Institute of Sustainability, the Decision Center for a Desert City, the Central Arizona-Phoenix Long Term Ecological Research Project (CAP-LTER), the State Climatologist Office, the Center for Social Dynamics and Complexity, the Decision Theater, and the GeoDa Center for Geospatial Analysis and Computation. The location of the University in the greater Phoenix metropolitan area in Southwestern United States, in close proximity of Northern Mexico and the Western mountains also provides an ideal laboratory for field research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS AND FINANCIAL AID:

Academic plan: semester system. Admission requirements for M.A.: undergraduate major in geography or 15 semester hours in geography and related fields, with a B average for the last two academic years; for M.U.E.P. is undergraduate major in Urban Planning and related fields with a B average for the last two academic years; for Ph.D.-Master's degree in geography or related field or equivalent, and B average at the graduate level; admission to the Ph.D. program through the Masters in Passing option is possible directly following a bachelor's degree. GRE scores are also used in determining admittance into most programs. TOEFL score required for foreign students.

Teaching assistantships, university scholarships, and other awards are available. Teaching and Research assistantship stipends range from \$15,000 to \$20,000 for the academic year. Graduate assistants and associates receive waivers of all out-of-state and in-state tuition, and health benefits.

FACULTY:

Luc Anselin, Ph.D., Cornell, 1980, Walter Isard Chair and Professor — geographic information science, spatial econometrics, regional science

Daniel D. Arreola, Ph.D., UCLA, 1980, Professor — cultural, landscapes, Mexican-American borderlands

Robert C. Balling Jr., Ph.D., Oklahoma, 1979, Professor — climatology, climate change, physical climatology, spatial statistics

Netra Chhetri, Ph.D., Pennsylvania State, 2007, Associate Professor — land uses and cover, human dimensions of global climate change, water resources, political ecology of resources

- Katherine Crewe, Ph.D., Massachusetts, 1997, Associate Professor — planning practice and transportation; historic preservation, citizen participation, gender studies and planning, physical planning/urban design, International Urban Design
- Randall S. Cervený, Ph.D., Nebraska, 1986, President's Professor — dynamic and synoptic meteorology, global climate modeling
- Stephanie Deitrick, Lecturer and MAS-GIS Program Director — Cartography, visualization, GIS
- Ronald I. Dorn, Ph.D., UCLA, 1985, Professor — desert, hill slope, and quaternary geomorphology, dating methods, remote sensing
- Patricia L. Fall, Ph.D., Arizona, 1988, Professor — biogeography, quaternary geology, paleontology
- Janet Franklin, Ph.D., University of California, Santa Barbara, 1988, Professor — landscape ecology, biogeography, remote sensing, geographic information science
- Patricia Gober, Ph.D., Ohio State, 1975, Research Professor — population, housing demography, urban, migration
- Aaron Golub, Ph.D., University of California, Berkeley, 2003, Associate Professor — urban transportation planning, environmental and social impacts of transportation, environmental justice, and international transportation
- Joochul Kim, Ph.D., Michigan, 1979, Associate Professor — community planning, economic development planning, housing and international planning
- Jennifer Kitson, Ph.D., Arizona State, 2013, Lecturer
- Julia Koschinsky, Ph.D., Illinois, 2008, Associate Research Professor and Research Director, GeoDa Center for Geospatial Analysis and Computation — spatial analysis, housing, program evaluation, research design
- Michael Kuby, Ph.D., Boston, 1988, Professor — economic geography, location analysis, energy, mathematical models and quantitative methods, transportation
- Kelli L. Larson, Ph.D., Oregon State, 2004, Associate Professor — water science and policy, sustainability
- Elizabeth Larson, Ph.D., Wisconsin, Milwaukee, 1991, Lecturer — Latin American social geography
- Wei Li, Ph.D., Southern California, 1997, Professor — race and urban ethnicity, housing
- Elizabeth Mack, Ph.D., Indiana University, Bloomington, 2010, Assistant Professor — technological and human capital aspects of economic development, green development, input-output modeling, spatial econometrics, crime analysis
- Kevin E. McHugh, Ph.D., Illinois, 1984, Associate Professor — population, social migration, geography of aging
- Alan T. Murray, Ph.D., University of California, Santa Barbara, 1995, Professor — geographic information science, location modeling, resource planning, spatial decision support systems
- Soe Winn Myint, Ph.D., Louisiana State, 2001, Professor — environment, remote sensing
- Breandán Ó hUallacháin, Ph.D., Illinois, 1982, Professor — economic, industrial location, urban, regional economic development
- Martin J. Pasqualetti, Ph.D., University of California, Riverside, 1977, Professor — natural resources, energy, environmental systems, nuclear power
- Deirdre Pfeiffer, Ph.D., UCLA, 2011, Assistant Professor — housing and community development, race and class stratification, participatory planning, qualitative methods
- David Pijawka, Ph.D., Clark University, 1983, Professor — sustainable planning and design, socio-economic assessments, disaster management and recovery planning, perception and behavior studies, institutional design
- Sergio J. Rey, Ph.D., University of California, Santa Barbara, 1994, Professor — open source geocomputation, spatial econometrics, economic geography, regional science
- Deborah Salo, Ph.D., University of California, Davis, 2006, Assistant Professor — transportation and residential location choices, urban economics, public transportation finance
- Mark W. Schmeeckle, Ph.D., Colorado, 1998, Associate Professor — geomorphology, fluvial processes, earth surface transport and morphodynamics
- Nancy Selover, Ph.D., Arizona State, 2005, Research Professor and Arizona State Climatologist — urban climatology, evaporation, drought, micro-climate field research
- J. Duncan Shaeffer, Ph.D., Arizona State, 2001, Senior Lecturer — world regional and cultural geography
- Jay Stein, Ph.D., University of Michigan, 1976, Professor of Practice — health and the built environment, growth management, economic development planning, sustainability
- Emily Talen, Ph.D., University of California, Santa Barbara, 1995, Professor — urban form, sustainable cities, new urbanism
- B. L. Turner II, Ph.D., Wisconsin, Madison, 1974, Gilbert F. White Professor of Environment and Society — human-environment relationships, land change science, sustainability, tropical forests, ancient Maya
- Douglas Webster PhD, University of California, Berkeley, 1977, Professor — sustainable urbanization, city building in China, Southeast Asian urbanization, urban competitiveness/city development strategies
- Elizabeth A. Wentz, Ph.D., Pennsylvania State, 1997, Professor — GIS, spatial analysis, environmental
- ACADEMIC PROFESSIONALS:**
- Barbara Trapido-Lurie, M.A., Hawaii, 1987, Senior Research Professional — cartography
- AFFILIATED FACULTY:**
- Bob Bolin, Ph.D., Colorado, 1976, Professor — political ecology, environmental hazards and risk, contemporary social theory, social movements and change, urban sociology/geography
- Christopher Boone, Ph.D., Toronto, 1994, Professor — urbanization, urban environments, urban sustainability, environmental justice
- Hallie C. Eakin, Ph.D., University of Arizona, 2002, Associate Professor — vulnerability, adaptation, global change, globalization, Latin America, Mexico, food systems, agrarian change
- V. Kerry Smith, Ph.D., Rutgers, 1970, W.P. Carey Professor — environmental and resource economics
- EMERITUS FACULTY:**
- Frank T. Aldrich, Ph.D., Oregon State, 1972, Professor — GIS, cartography/computer graphics, field methodology, remote sensing
- Elizabeth K. Burns, Ph.D., UC Berkeley, 1974, Professor — urban, land use, transportation, urban and regional planning
- Anthony J. Brazel, Ph.D., Michigan, 1972, Professor — physical, microclimatology, alpine climatology, applied meteorology
- Malcolm L. Comeaux, Ph.D., Louisiana State, 1969, Professor — cultural, historical, history of geographic thought, Southwestern United States
- William L. Graf, Ph.D., Wisconsin, 1974, Regents Professor — fluvial, public land policy, arid lands
- W. Donald McTaggart, Ph.D., Australian National, 1963, Professor — underdeveloped nations, urban, Southeast Asia
- Robert C. Mings, Ph.D., Ohio State, 1966, Professor — recreational, tourism, economic, social
- Charles S. Sargent, Jr., Ph.D., UC, Berkeley, 1971, Professor — urban, historical, Europe, Latin America
- Guido G. Weigend, Ph.D., Chicago, 1949, Professor — political, Europe, Soviet Union, Southern Africa
- ADJUNCT FACULTY:**
- Ronald Holle, M.S., Florida State, 1966, Meteorological Consultant
- Sherwood B. Idso, Ph.D., Minnesota, 1967, U.S. Water Conservation Service Labs, USDA
- Robert Maddox, Ph.D., NWS Forecast Office
- Susan R. Sargent, PhD., City of Phoenix Planning Department, Arizona

Mark R. Sinclair, Ph.D., *US Naval Postgraduate School, 1985, Embry-Riddle Aeronautical University*
 John Skindlov, Ph.D., *Delaware, 1992, Salt River Project*
 David Whitley, Ph.D., *UCLA, 1982, W&S Consultants, Cultural Resource Management*

MESA COMMUNITY COLLEGE

CULTURAL SCIENCE DEPARTMENT

DATE FOUNDED: 1966

DEGREES OFFERED: A.A with concentration in Geography, AAS in Applications in Geospatial Technologies

CERTIFICATES OFFERED: Information Systems Technician, Sustainability, Global Citizenship

FOR FURTHER INFORMATION WRITE TO: Dr. Erin Saffell, Cultural Science Department, Mesa Community College, 1833 W. Southern Ave., Mesa, Arizona 85202. Telephone (480) 461-7035. Fax (480) 461-7812. E-mail: erinanne.saffell@mesacc.edu. Internet: <http://www.mesacc.edu/programs/geography>

COURSES OFFERED: Introduction to Physical Geography, World Regional Geography, Introduction to Human Geography, Introduction to Meteorology, Introduction to Climatology, Society and Environment, Landform Processes, Arizona Geography, Extreme Weather and Climate, Introduction to GIS Using ArcGIS, Intermediate GIS Using ArcGIS, Advanced GIS Using ArcGIS, Introduction to Cartography and Geospatial Technologies, Introduction to Remote Sensing, GIS Internship, Geography Service Learning Experience.

Students may participate in departmental field trips, service learning opportunities, study abroad programs, and use of a GIS lab.

FACULTY:

Steve Bass, M.A., *Michigan State University, 1987* — world regional, urban, Arizona geography
 Karen E. Blevins, M.A., *Arizona State University, 2002* — geographic information science
 Chad Bush, M.A., *Arizona State University, 2012* — physical geography, meteorology/climatology
 Niccole Villa Cervený, Ph.D., *Arizona State University, 2005* — physical geography, geomorphology
 Renée C. Elder, M.A., *Arizona State University, 2013* — Caribbean, hydroclimatology
 Clemenc Ligocki, M.A., *Arizona State University, 1981* — physical geography, transportation
 Michelle Pulich-Stewart, M.A.G., *Texas State University, 2001* — environmental geography, sustainability
 Elizabeth Ridder, Ph.D., *Arizona State University, 2013* — physical geography, biogeography
 Erinanne Saffell, Ph.D., *Arizona State University, 2004* — meteorology/climatology

NORTHERN ARIZONA UNIVERSITY

DEPARTMENT OF GEOGRAPHY, PLANNING, AND RECREATION

DATE FOUNDED: 1967

GRADUATE PROGRAM FOUNDED: 1990

DEGREES OFFERED: B.S Geographic Sciences and Community Planning; B.S. in Parks and Recreation Management; M.S. in Applied Geospatial Sciences; Certificate in Parks and Recreation Management; Graduate Certificate in Geographic Information Systems; Graduate Certificate in Community Planning; M. of Administration in Community Planning and Geographic Information Systems

GRANTED 6/1/11-1/31/14: 39 Geographic Science and Planning, 206 Recreation, 24 Masters, 28 Masters Certificates

STUDENTS IN RESIDENCE: 70 Geographic Science and Planning, 264 Recreation, 28 Masters, 25 Masters Certificates

CHAIR: Thomas Paradis

DEPARTMENT ADMINISTRATIVE ASSOCIATE: Nicole Harris

FOR FURTHER INFORMATION WRITE TO: Administrative Associate, Department of Geography, Planning, and Recreation, Northern Arizona University, NAU Box 15016, Flagstaff, Arizona 86011-5016. Telephone (928) 523-2650. Fax (928) 523-2275. E-mail: geog@nau.edu. Internet: <http://nau.edu/sbs/gpr>.

PROGRAMS AND RESEARCH FACILITIES: The B.S. degree is offered with majors in Geographic Science and Community Planning, and parks and recreation management. The Geographic Sciences and Community Planning major integrates geographic knowledge and GIS mapping technologies with the problem-solving fields of community planning and urban design. Known as Geodesign, this educational framework will prepare you to create more livable and sustainable communities while contributing to a better world. The Parks and Recreation Management program offers emphases in community and commercial recreation, outdoor education and leadership, Park Protection, Tourism, and Individualized Studies. The Parks and Recreation Management degree program is also available over the Internet. The department also offers a specialist program, called the Park Ranger Training Program which is one of eight ranger training programs across the United States. This program offers a national park service approved basic law enforcement training for those seeking seasonal and permanent law-enforcement ranger jobs with the national park service. For more information see the program website at www.prm.nau.edu/rangers. The Park Ranger Training is also part of the Park Protection emphasis area within the PRM degree program. The Department of Geography, Planning, and Recreation also offers a 15 semester hour undergraduate certificate in parks and recreation management over the Internet, and an 18 semester hour graduate-level certificate in GIS and a 15 semester hour graduate-level certificate in Community Planning.

We now offer a B.S. - M.S. Integrated Program in Applied Geospatial Sciences For NAU undergraduate Students Majoring in B.S. Geographic Sciences and Community Planning and B.S. Parks and Recreation Management. The Integrated B.S.-M.S. Program offers highly qualified and mature undergraduate students the opportunity for graduate study earlier than would normally be possible. The program is open to students who have demonstrated a mastery and commitment to the emphasis areas offered in the M.S. in Applied Geospatial Science. **Benefits of the Integrated Program**

include: The Graduate Record Exam (GRE) is not required. We use coursework experience in the department to evaluate this aspect of the application. Students may transfer 6 units from the B.S. degree to the M.S. degree. Students must meet with an advisor prior to application to determine the 6 units that will be transferred. These units will continue to apply to the B.S. degree, which means the student will have 6 fewer units to complete the two degrees. Students can graduate in 5 years with both a B.S. and M.S. degree, if they plan their program of study appropriately.

The MS Applied Geospatial Sciences degree plan is designed for students who want to pursue a career in understanding and managing land, community and environmental spatial systems, including geographic information systems (GIS), and remote sensing, and public planning and recreation. Both thesis and nonthesis plans are available. This nonthesis plan requires a professional applied paper that is overseen by your practicum committee. **The Geospatial Technologies Emphasis (nonthesis) is a Professional Science Master's (PSM) degree. For more information on PSM degrees, visit the website of the National Professional Science Master's Association.**

NAU is ideally situated for field studies and research in geography, planning and recreation. The Grand Canyon and five other national parks and the largest American Indian reservation in the U.S. are all within a day's drive of the campus. Department research facilities include a well-equipped GIS/ remote sensing lab and Geodesign studio. Our faculty members have a long-standing commitment to provide personalized attention to the needs of the individual student through close student-faculty interaction in a friendly, intellectually stimulating campus atmosphere.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system.

UNDERGRADUATE: For department information write the Administrative Associate. For university application materials write to Office of Admissions, NAU Box 4084, Flagstaff, Arizona 86011-4084.

GRADUATE: For the M.S. and GIS Certificate and Community Planning graduate certificate programs, a 3.0 GPA and undergraduate geography degree are preferred, but other majors can be accepted with course deficiencies. Teaching and research assistantships are available. Application forms must be submitted to both the NAU Graduate College and to the department. For additional information contact the Geography or GIS Program Coordinators at the department address, or visit the department website. Applications received in full by August 1st (for Fall semester admissions) and January 1st (for Spring semester admissions) will receive priority consideration for graduate assistantships.

FINANCIAL AID: Office of Student Financial Aid, NAU Box 4108, Flagstaff, Arizona 86011-4108 <http://nau.edu/finaid/>.

GEOGRAPHY AND PUBLIC PLANNING FACULTY:

R. Dawn Hawley, Ph.D., Arizona State, 1994, Professor, Public Planning Program Coordinator — public land policy, economic geography, urban geography, GIS, U.S.

Ruihong 'Ray' Huang, Ph.D., Wisconsin-Milwaukee, 2003, Associate Professor — GIS, spatial Statistics, urban transportation planning, land use planning, geomorphology

Alan A. Lew, Ph.D., Oregon, 1986, AICP, Professor — urban planning, tourism, East and Southeast Asia

Mark Manone, MA, Northern Arizona University, Associate Professor of Practice — GIS

Thomas W. Paradis, Ph.D., Illinois, 1997, Chair, Professor — cultural and historical geography, rural and urban development, tourism, historic preservation, cartography, U.S. and world geography

Erik Schiefer, Ph.D., University of British Columbia, Canada, 2004, Assistant Professor — Physical Geography, GIS, and Geomorphology

Amanda Stan, Ph.D., University of British Columbia, Canada, 2008, Lecturer — Physical Geography, Weather and Climate, Global analysis

PARKS AND RECREATION MANAGEMENT FACULTY:

Aaron Divine, M.S., Northern Arizona University 2005, Lecturer, Outdoor Leadership Program — Outdoor Leadership, NOLS, Kathleen C.

Mark Maciha, Ph.D., Northern Arizona University 2014, Assistant Professor, Park Ranger Training Program Director — Park protection I and II, wildland recreation, natural resources protection

Pamela Foti, Ph.D., Wisconsin, 1988, Professor — wildland recreation and expeditions, outdoor recreation research and policy, impact analysis, park and recreation agencies

Charles Hammersley, Ph.D., New Mexico, 1988, Professor, Parks and Recreation Management Program Coordinator — community and commercial recreation, outdoor leadership, event planning, recreation facility development and administration

Judith Montoya, M.A., New Mexico, 1985, Principal Lecturer — community and commercial recreation, recreation program planning, inclusive recreation, camp counseling

Rosanna "Marieke" Taney, M.S., Northern Arizona University 2006, Lecturer — River rafting and outdoor education specialties

John Lynch, MA, Northern Arizona University 2011, Lecturer — Introduction to parks and recreation management, wilderness within, outdoor leadership I and II

EMERITUS FACULTY:

Robert O. Clark, Ph.D., Denver, 1970 — Geomorphology, climatology, meteorology, arid lands, cartography, world geography, Anglo-America

Carolyn M. Daugherty, Ph.D., Arizona State, 1987, Associate Professor — rural and small town planning, site planning, environmental resource planning

Leland R. Dexter, Ph.D., Colorado-Boulder, 1986, Professor, GIS Programs Coordinator — computer cartography, geomorphology, climate, GIS, remote sensing, field techniques

Christina B. Kennedy, Ph.D., Arizona, 1989, Professor — landscape studies, environmental perception, geography of film, resource management, environmental studies

Stanley W. Swarts, Ph.D., UCLA, 1975 — cartography, climate geomorphology, American Southwest, and lands

Graydon Lennis Berlin, Ph.D., Tennessee, 1970, Regents Professor — remote sensing, arid lands, geomorphology, natural hazards

George A. Van Otten, Ph.D., Oregon State, 1977 — cultural, economic, land use planning, geographic education, Native Americans

ADJUNCT AND AFFILIATED FACULTY

Patrick Chavez, Ph.D., USGS, Research Associate — remote sensing, GIS

Neil Gullickson, B.B.A., B.S. Northern Arizona, 1992, Associate Planner, City of Flagstaff, Instructor — physical planning, urban design, zoning, planning practice

William Ring, J.D., Arizona, Instructor — land use law, zoning and planning, regulatory approvals

Kim William Watson, B.S., Ohio State, Supervisory Park Ranger, National Park Service, Instructor — Land and Environmental Planning, Long Range Planning, Resource Protection, Visitor Management and Education

A new kind of science program at Northern Arizona University offers students a way to thrive in the growing global economy.

NAU's first Professional Science Master's degree — the master's in applied geospatial sciences — provides students a direct path to

industry, government or non-profit careers. "Professional Science Master's degrees prepare students for work in a variety of cutting-edge fields and yield a highly marketable degree and competitive salary after only two years of postgraduate study." Professional Science Master's degrees supply advanced training in sciences, technology and mathematics while developing practical workplace skills such as business fundamentals and project management. These interdisciplinary degrees also may include training in intellectual property law, technology transfer, regulatory affairs, information technology, product marketing, leadership, entrepreneurship and communication. The Professional Science Master's degree is a professional rather than a research degree. A master's degree in many natural science fields traditionally is a steppingstone to a doctorate rather than an end in itself. The master's in applied geospatial sciences has become the first degree program at NAU to be approved for affiliation as a PSM program by the Council of Graduate Schools. See <http://nau.edu/SBS/GPR/Degrees-Programs/MS-Applied-Geospatial-Sciences/> for information on NAU's master's in applied geospatial sciences.

PIMA COMMUNITY COLLEGE

PHYSICAL & GEOLOGICAL SCIENCES DEPARTMENT

DEGREES OFFERED: A.A or A.S. for transfer to four-year colleges and universities

HEAD OF GEOGRAPHY: Michael Talbot

FOR FURTHER INFORMATION WRITE TO: Michael Talbot
Pima Community College West Campus 2202 W. Anklam Rd.
Tucson, AZ 85709 Telephone: (520) 206-6031 Email:
mtalbot@pima.edu. Internet: www.pima.edu

COURSES OFFERED: Introduction to Physical Geography: Weather & Climate, Introduction to Physical Geography: Landforms & Oceans, Introduction to Cultural Geography, Introduction to Geographic Information Systems (GIS), Introduction to Medical Geography, Mapping Concepts, Computer Cartography and CAD, Independent Studies in Geography.

MATRICULATION AGREEMENT WITH FOUR-YEAR UNIVERSITIES: PCC Geography courses matriculate to all state colleges and universities.

FACULTY:

Michael Talbot, M.A., Geography, Western Michigan University, 1994

ADJUNCT FACULTY:

John Reynolds M.A., Geophysics, Indiana University, 1978

UNIVERSITY OF ARIZONA

SCHOOL OF GEOGRAPHY AND DEVELOPMENT DATE FOUNDED: 1961

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: B.A., B.S., M.A., M.S., M.S.GIST, M.D.P., Ph.D.

GRANTED 7/1/13-6/30/14: 52 Bachelors, 3 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 264 Majors, 22 Masters, 44 Ph.D.

INTERIM DIRECTOR: Connie Woodhouse

ASSOCIATE DIRECTOR: Christopher Lukinbeal

FOR FURTHER INFORMATION: Visit the School's website at www.geography.arizona.edu. If you have further questions email the Undergraduate and Graduate Program Coordinator, Elizabeth S. Cordova, at elizabec@email.arizona.edu. Main contact information: School of Geography and Development, Harvill Building, POB 210076, University of Arizona, Tucson, Arizona 85721. Telephone (520) 621-1652. Fax (520) 621-2889.

PROGRAMS AND RESEARCH FACILITIES: Undergraduate: The School offers a B.A. and B.S. in Geography, a B.S. in Regional Development, and a B.A. in Environmental Studies. Emphases in the B.A. and B.S. in Geography include physical and environmental, human, and techniques. For the B.S. in Regional Development, a business minor is strongly recommended. Internships, paid or unpaid, are arranged by the School with local governmental agencies or private sector employers. Graduate: Fields of specialization for the M.A. and Ph.D. degrees include: Critical Human Geography, Human-Environment Relations, Physical Geography, Regional Development, Water Resources and Policy, Climate and Paleoclimate and Methodology and Technology. The School also offers a one-year, professional M.S. in GIS. The School participates, with other programs, in offering a Graduate Certificate in GI Science and a Graduate Certificate in Water Policy. The School supports a wide range of methodological approaches, including critical methods, GIS, qualitative methods, remote sensing, spatial econometrics, and web-based decision support systems. Strong alliances are maintained with other departments, interdisciplinary programs, and research centers stressing the social and environmental sciences. Many affiliated faculty are actively involved in teaching and graduate training, including serving as primary advisors. For complete information, go to: www.geography.arizona.edu.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. GRE scores required for admission. Assistantships with competitive stipends and remission of tuition and health insurance are available to qualified applicants. Applications for admissions and assistantships should be complete by January 1.

FACULTY:

Keiron Bailey, Ph.D., Kentucky, 2002, Associate Professor — participatory geographic information science; geovisualization; east Asia/western Pacific, commercial aviation, structured public involvement

Jeffrey M. Banister, Ph.D., University of Arizona, 2010, Assistant Research Social Scientist and Assistant Research Professor, Southwest Center and School of Geography and Development — political and cultural geography, Latin America, environment, Mexico

Greg Barron-Gafford, Ph.D., 2010, Assistant Professor — biogeography, environment, leaf biochemistry, ecosystems, climate change, ecology, forest ecology

- Carl J. Bauer, Ph.D., UC Berkeley, 1995, Associate Professor and Director of Graduate Studies — comparative and international water law, policy, and political economy; geography, law, and property; Latin America, Western USA, Spain
- Stephanie Buechler, Ph.D., Binghamton University, 2001, Lecturer and Research Associate — sustainable urban development, gender and the environment, climate change and adaptation in urban and rural areas, water scarcity and community adaptation and international development, U.S., Mexico, Latin America, South Asia
- Gary L. Christopherson, Ph.D., Arizona, 2000, Associate Professor of Practice and Director of the Center for Applied Spatial Analysis — geographic information systems, archaeology, wildfire, urbanization
- Andrew C. Comrie, Ph.D., Pennsylvania State, 1992, Professor and Senior Vice President for Academic Affairs and Provost — climate variability, synoptic climatology, climate applications in air quality, health, and environment
- Sandy Dall'Erba, Ph.D., University of Pau, 2004, Associate Professor — economic geography, growth, regional economic development policies, spatial econometrics
- Wayne Robert Decker, Ph.D., Johns Hopkins University 1979 — ICT, science-technology innovation and social entrepreneurship as development strategies; universities as catalysts for development in Africa
- Vincent Del Casino Jr., Ph.D., University of Kentucky 2000, Professor and Associate Dean College of Social and Behavioral Sciences — human geography, social and cultural geography, health, geographic thought and history, sexuality studies and health politics in Southeast Asia and Long Beach, CA.
- Sapana Doshi, Ph.D., UC Berkeley 2011, Assistant Professor — critical development studies, urban geography, cities of the Global South, feminist geography, cultural politics, social movements, ethnography, Mumbai
- John Paul Jones III, Ph.D., Ohio State, 1984, Professor and Dean — social and cultural theory, history of geographic thought, critical human geography, research methodology and techniques
- Diana M. Liverman, Ph.D., UCLA, 1984, Regents Professor, Geography and Co-Director, UA Institute of the Environment — human dimensions of global environmental change, climate impacts, adaptation and policy, political ecology, Latin America
- Christopher Lukinbeal, Ph.D., San Diego State/University of California, Santa Barbara, 2000, Assistant Professor and Director of MS in GIST — cultural geography, media and cinema, GIScience
- Stuart E. Marsh, Ph.D., Stanford, 1979, Professor, Geography and School of Natural Resources and the Environment, Chair Arid Lands Resource Sciences Interdisciplinary Ph.D. Program, Director, Arizona Remote Sensing Center — environmental remote sensing, land-use land cover change, computer applications
- Sallie A. Marston, Ph.D., Colorado, 1986, Professor — political, cultural, social theory and feminist geography
- Beth A. Mitchneck, Ph.D., Columbia, 1990, Professor — migration, displacement, governance, Russia, Caucasus
- Elizabeth A. Oglesby, Ph.D., University of California, Berkeley, 2000, Associate Professor and Chair of the Undergraduate Committee — critical development, political economy, ethnography, human rights and post-conflict issues, Latin America
- Tracey Osborne, Ph.D., University of California, Berkeley, 2010, Assistant Professor — social dimensions of climate change mitigation, agrarian studies, political ecology, Mexico, Latin America and the Caribbean.
- Iris Patten, Ph.D., University of Florida, Gainesville, 2014, Professor of Practice and Program Director, Online Masters of Science in Geographic Information Systems
- David A. Plane, Ph.D., Pennsylvania, 1981, Professor — migration, population, transportation, and regional science
- Dereka Rushbrook, Ph.D., Arizona, 2005, Lecturer and Director of Undergraduate Studies — development, Latin America, social theory/social justice
- Christopher Scott, Ph.D., Cornell, 1998, Professor — water management and policy, climate and water variability, urban water demand, water reuse, energy-water nexus, groundwater; Southwest U.S., Mexico, South Asia
- Daoqin Tong, Ph.D., Ohio State, 2007, Associate Professor — location modeling, spatial optimization, GIS, transportation and remote sensing
- Willem van Leeuwen, Ph.D., Arizona, 1995, Associate Professor, Geography and School of Natural Resources and Environment — landscape ecology, dryland environments, biogeography, remote sensing, field methods
- Marv Waterstone, Ph.D., Rutgers, 1982, Associate Professor — social theory, Marxism, social justice, geographic thought, risk and society
- Margaret O. Wilder, Ph.D., Arizona, 2002, Associate Professor, Geography and Latin American Studies, and Environmental Policy — political ecology of water and environment in Mexico, climate-related vulnerability and adaptation in U.S.-Mexico border, development and Latin America
- Connie Woodhouse, Ph.D., University of Arizona, 1996, Professor — paleoclimatology, dendrochronology, climate variability, water resources, western U.S.
- Stephen R. Yool, Ph.D., UC-Santa Barbara, 1985, Professor — physical geography, remote sensing, computer cartography, GIS
- EMERITI FACULTY:**
- D. Robert Altschul, Ph.D., Illinois
- Lay James Gibson, Ph.D., UCLA
- Janice J. Monk, Ph.D., Illinois
- Gordon Mulligan, Ph.D., British Columbia
- Leland R. Pederson, Ph.D., UC, Berkeley
- Richard W. Reeves, Ph.D., UCLA
- Thomas F. Saarinen, Ph.D., Chicago
- AFFILIATED FACULTY:**
- Bonnie G. Colby, Ph.D., Wisconsin, 1983, Professor, Agriculture and Resource Economics — water, public lands, energy and environmental economics
- Benedict Colombi, Ph.D., Washington State University, 2007, Professor — American Indian Studies
- Gregg Garfin, Ph.D., Arizona, 1998, Director of Science Translation and Outreach, Institute of the Environment — climate change, adaptation, climate impacts, drought, outreach, US-Mexico
- Katherine K. Hirschboeck, Ph.D., Arizona, 1985, Associate Professor, Laboratory of Tree-Ring Research — hydroclimatology, hydrology, synoptic climatology, climate variability, dendroclimatology
- Vance T. Holliday, Ph.D., Colorado, 1982, Professor of Anthropology and Geosciences — geoarchaeology, Paleoindian archaeology, soil-geomorphology, Quaternary landscape evolution, Great Plains and the Southwest
- Laura E. Huntoon, Ph.D., University of Pennsylvania, 1991, Associate Professor, Planning Degree Program — urban and regional planning
- Charles F. Hutchinson, Ph.D., UC, Riverside, 1978, Professor, Arid Lands Studies — remote sensing, physical, arid lands
- Kathy Jacobs, Ph.D., University of California, Berkeley, 1981, Professor and Director of Arizona Water Institute — climate adaptation, water management issues, water sustainability, water policy, connecting science and decision-making, stakeholder engagement and drought planning
- Miranda Joseph, Ph.D., Stanford, 1995, Associate Professor, Gender and Women's Studies — Marxist theory, poststructuralist theory, queer theory, feminist theory, cultural studies

Sharon B. Megdal, Ph.D., Princeton, 1981, Professor, Dept. of Agriculture and Resource Economics and Department of Soil, Water and Environmental Science — water policy and management, public policy

Gary P. Nabhan, Ph.D., Arizona, 1983, Research Social Scientist, Southwest Center and School of Geography and Development — food geography, political ecology, sustainable agriculture and fisheries, biodiversity conservation, ethno botany, conservation sociology/reconciliation ecology, local food systems

Jon Pelletier, Ph.D., Cornell, 1997, Associate Professor, Geosciences — landscape processes, fluvial and aeolian geomorphology

Edella Schlager, Ph.D., Indiana University, 1990, Professor and Director of PhD Studies — comparative institutional analysis, common pool resource theory, water law/policy/politics in the western US

Paul R. Sheppard, Ph.D., Arizona, 1995, Associate Professor, Laboratory of Tree-Ring Research — dendrochemistry, environmental monitoring with tree rings, dendrogeomorphology, image analysis of tree rings

Thomas W. Swetnam, Ph.D., Arizona, 1987, Professor, School of Renewable Natural Resources and Ecology and Evolutionary Biology, Director of Laboratory of Tree Ring Research — disturbance ecology, paleoclimatology, biogeography

Marshall A. Worden, M.A., Chicago

CALIFORNIA

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

DEPARTMENT OF GEOGRAPHY AND ANTHROPOLOGY

DATE FOUNDED: 1973

DEGREES OFFERED: B.S.

GRANTED 9/1/12-8/31/13: 25 Bachelors

MAJORS: 60

CHAIR: Lin Wu

**GEOGRAPHY PROGRAM COORDINATOR: Sara
Garver**

DEPARTMENT ADMINISTRATIVE ASST: Ruth Burton

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography and Anthropology, California State Polytechnic University, 3801 W. Temple Ave., Pomona, California 91768. Telephone (909) 869-3569. Fax (909) 869-3586.

E-mail: ddwills@csupomona.edu.

Web: <http://www.class.csupomona.edu/ga/>

PROGRAMS AND RESEARCH FACILITIES: Geography is in the Department of Geography and Anthropology at Cal Poly Pomona. There are three undergraduate major option programs in geography in the department: Geographic Information Systems, Environmental Geography, and Geography. The core of the B.S. program emphasizes the cutting edge of technical and applied perspectives of the discipline balanced by a wide range of physical, human, and regional geography courses. The program is supported by department, college, and University level computer labs with various platforms and Slate of the art hardware and software. Faculty and students are increasingly involved in GIS and applied research and contract work and contributing extensively to the College and University's effort to become a GIS literate campus.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The quarter system is used. Cal Poly Pomona offers a variety of financial aid programs through the Financial Aid office. The department also offers Scholarships for geography and other majors in the department. For further information, contact the department office.

FACULTY:

Kristen Conway-Gomez, Ph.D., University of Florida, 2004, Associate Professor — Latin America, biogeography, human geography, geographic information systems, natural resource conservation

Sara A. Garver, Ph.D., UC-Santa Barbara, 1997, Professor — physical geography, cartography, geographic information systems, remote sensing & digital image processing, California

Michael Reibel, Ph.D., UCLA, 1997, Professor — urban, economic, ethnic geography, demography, business and demographic applications in GIS

Lin Wu, Ph.D., UCLA, 1995, Professor — climatology, geographic information systems, environmental modeling, cartography, physical geography, California, Asia

Terence G. Young, Ph.D., UCLA, 1991, Professor — environmental, historical, designed landscapes, recreation, travel, North America

ADJUNCT FACULTY:

Richard S. Hyslop, J.D., Ph.D., UC Riverside, 1990, Professor emeritus/lecturer — legal, hazards, and emergency management, environmental law, California, US Canada

Nurudeen Alao, Ph.D., Northwestern University, 1970 — cultural, physical, California

Richard R. Burley, Ph.D., UC-Riverside, 1996 — physical, cultural, California

Matthew V. Ebner, M.A., UCLA, 1986 — cultural, physical, California, Latin America, Asia, Africa, Europe

Conrad Nicoll, M.A., Cal State Fullerton, 2003 — cultural, physical, California

Marshall, Jeanne, M.A., Cal State Fullerton, 1998 — cultural, California

Stephen H Sandlin, Ph.D., UC-Riverside, 1997 — cultural, physical, world regional, California

CALIFORNIA STATE UNIVERSITY, CHICO

DEPARTMENT OF GEOGRAPHY AND PLANNING DATE FOUNDED: 1964

GRADUATE PROGRAM FOUNDED: 1970

DEGREES OFFERED: B.A. in Geography with options in Human Geography and Planning and Physical and Environmental Geography; M.A. Environmental Policy and Planning

CERTIFICATES OFFERED: Certificate in GIS Technology; Certificate in Rural and Town Planning

MINORS OFFERED: Environmental Studies;

Geography; Rural and Town Planning

DUAL DEGREES OFFERED: Geography and Economics; Geography and History

GRANTED 9/1/12 - 8/31/13: 33 Bachelors, 5 Masters

STUDENTS IN RESIDENCE: 70 Majors, 15 Masters

CHAIR: Dean H.K. Fairbanks

ADMINISTRATIVE ASST: Paula Norton

FOR FURTHER INFORMATION CONTACT: Department of Geography and Planning, California State University, Chico, California 95929-0425 or telephone (530) 898-5285 or refer to

<http://www.csuchico.edu/geop/>. For information on graduate studies, please contact the graduate advisor, Dr. Don Hankins, at dhankins@csuchico.edu.

PROGRAMS AND RESEARCH FACILITIES: The 45-unit B.A. Program provides breadth in a 21-unit core, including emphasis on writing, research, and map measurement and GIS skills. The other 24 units are chosen from two options: Human Geography and Planning, and Physical and Environmental Geography. The department also offers two 21-unit certificates in Geographic Information Systems Technology and Rural and Town Planning. Geography and Planning houses a minor in Environmental Studies. Geography and Planning in collaboration also houses two formal double majors: Geography and Economics and Geography and History.

The 30-unit Master of Arts in Environmental Policy and Planning is intended to broaden the training of, and to prepare, qualified students for: (1) employment in public service and the private sector where an advanced degree is desirable, (2) public school and community college teaching in geography and social science, and (3) advanced academic work preparatory to the doctorate at other institutions. In particular, it stresses practical field experience and training in land use, environmental planning and development in urban and rural areas. Field studies in the region and internships with local government and private agencies are important elements of the program. The mountain and valley counties and towns of the University's Northern California service region are an excellent laboratory for both the Master of Arts and the undergraduate options in planning.

The department offers comprehensive facilities and equipment for study in geography and planning. These include an extensive collection of maps, imagery, and technical field equipment; a physical geography laboratory; a multi-purpose GIS, cartography, remote sensing and statistical analysis computer laboratory; a multi-media outfitted group project geography lounge; access to University ecological preserves; and an outdoor classroom for restoration ecology in the Butte Creek preserve.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University academic calendar consists of fall and spring semesters and summer session. Applicants wishing to pursue a master's degree must have an acceptable baccalaureate degree with an undergraduate grade point average of at least 3.0 in the last sixty semester units and a grade point average of at least 3.0 in all post-baccalaureate graduate level coursework taken. Also required for admission are two letters of recommendation, writing samples, and Statement of Purpose.

Student interns are hired for CSU Chico Foundation Geographical Information Center and Center for Economic Development contract projects, at city, county, state, and federal agencies, and in non-profit organizations. Graduate student teaching assistantships are also available. Awards and employment are made on a competitive basis. Equal opportunity Affirmative Action students are particularly encouraged to apply.

FACULTY:

Scott Brady, Ph.D., Louisiana State University, 1996, Professor — cultural geography, geographic education, Mexico & Central America,
Jacquelyn R. Chase, Ph.D., UCLA, 1993, Professor — rural planning & development, gender, urban-rural relations, economic geography, Latin America
Dean H.K. Fairbanks, Ph.D., University of Pretoria, South Africa, 2001, Professor — Landscape ecology, biogeography, GIS, environmental planning, remote sensing
Don L. Hankins, Ph.D., UC Davis, 2005, Associate Professor — fire ecology and management, water resources, geographic field methods, indigenous peoples geography

Guy Q. King, Ph.D., University of Utah, 1982, Professor — geomorphology, physical geography, geographical techniques & field methods, North America

LaDona G. Knigge, Ph.D., SUNY-Buffalo, 2006, Associate Professor — urban geography, community planning, qualitative research, critical GIS

Paul Z. Melcon, Ph.D., University of Wisconsin-Madison, 1979, Associate Professor — physical geography, computer applications, remote sensing

Eugenie Rovai, Ph.D., Clark University, 1991, Professor — hazards, water resources, spatial visualization

Noriyuki Sato, Ph.D., Indiana University, 2007, Associate Professor — climatology, climate change, transportation, quantitative methods, remote sensing

Mark Stemen, Ph.D., University of Iowa, 1999, Associate Professor — environmental studies, environmental education, historical geography

ADJUNCT:

Owen Bettis, M.A., CSU, Chico, 2012

James Clafin, M.A., University of Texas, 1986

Pam Figge, M.A., CSU, Chico, 1993

Steven Herman, M.A., University of North Carolina, 1982

Robert Pierce, M.A., CSU, Chico, 2003

Steven Stewart, M.A., CSU, Chico, 1996

Claudia Stuart, M.L.A., UC Berkeley, 1992

EMERITI:

Bruce E. Bechtol, Ph.D., Oregon, 1969, Professor

Richard L. Haiman, Ph.D., UCLA, 1973, Professor

Donald G. Holtgrieve, Ph.D., Oregon, 1973, Professor

Edward L. Myles, Ph.D., Michigan State, 1973, Professor

Susan Place, Ph.D., UCLA, 1991, Professor

Jerry R. Williams, Ph.D., Florida, 1969, Professor

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1960

GRADUATE PROGRAM FOUNDED: 1960

DEGREES OFFERED: B.A., M.A.

GRANTED 2012-2013: 32 Bachelors, 28 Masters

STUDENTS IN RESIDENCE: 101 Majors, 71 Masters

CHAIR: Edward Jackiewicz

DEPARTMENT ADMINISTRATIVE COOR: Judith Gomez

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Edward Jackiewicz, Chair, California State University, Northridge, Northridge, California 91330-8249. Telephone (818) 677-3532. Fax (818) 677-2723. E-mail: geography@csun.edu. Internet: www.csun.edu/csbs/departments/geography/index.html

PROGRAMS AND RESEARCH FACILITIES: The geography degree program allows for flexibility in course selection while providing a solid background in human, environmental, and physical aspects of the discipline. The major features a strong technical component based on applications of geographic information systems (GIS), cartography and remote sensing, along with training in geographical analysis and data presentation. The department offers a certificate in GIS. The MA is offered with two options: standard program or GIS specialization. Department research facilities include GIS cartographic laboratories, fourteen weather stations throughout California, environmental and physical monitoring equipment available for student research, Sanborn map library (depository for

maps of cities west of the Mississippi River-145,000 plates), and a research map library (400,000 flat maps, 5,000 air photographs).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Admission to graduate program with a cumulative undergraduate GPA of at least 3.0, or an acceptable GRE score and a GPA of at least 2.75 in the last 60 units attempted.

FACULTY:

Soheil Boroushaki, Ph.D., UWU, 2010 Assistant Professor — GIS
Multi-criteria decision analysis, location theory and analysis, spatial decision support systems
Helen M. Cox, Ph.D., UCLA, 1998, Professor — meteorology, climatology, remote sensing
James W. Craine, Ph.D., SDSU, 2006, Associate Professor — media geography, cultural geography, geo-visualization
Shawna J. Dark, Ph.D., UCLA, 2003, Professor — GIS, applied biogeography, environmental
Ronald A. Davidson, Ph.D., UCLA, 2003, Associate Professor — public space, teacher education, narrative and geography, regional geography
Mario Giraldo, Ph.D., Georgia 2007, Assistant Professor — Sustainability, biogeography, GIS, remote sensing applications, mountain agriculture, water resources
Steven M. Graves, Ph.D., Illinois, 1999, Professor — pop culture, social, urban/economic, geography education
Edward L. Jackiewicz, Ph.D., Indiana, 1998 Professor — third world development, Latin America and the Caribbean, urban
Julie E. Laity, Ph.D., UCLA, 1982, Professor — climatology, geomorphology
Regan M. Maas, Ph.D., UCLA, 2010, Assistant Professor — Health/Medical Geography, Spatial Demography, Urban Geography, GIS
Amalie Jo Orme, Ph.D., UCLA, 1983, Professor — coastal and fluvial geomorphology, Quaternary studies
Yifei Sun, Ph.D., SUNY at Buffalo, 2000, Professor — GIS, urban/economic, spatial statistics, China

EMERITI FACULTY:

James P. Allen, Ph.D., Syracuse, 1970, Professor — cultural, social population, Anglo-America
Warren R. Bland, Ph.D., Indiana, 1970, Professor — economic, transportation, manufacturing, Canada
William A. Bowen, Ph.D., Berkeley, 1972, Professor — historical, physical, California, computer cartography
Robert Gohstand, Ph.D., UC, Berkeley, 1973, Professor — Soviet Union, cartography
David Hornbeck, Jr., Ph.D., Nebraska, 1974, Professor — historical, Southwest U.S., California, economic, applied geography
Robert B. Howard, Ph.D., UCLA, 1974, Professor — geomorphology
Antonia Hussey, Ph.D., Hawaii, 1986, Professor — Southeast Asia, economic development, China, tourism
Phillip S. Kane, Ph.D., UC, Berkeley, 1975, Professor — geomorphology
Gong-Yuh Lin, Ph.D., Hawaii, 1974, Professor — meteorology, climatology
C. Gary Lobb, Ph.D., UC, Berkeley, 1970, Professor — cultural, tropical ecology, Latin America
Elliot G. McIntire, Ph.D., Oregon, 1968, Professor — cultural, conservation, biogeography
Eugene J. Turner, Ph.D., Washington, 1977, Professor — cartography, computer applications, GIS
Ralph D. Vicerio, Ph.D., Wisconsin, 1968, Professor — historical Anglo-America
I-Show Wang, Ph.D., Minnesota, 1971, Professor — population, East Asia

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1954

DEGREE OFFERED: B.A.

GRANTED 8/22/12-5/30/13: 38 Bachelors

MAJORS: 104

CHAIR: Robin Datel

DEPARTMENT ADMINISTRATIVE SUPPORT

COORDINATOR: Crystal Little

FOR CATALOG AND FURTHER INFORMATION, WRITE

TO: Department of Geography, California State University, Sacramento, 6000 J Street, Sacramento, California 95819-6003. Telephone (916) 278-6109, Fax (916) 278-7584. E-mail: datel@csus.edu. Internet: <http://www.csus.edu/geog/>

PROGRAMS AND RESEARCH FACILITIES: The department offers the major with concentrations in physical geography, human geography, GIS and analysis, and metropolitan area planning. Through lab and field courses, students become well acquainted with each other and with the faculty. Internships, principally with public agencies, provide an excellent opportunity for interested majors to expand their training to the work place. Location in Sacramento provides field courses access to a great range of resources in physical, urban, and rural geography. Students have opportunities to work closely with faculty on field-, lab-, and archival-based research, including senior capstone projects. Facilities include computer labs to support GIS, cartography, and remote sensing, and a paleoecology lab. The University Library houses an extensive collection of books, atlases, maps, and journals in support of geography.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. Application for admission to the program is made to the Admissions Office of the University. Departmental and university-wide scholarships, grants, and student aid are available.

FACULTY:

Robin E. Datel, Ph.D., Minnesota, 1983, Professor — urban, historical, Europe, geographic thought, geographic education
Marsha J. Dillon, Ph.D., UC, Berkeley, 1976, Professor — cultural, California, U.S. and Canada, California's water resources, political
Bruce Gervais, Ph.D., UCLA, 2001, Associate Professor — physical geography, paleoclimatology, biogeography
Thomas S. Krabacher, Ph.D., UC, Davis, 1990, Professor — climate, economic, Third World development, human ecology, Africa, geographic thought
Miles R. Roberts, Ph.D., University of South Carolina, 1990, Professor — GIS, remote sensing, cartography, spatial statistics, perception of environment
Michael Schmandt, Ph.D., Arizona State University, 1995, Professor — urban geography, urban planning, field methods, urban landscapes, cultural geography, GIS
Mathew C. Schmidlein, Ph.D., University of South Carolina, 2008, Assistant Professor — hazards and vulnerability, GIScience
James Wanket, Ph.D., UC, Berkeley, 2002, Associate Professor — physical, biogeography, Quaternary studies, field methods

EMERITUS FACULTY:

Michael D. Fitzwater, Ph.D., UC, Davis, 1981, Professor — physical, meteorology, plant ecology, soil science, air pollution meteorology/climatology

Robert M. Phillips, Jr., Ph.D., UCLA, 1974, Professor — physical, suburban/rural field study, food and hunger, agriculture, Africa, Southeast Asia, human impact on global ecosystems
Tim S. Hallinan, M.A., UC, Berkeley, 1969, Professor — cultural, Latin America, urban/urban field study, landscape, population, geography of religions
Robert T. Richardson, Ph.D., Oregon, 1973, Professor — physical, climate, geomorphology, map and air photo interpretation, cartography, remote sensing, GIS

CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

DATE FOUNDED: 1971

DEGREE OFFERED: Geography: B.A.; Environmental Studies: B.A.

GRANTED: 9/1/12-6/20/13: Geography: 14 Bachelors; Environmental Studies: 15 Bachelors

MAJORS: Geography: 25 Environmental Studies: 71

CHAIR: Norman Meek

DEPARTMENT ADMINISTRATIVE SUPPORT

COORDINATOR: Patricia Massei

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Professor Norman Meek, Department of Geography and Environmental Studies, California State University, San Bernardino, 5500 University Parkway, San Bernardino, California 92407-2397. Telephone (909) 537-5519. Fax (909) 537-7645. E-mail: pmassei@csusb.edu or nmeek@csusb.edu Internet: www.geog.csusb.edu.

PROGRAMS AND RESEARCH FACILITIES: The department offers geography majors a broad undergraduate background that integrates physical and human topics while providing choice flexibility within these categories. The geography major has two options; general geography and global studies. For global studies, a major would learn about the characteristics and consequences of globalization from an international perspective. The department also administers an interdisciplinary Environmental Studies major program and certificate program in Geographic Information Systems. Internships with local public and private agencies are encouraged, as are independent studies. Graduates typically find employment within southern California in public and private planning firms, California Department of Transportation, U.S. Forest Service, as well as attending graduate school. All faculty members maintain active research programs that include development of geographic information systems, planning issues such as water resources or affordable housing, and other spatial research.

The Geography Department maintains Cartography, GIS, and Spatial Analysis Lab with 25 computers with 21" displays, two servers, color laser printers, an XGA projection system, and the entire suite of ESRI products. The 100 MBLAN has a 1 GB backbone connection to the core and an OC-3 connection to the Internet. We also have 30 handheld GPS receivers, an RTK-grade GPS receiver, a laser rangefinder with internal compass and clinometer, and 10 ruggedized field computer with PenMap software. The lab is funded by a variety of grants and cooperative agreements, including some from the National Science Foundation, the Federal Geographic Data Committee, the EPA, and the USDA. The lab serves as a data repository for the CSUSB Water Resources Institute and the San Bernardino Regional Data Clearinghouse.

FACULTY:

Andrew Bodman, Ph.D., The Ohio State University, 1978, Provost and Vice President for Academic Affairs — economic geography
Brett Goforth, Ph.D., UC, Riverside, 2009, Assistant Professor — biogeography, weather & climate, map interpretation
Kevin Grisham, Ph.D., UC, Riverside, 2009, Assistant Professor — Model United Nations and Model Arab League programs
Jeffrey D. Hackel, Ph.D., UC, Riverside, 1988, Professor Emeritus — conservation and resources, Africa, biogeography, geographic research methods
Rajrani Kalra, Ph.D., Kent State University, 2007, Associate Professor — urban information systems, urban and economic geography, geospatial techniques, South Asia, globalization and developing countries
Michal Kohout, Ph.D., Clark University, Associate Professor — United States-Mexico borderlands, labor standards, Europe
Theodore R. McDowell, Ph.D., Oregon State, 1980, Professor Emeritus — water resources, climate, conservation, remote sensing, natural hazards
Norman Meek, Ph.D., UCLA, 1990, Professor — geomorphology, military geography, Quaternary studies, climate change
James L. Mulvihill, Ph.D., Michigan State, 1976, Professor Emeritus — urban planning, urban, economic, Latin America
Richard H. Rowland, Ph.D. Columbia, 1971, Professor Emeritus — former and post-Soviet Union, population, California
Bo Xu, Ph.D., University of Georgia at Athens, 2008, Associate Professor — GIS, remote sensing
Jenny Zorn, PhD, Ohio State, 1990, Professor and Associate Provost — population, urban, gender, and geographic education

CALIFORNIA STATE UNIVERSITY, STANISLAUS

DEPARTMENT OF ANTHROPOLOGY, GEOGRAPHY & ETHNIC STUDIES

DEGREES OFFERED: B.A. in Geography

MAJORS: 51 Geography

MINORS: 12 Geography

DEGREES GRANTED: 21 BA

DEPARTMENT CHAIR: Sari Miller-Antonio

ADMINISTRATIVE COOR: Susan Helm-Lauber

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Department of Geography, California State University, Stanislaus, One University Circle, Turlock, California 95382. Telephone (209) 667-3127. Fax (209) 667-3324 E-mail: JHelzer@csustan.edu. Internet: www.csustan.edu/geography/

PROGRAMS AND FACILITIES: The program offers students a broad education in Geography and the opportunity to work in some exciting projects and laboratories including the GIS Lab and the Bio-Ag Center (an outdoor lab for environmental planning, sustainable techniques and permaculture). We provide a unique opportunity to study abroad, as well as service learning opportunities and internships that engage students with local communities. The Department strongly supports and encourages field and international educational experiences.

ACADEMIC PLAN AND ADMISSION REQUIREMENTS: The department offers a major and minor in Geography. Geography majors select a concentration in the major from the following options: 1) Cultural/Social Geography, 2) Physical Geography/Environmental Studies, 3) Geospatial Technology, 4) Globalization & Development and 5) California Studies. The department also offers concentrations for Liberal Studies and Social Science majors and a minor in Environmental and Resource Studies. A major goal of the department

is to provide students with meaningful knowledge of the world's cultures and its physical settings as well as to understand the interactions that result. Majors are expected to take various human, physical, regional, methodology, field and technique courses to fulfill the requirements for the major.

FACULTY:

Augustine Avwumudiogba, Ph.D., Univ of Texas, Austin, 2011 —
Fluvial Geomorphology, GIS, Remote Mexico, West Africa
Peggy Hauselt, Ph.D., UC Davis, 2007, Assistant Professor —
Environmental, Agricultural, Biogeography, GIS
Jennifer Helzer, Ph.D., Univ of Texas, Austin, 1998, Professor —
Cultural, Historical, Urban, North America, Europe, California

ADJUNCT FACULTY:

Richard Eigenheer, Ph.D., UC Davis, 1976 — Historical, Cultural,
US/Canada, California
Chuck Bowen, M.A., Univ of Georgia, 1967 — Weather &
Climatology, Environmental Science, Latin America
Alison McNally, ABD, UC Davis, Assistant Professor —
Environmental, Agricultural, Biogeography, GIS

EMERITI FACULTY:

Melvin H. Aamodt, Ph.D. Indiana U, 1968
Ida Bowers, Ph.D. Univ of Hawaii, 1973
Eric Karlstrom, Ph.D., Calgary, 1981,
Leon S. Pitman, Ph.D. Louisiana State U, 1973

COSUMNES RIVER COLLEGE

**DEPARTMENT OF SCIENCE, MATH &
ENGINEERING**

DATE FOUNDED: 1970

**DEGREES OFFERED: A.S. in Geography, A.S. in
Environmental Studies & Sustainability, GIS
Certificate**

**GRANTED (8/15/10 to 05/30/11): 3 A.S. Degrees, 1 GIS
Certificate**

MAJORS: approx. 15

HEAD: Debra A. Sharkey

DEPARTMENT ADMINISTRATIVE ASST: Cindy Petty

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO:** Cosumnes River College, Department of Geography, 8401
Center Parkway, Sacramento, CA 95823-5799, (916-691-7210),
www.crc.losrios.edu.

PROGRAMS: Cosumnes River College offers 13 lower division
courses in Geography including field study courses to Yosemite
National Park, the Eastern Sierra and the California coast. In addition,
the program offers two transferable A.S. degrees (Geography and
Environmental Studies) and a professional GIS certificate.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Semester system. Any person 18 years or older
can apply to Cosumnes River College for admission. Financial aid is
available.

FACULTY:

Scott Crosier, M.A., UC Santa Barbara, Professor — Geographic
Information Systems (GIS), Physical Geography, Geography of
California, Field Studies
*Richard Davis, M.A., San Francisco State University, Adjunct
Professor* — Physical Geography, World Regional Geography
John Rusmore, Ph.D., UC Davis, Adjunct Professor — Physical
Geography

Debra Sharkey, M.A., UC Davis, Professor — Cultural Geography,
Physical Geography, Environmental Studies, Field Studies,
Weather and Climate, World Regional Geography

PALOMAR COLLEGE

**DEPARTMENT OF EARTH, SPACE, AND AVIATION
SCIENCES**

DATE FOUNDED: 1946

**DEGREES OFFERED: A.A. Geography, A.A. Geographic
Information Systems, Certificate of Achievement,
Certificate of Proficiency**

CHAIR: Catherine M. Jain, MA.

**DEPARTMENT ADMINISTRATIVE ASSISTANT:
Brenda Morris**

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO:** Ms. Brenda Morris, Academic Department Assistant, Department
of Earth, Space, and Aviation Sciences, Palomar College, 1140 West
Mission Road, San Marcos, CA, 92069. Telephone (760) 744-1150
ext. 2512. E-Mail: bmmorris@palomar.edu. Internet:
<http://www.palomar.edu/earthscience/>.

PROGRAMS AND RESEARCH FACILITIES: Program includes
the study of (1) physical geography, (2) human geography, (3)
meteorology, (4) environmental hazards, (5) geography of California,
(6) geographic information science, and (7) remote sensing. Students
may participate in regional field studies courses or direct study
courses in order to concentrate in his/her chosen field and program
area.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Semester System. Financial Aid: Federal and
state programs available.

FACULTY:

Wing H. Cheung, MPA, MS, Indiana University-Bloomington, 2007,
Associate Professor — human geography, GIS, remote sensing
Catherine M. Jain, MA, San Diego State University, 2000, Professor
— physical geography, meteorology
Douglas B. Key, MA, San Diego State University, 1979, Professor —
physical geography, natural hazards

SAN DIEGO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1914

GRADUATE PROGRAM FOUNDED: 1956

**GRANTED 05/31/09-05/31/10: 56 Bachelors, 9 Masters, 5
Ph.D.**

**STUDENTS IN RESIDENCE: 150 Majors, 26 Masters, 26
Ph.D.**

CHAIR: Piotr Jankowski

DEPARTMENT COORDINATOR: Patricia O'Leary

FOR FURTHER INFORMATION WRITE TO: Diana
Richardson, Undergraduate Advisor, Allison Bailund, Graduate
Program Coordinator, Dr. Allen Hope, Master's Program Advisor, or
Dr. Fernando Bosco, Ph.D. Program Advisor, Department of
Geography, San Diego State University, San Diego, California 92182-
4493. Telephone (619) 594-5437. Fax (619) 594-4938. E-mail:
abailund@mail.sdsu.edu. Internet: geography.sdsu.edu.

PROGRAMS AND RESEARCH FACILITIES: The Department faculty is dedicated to quality teaching and scholarly research. Graduate and undergraduate students interact closely with faculty.

DOCTORAL: A Ph.D. program in geography is offered jointly with the University of California, Santa Barbara. The program offers work in the following systematic areas with supporting development of skills in spatial techniques as follows: (A) Systematic Areas: (1) Human Geography: Comparative urban structure; economic geography; social and critical theory; social and political geography; urban cultural geography; urban and regional modeling. (2) Environmental Geography: Society and environment; watershed/ecosystem analysis. (3) Physical Geography: Biogeography; climatology; hydrology and geomorphology. (B) Spatial Analytical Techniques: Remote sensing and image processing; geographic information systems; cartography and internet mapping; big data analytics, geostatistics, geocomputation and spatial modeling; spatial quantitative and qualitative methods.

MASTERS: A flexible curriculum complemented by careful advising permits the department to design a program tailored to the professional goals of each master's candidate. Students benefit from a long tradition of close faculty-student contact. The main emphases of the master's program are the systematic areas and spatial techniques listed above in the doctoral section. Graduate student internships are available. A general M.A. degree and an M.S in Geographic Information Science or Watershed Science are both offered.

UNDERGRADUATE: The undergraduate major offers two B.A. degrees, and a B.S. degree. The B.A. degree in Applied Arts and Sciences is offered with emphasis in Foundations of Geography. The B.A. degree in Liberal Arts and Sciences consists of emphases in (a) Environment and Society, (b) Human Geography and Global Studies, (c) Integrative Geography, and (d) Methods of Geographic Analysis. The B.S. degree in Applied Arts and Sciences consists of emphases in (a) Environmental and Physical Geography, and (b) Geographic information Science. The Internship Program provides opportunities for students to apply their geographic training in business, planning, and resource management situations.

GEOGRAPHIC INFORMATION SCIENCE CERTIFICATE: The certificate offers flexible program of 9 courses distributed between the departments of Geography and Computer Science. The program emphasis is on computational skills and data analytics.

FACILITIES AND EQUIPMENT: In addition to well-equipped classrooms and lecture halls, the Department has spatial processing, cartographic, qualitative methods, remote sensing/GIS, and physical geography laboratories, as well as field and photogrammetric equipment. The Center for Interdisciplinary Studies of Youth and Space (ISYS) offers qualitative and applied research opportunities for faculty and students interested in children, youth, families and communities. SDSU operates three field stations in San Diego and Riverside counties. The Center for Earth Systems Analysis Research (CESAR), the Department's specialized laboratory facility, has spatial data processing capabilities including 10 Sun workstations and servers, 55 Dell workstations and servers, 10 Apple MacPros, E-size plotters and printers, and IP/GIS/mapping software (ERDAS, ENVI, ArcGIS, ArcView, IDRISI, Overwatch Feature Analyst, Definiens and BAE Systems). The UC San Diego supercomputer center is readily accessible. Extensive field equipment includes survey and mapping quality GPS units, spectral radiometer, field spectrometers and two high-resolution airborne digital imaging systems. In addition, Love Library has a collection of over 150,000 flat maps and more than 1,000 atlases.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

DOCTORAL: This program is administered jointly by the Departments of Geography at SDSU and UCSB. Normally, the student will spend the first year at SDSU, the second at UCSB, and subsequent years at

SDSU. Although there is no specified number of units, students with a master's degree in geography can expect to complete a minimum of 45 semester units (75 quarter units). Satisfactory completion of a dissertation consisting of original research of publishable quality is required. Research and teaching associateships are available on a competitive basis. Deadline for application form, statement of purpose, three letters of reference, transcripts, and GRE scores is December 15. Undergraduate GPA of at least 3.25, a graduate GPA above 3.50, and a combined (verbal and quantitative) GRE score of at least 307 (new scale) or 1100 (old scale) is expected. Both verbal and quantitative scores should exceed the 50th percentile.

MASTERS: The Master's program requires 30 semester units of coursework including the submission and defense of a thesis. Assistantships are available for qualified students on a competitive basis; deadline for applications, three letters of reference, transcripts and GRE scores is December 15. Semester system. Minimum graduate admission standards include a GPA of 3.0 on last 60 semester units of undergraduate credit, and a combined (verbal and quantitative) GRE score of at least 300 (new scale) or 1000 (old scale).

UNDERGRADUATE: For admission requirements, refer to the University General Catalog.

FACULTY:

Edward Aguado, Ph.D., Wisconsin, 1983, Professor — climatology, meteorology, physical
Stuart C. Aitken, Ph.D., Western Ontario, 1985, Professor and The June Burnett Chair in Children's and Family Geographies — urban, gender, film, children, qualitative methods
Li An, Ph.D., Michigan State, 2003, Professor — landscape ecology, human-environment interactions, modeling of complex systems, statistics, GIS
Trent Biggs, Ph.D., UC Santa Barbara, 2003, Associate Professor — landuse effects on hydrology, watershed science, regional biogeochemistry, physical geography
Fernando Bosco, Ph.D., Ohio State University, 2002, Professor — urban, social movements and collective action, social and cultural theory, economic
George Christakos, Ph.D., Harvard, 1990, Professor, and The Stephen and Mary Birch Foundation Endowed Chair in Geographical Studies — statistics, geostatistics, environmental/ecological/health and mathematical modeling
Anne-Marie Debbané, Ph.D. York University, Canada, 2010, Assistant Professor — political ecology/economy, urban nature and social justice, water governance and development, geographies of socio-environmental change in South Africa
Kathleen A. Farley, Ph.D., Colorado, 2002, Associate Professor — environmental science and policy, land use change, ecosystem processes and services, physical geography
Allen S. Hope, Ph.D., Maryland, 1986, Professor — remote sensing, hydrology, climatology
Piotr Jankowski, Ph.D., Washington, 1989, Professor & Chair — GIScience, spatial decision support systems, participatory planning and Web GIS, visual analytics
Pascale Joassart, Ph.D., University of Southern California, 1999, Associate Professor — Economic geography, urban geography, public policy
Arielle Levine, Ph.D., UC Berkeley, 2006, Assistant Professor — coastal and marine spatial planning, community involvement in natural resource conservation and management, participatory mapping, institutional dynamics in international conservation and development
John F. O'Leary, Ph.D., UCLA, 1984, Professor — biogeography, physical, environmental analysis
Atsushi Nara, Ph.D., Arizona State University, 2011, Assistant Professor — GIScience, spatio-temporal data mining and knowledge discovery, modeling behavioral geography and social dynamics, geocomputation tool development

André Skupin, Ph.D., SUNY at Buffalo, 1998, Professor — GIScience, cartography, information visualization, visual data mining
Douglas A. Stow, Ph.D., UC, Santa Barbara, 1985, Professor — remote sensing, environmental monitoring, landscape ecology
Kate Swanson, Ph.D., U. of Toronto, 2005, Associate Professor — youth identities and childhood, labor migration, indigenous peoples, urban, Latin America
Ming-Hsiang Tsou, Colorado, 2001, Professor — GIScience, Internet-based GIS applications, distributed computing, intelligent agents, user interface design

EMERITI FACULTY:

Barbara E. Fredrich, Ph.D., UCLA, 1975
Arthur Getis, Ph.D., Washington, 1961
Ernst C. Griffin, Ph.D., Michigan State, 1972
Warren A. Johnson, Ph.D., University of Michigan, 1969
David S. McArthur, Ph.D., Louisiana State, 1969
Elmer A. Keen, Ph.D. Washington, 1967
Philip R. Pryde, Ph.D., Washington, 1969
Imre E. Quastler, Kansas, 1971
Frederick P. Stutz, Ph.D., Michigan State, 1970
John R. Weeks, Ph.D., UC, Berkeley, 1972
Richard D. Wright, Ph.D., Kansas, 1967

SAN FRANCISCO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ENVIRONMENT

DATE FOUNDED: 1937

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., M.A., M.S.

GRANTED 9/1/12-8/31/13: 45 Bachelors, 13 Masters

STUDENTS IN RESIDENCE: 129 Majors, 48 Masters

NOT IN RESIDENCE: 15 Masters

CHAIR: Jerry Davis

DEPARTMENT OFFICE COORDINATOR: Erica Thomas

FOR FURTHER INFORMATION WRITE TO: Nancy Wilkinson, Graduate Coordinator, Department of Geography & Environment, San Francisco State University, 1600 Holloway Avenue, San Francisco, California 94132. Telephone (415) 338-2049. Fax (415) 338-6243. E-mail: nancyw@sfsu.edu. Internet: <http://geog.sfsu.edu/>.

PROGRAMS AND RESEARCH FACILITIES: The M.A. program prepares students for careers as environmental or technical professionals working in public agencies, consulting firms or nonprofits, or for careers in academic geography. Opportunities for specialization include geographic techniques, physical geography, land use planning and human geography. A Masters Concentration in Resource Management and Environmental Planning prepares individuals for careers in environmental management, planning, monitoring and advocacy. The MS in GIScience program prepares graduate students for advanced careers in a wide range of geospatial information research and applications, including geographic information systems (GIS), remote sensing, global positioning systems (GPS), and spatial statistics. Departmental facilities include a geographic analysis teaching laboratory, GIS/Remote Sensing lab, environmental science lab, physical geography lab, map library; funded research projects are supported by the Institute for Geographic Information Science. SFSU is the California State University GIS Specialty Center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester system. The major program includes four core courses; a distribution requirement of one course each in physical, human, regional and techniques/applied geography; and 3-4 upper courses in a focus of interest, or a total of 37-40 units.

GRADUATE: Semester system. Minimum of 30 units of work in geography including 5 graduate seminars (M.A.) or 2 graduate seminars and 3-4 graduate GIScience courses (M.S.), and a Masters thesis or research project. A minimum of 3-4 semesters needed for completion of coursework. Admission requirements include a GPA of 3.25 or better in last 60 units, GRE scores, Statement of Purpose and two letters of recommendation, and a B.A. or 15 undergraduate semester units in geography (or a related field for the M.S.). A student may be admitted to the program conditionally, pending completion of undergraduate prerequisite coursework with appropriate grades.

FACULTY:

Jennifer Blecha, Ph.D., Minnesota, 2007, Assistant Professor — urban ecology, food systems and sustainable agriculture, urban agriculture, gender, animals
Leonhard Blesius, Ph.D., Iowa, 2002, Associate Professor — remote sensing of the environment, landslide susceptibility analysis, geomorphological hazards
Tendai Chitewere, Ph.D., Binghamton (SUNY), 2006, Associate Professor — environmental anthropology, sustainable communities, green consumerism, water resources, agriculture
Jerry D. Davis, Ph.D., Georgia, 1987, Professor — geomorphology, soils, GISci, field methods, watershed science & modeling
Courtney Donovan, Ph.D., Washington, 2008, Assistant Professor — medical geography, women's health, immigrant health, international health, gender
Qian Guo, Ph.D., Tennessee, 1996, Associate Professor — regional geography, cultural geography, China
Jason Henderson, Ph.D., Georgia, 2002, Associate Professor — land use planning, transportation
Ellen Hines, Ph.D., Victoria, 2002, Professor — GISci, endangered marine species, marine resources
Barbara A. Holzman, Ph.D., UC Berkeley, 1993, Professor — biogeography, resource management, environmental studies, vegetation change
XiaoHang Liu, Ph.D., UC Santa Barbara, 2003, Associate Professor — GISci, remote sensing, spatial analysis, urban and environmental modeling
Leora Nanus, Ph.D., Colorado, 2008, Assistant Professor — hydrology, watershed biogeochemistry, water quality, environmental science, GIS
Andrew J. Oliphant, Ph.D., University of Canterbury, 2000, Professor — micrometeorology, boundary layer meteorology, applied climatology
Nancy Lee Wilkinson, Ph.D., Oregon, 1984, Professor — water resources, environmental perception, environmental history

EMERITUS FACULTY:

Roger J. Crawford, Ph.D., Washington, 1969
Patricia Foschi, Ph.D., Oxford, 1993
Larry Foster, Ph.D., Michigan State, 1962
Max C. Kirkeberg, M.A., Wisconsin, 1959
Hans J. Meihoefer, Ph.D., Washington, 1968
John E. Westfall, Ph.D., George Washington, 1969

SAN JOAQUIN DELTA COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

DEGREES OFFERED: AA and AS

MAJORS: none

HEAD: Robin R. Lyons

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Admissions and Records, San Joaquin Delta College, 5151 Pacific Avenue, Stockton, California, 95207.

FACULTY:

Robin R. Lyons

UNIVERSITY OF CALIFORNIA, BERKELEY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1898

GRADUATE PROGRAM FOUNDED: 1908

DEGREES OFFERED: A.B., Ph.D.

GRANTED 9/1/12-8/31/13: 65 Bachelors, 7 Ph.D.

STUDENTS IN RESIDENCE: 107 Majors, 51 Ph.D.

NOT IN RESIDENCE: 5 Ph.D.

CHAIR: Nathan F. Sayre

DEPARTMENT MANAGER: Natalia Vonnegut

FOR INFORMATION AND ADMISSIONS: For general information, contact Deborah Gray. Telephone (510) 642-3903. E-mail: degray@berkeley.edu. For the undergraduate and graduate handbook and admissions information, contact Marjorie Ensor, Student Academic Advisor. Telephone (510) 642-3904. E-mail: ensor@berkeley.edu. Mail address: Department of Geography, 507 McCone Hall, University of California, Berkeley, CA 94720-4740. Fax: (510) 642-3370. For more information about the University of California, Berkeley go to: <http://bulletin.berkeley.edu/> Extensive information on the Department can be found at: <http://geography.berkeley.edu/>

PROGRAMS AND RESEARCH FACILITIES: Berkeley Geography offers the highest quality graduate training for future scholars and teachers at the collegiate level, as well as for those going into professional careers in government, NGOs and consulting. The program is unified by a common interest in landscapes, spatial processes, and contemporary problems of foremost importance. The program has three major subdivisions: Development & Environment, Local & Global Relations, and Earth System Science. Within these domains a wide range of faculty interests are represented, including political ecology, economic geography, cultural geography, modernity studies, urban studies, geography of race and gender, climatology, biogeography, biogeochemistry, glaciology, and geomorphology. Faculty come with a broad spectrum of regional specialties as well, including Africa, East Asia, Europe, Latin America, the Arctic, the Pacific Basin, California, Mexico, and Central America. The faculty has been expanded in recent years to include a number of affiliates in other departments with expertise in such fields as GIS, natural resources, fluvial geomorphology, archeology, cognition, paleo-environments, and urban architecture.

Berkeley students are expected to be independent, and we welcome those who have had professional experience and wish to return to deepen their education. Students are encouraged to range freely through the curriculum and to follow their inspiration where it leads, working in tandem with faculty advisors. Students choose their own

mentors, often conferring with two or three faculty in equal measure; these may include faculty affiliates and members from other departments. While faculty have their own research agendas and teaching specialties, and often collaborate with students, we believe students should march to their own drummer. We expect students to read extensively, develop the necessary research skills, and produce a well-crafted dissertation. Many students publish their findings along the way, as well.

The University of California at Berkeley is the premier graduate research and education institution in the United States, and Geography students can take advantage of a wealth of corollary programs and faculty. Geographers regularly interact with faculty and students from the College of Natural Resources, College of Environmental Design, Energy and Resources Group, Earth and Planetary Science, Biological Sciences, Departments of Anthropology, Sociology, Economics, Women's Studies and Ethnic Studies in the Division of Social Sciences, and with Art History, English and others of the Humanities. The campus is rich with interdisciplinary Centers and Institutes, including International Studies, Latin American Studies, Labor Studies, Atmospheric Sciences, Southeast and East Asian Studies, Humanities, and European Studies. Collaboration with the Lawrence Laboratories is also common. Geographers direct several of these centers and students benefit from research programs, grants and symposia organized under their aegis. Geographers also provide core teaching in Development Studies, Environmental Sciences, and American Studies.

Geography is housed in McCone Hall, near the lively North Gate of campus. The Earth Sciences and Map Library is downstairs. Across the glade is the Main Library, center of the system housing 11 million volumes, and the exceptional Bancroft Library, the greatest archive of materials on Western and Central America. The Department facilities include classrooms, offices for faculty, and graduate students, research laboratories, and cartography/GIS and remote sensing teaching labs. Central to our operations is the Department Computer Facility, one of the best of its kind on campus and a hub of everyday faculty, staff and student operations. Its main lab, specializing in graphics, cartography, and GIS, includes scanners, digitizer, and color printers, backed up by a Web Server, extensive software library, and the campus TCP-IP network. The Department staff provides excellent support in all areas, including student services, grants, equipment, computing and cartography.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

GRADUATE: Admissions (Ph.D.): Students are admitted to the University of California by the Graduate Division, on the recommendation of the Department. The prospective graduate student submits the Graduate Application for Admission and Fellowship on-line (obtain application electronically at: http://www.grad.berkeley.edu/admissions/grad_app.shtml). The following are submitted to the on-line application: statement of purpose; personal history essay; official transcript, with a Grade Point Average (GPA) of at least a B (3.0) in the last two years of college work; scores from the Graduate Record Examination (GRE) General Test; scores from an official TOEFL report (required of international applicants from countries whose official language is not English); and three letters of academic appraisal. Application deadline is December 1 for Admissions and Fellowships. Admission is for Fall only. The GRE should be taken in October prior to the application deadline.

Ph.D. Degree Requirements: All students take GEOG 200A/B in their first year and register for at least 12 units per semester (primarily graduate seminars) for a minimum of two years before taking the Qualifying Examination and advancing to candidacy. By the end of the third year, students entering with a B.A. or B.S. only must hand in a paper that would be suitable for submission to an academic or scientific journal. All students must take the Qualifying Exam by the end of the third year, although it is recommended that students

entering with an M.A. take it by the end of their second year. Before starting dissertation research, each student must have an approved Dissertation Prospectus. The Ph.D. dissertation is written by the student under the supervision of a committee of three members of the University faculty.

Financial Aid: Outstanding applicants are nominated for University Fellowships of various kinds, which top candidates are normally offered. The department also offers financial support in the form of Graduate Student Instructorships and internal fellowships from Block Grants and endowments (the Carl Sauer, the Holway, Kenneth and Florence Oberholtzer, McCone, and the Society of Woman Geographers).

UNDERGRADUATE: Admission: The Berkeley campus is on a semester calendar, with the Fall semester beginning in late August. The application filing period for the Fall semester, for both freshman and transfer applicants, is the month of November; applications must be postmarked no later than November 30. The UC application for admission to the fall term is available in early October. You may submit an application electronically at: www.universityofcalifornia.edu/apply or you may print the form for mailing from the same site. Online completion of the application is encouraged.

Degree Requirements: Geography majors must take three lower division courses, and at least eight upper division courses. Of the latter, there are two options: majors complete five courses in one specialty group and two in the other, plus one methodology course; or majors complete four courses in one specialty group and two in the other, plus two methodology courses. The two specialty areas are Earth System Science and Economy, Culture & Society.

The Department offers a Minor that requires a minimum of five upper division courses. Students must maintain an overall grade point average of 2.0 for all courses taken for the minor. A minimum of three courses must be taken on the Berkeley campus. Students must take at least one course in the physical area and one course in the human area from amongst the courses listed in the range of 109-175. Students may select courses in the range of 181-188, but if so there are several that have limited enrollment and require permission of the instructor.

FACULTY:

- Roger Byrne, Ph.D., Wisconsin, 1972, Associate Professor* — historical biogeography, vegetation history, pollen analysis, prehistoric agriculture
- Jeffrey Q. Chambers, Ph.D., UC Santa Barbara, Associate Professor* — terrestrial ecosystem ecology and biogeography, tropical forests and climate change interactions, landscape dynamics and remote sensing
- John C.H. Chiang, Ph.D., Columbia University, 2001, Associate Professor* — tropical ocean-atmospheric dynamics, seasonal and longer-term climate variability, paleoclimate dynamics
- Kurt M. Cuffey, Ph.D., University of Washington, 1999, Professor* — the paleoclimate record in ice sheets, the dynamics of glaciers and ice sheets, glacial landforms, physical and chemical transformations of polar snowpacks, drainage basin processes
- Paul Groth, Ph.D., UC Berkeley, 1983, Professor* — urban life and urban form, cultural landscape studies, the United States, and the history of ordinary urban architecture
- Gillian P. Hart, Ph.D., Cornell, 1978, Professor* — development studies, rural and regional development, labor markets and employment, gender studies
- You-tien Hsing, Ph.D., University of California, Berkeley, 1993, Professor* — economic restructuring and local states in post-Mao China, the work of overseas Chinese capital networks, technology development in Asia's newly industrialized economies, Asia
- Michael Johns, Ph.D., Johns Hopkins, 1990, Professor* — the culture of cities, cities of the Americas, Latin America

- Jake Kosek, Ph.D., UC Berkeley, 2002, Assistant Professor* — cultural politics of nature and difference, science and technology studies, critical race theory, ethics, biopolitics, human and the non-human environmental politics
- Laurel G. Larsen, Ph.D., University of Colorado, 2008, Assistant Professor* — hydroecology, landscape dynamics, complex environmental systems, environmental restoration
- Beatriz Manz, Ph.D., SUNY Buffalo, 1977, Professor* — Central and Latin America, human and political geography, population migration
- David O'Sullivan, Ph.D., University of London, 2000, Associate Professor* — Spatial modelling, complex theory, geocomputation, applying GIS tools to the urban environment
- Robert Rhew, Ph.D., UC San Diego, Scripps Institution of Oceanography, 2001, Associate Professor* — terrestrial-atmosphere exchange of trace gases, atmospheric chemistry and composition, halogen biogeochemistry, stratospheric ozone depletion issues
- Nathan F. Sayre, Ph.D., Chicago, 1999, Associate Professor* — human-environment interactions, ranching and pastoralism, rangeland ecology and management, scale, endangered species, environmental history, urbanization/land use change
- Harley Shaiken, B.A., Wayne State, 1977, Professor* — industrialization, work organization and global production, Latin America
- Michael J. Watts, Ph.D., Michigan, 1979, Professor* — Third World economic development, Africa, peasant economy, political economy, U.S. agriculture, Islam

ADJUNCT FACULTY:

- Norman L. Miller, Ph.D., Wisconsin, 1987* — regional climate and hydrology, climate change impacts
- David Wahl, Ph.D., UC Berkeley, 2005* — Central America, Western US, Pacific Islands

AFFILIATED FACULTY:

- William Dietrich, Ph.D., University of Washington, 1982, Professor of Earth and Planetary Science* — hillslope and fluvial geomorphology
- Louise Fortmann, Ph.D., Cornell, 1973, Professor of Environmental Science, Policy and Management* — property, poverty, gender, community natural resource management, U.S. and southern Africa
- Peng Gong, Ph.D., University of Waterloo, 1990, Professor of Environmental Science, Policy, and Management* — remote sensing image processing, analysis and applications, GIS theory, techniques and application
- B. Lynn Ingram, Ph.D., Stanford, 1992, Professor of Earth and Planetary Science* — paleoclimatology, paleoenvironmental reconstruction, isotope geochemistry, paleoceanography and marine stratigraphy
- Patrick V. Kirch, Ph.D., Yale, 1975, Professor of Anthropology* — prehistory and ethnography of Oceania, ethnoarchaeology and settlement archaeology, prehistoric agricultural systems, cultural ecology and paleoenvironmentalism, ethnobotany and ethnohistory, development of complex societies in Oceania
- G. Mathias Kondolf, Ph.D., Johns Hopkins, 1988, Professor of Environmental Planning* — applied geomorphology and hydrology, environmental planning
- John D. Radke, Ph.D., British Columbia, 1983, Associate Professor of Landscape Architecture and Environmental Planning* — GIS, spatial systems for regional environmental planning, metrics for landscape characterization, spatial interaction models

EMERITI FACULTY:

- Orman Granger, Ph.D., Toronto, 1974*
- Peter Hall, Ph.D., Cambridge, 1959*
- Theodore M. Oberlander, Ph.D., Syracuse, 1963*
- Robert R. Reed, Ph.D., UC, Berkeley, 1972*
- David R. Stoddart, Ph.D., Cambridge, 1964*

UNIVERSITY OF CALIFORNIA, DAVIS

GRADUATE GROUP IN GEOGRAPHY

DATE FOUNDED: 1955

REORGANIZED AS GRADUATE GROUP: 1994

DEGREES OFFERED: M.A., Ph.D.

GRANTED 7/1/12-6/30/13: 6 Masters, 10 Ph.D.

STUDENTS IN RESIDENCE: 50

NOT IN RESIDENCE: 8

CHAIR: Chris Benner

PROGRAM COORDINATOR: Carrie Armstrong-Ruport

GRADUATE ADVISORS: Ryan Galt - Nature and

Society; Robert Hijmans - Environmental Sciences;

James Quinn - Methods, Models and GIS; and Chris

Benner - People, Place and Region

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Carrie Armstrong-Ruport, Geography Graduate Group, Department of Human Ecology, One Shields Avenue, University of California, Davis, California, 95616. Telephone (530) 752-4119. E-mail: caruport@ucdavis.edu. Internet: <http://geography.ucdavis.edu/>.

PROGRAMS AND RESEARCH FACILITIES: Graduate degrees in Geography are offered through the Graduate Group in Geography (hereafter GGG), which is an interdepartmental group with faculty from the Colleges of Agricultural and Environmental Sciences, Biological Sciences, Engineering, Letters and Science, and the Schools of Medicine and Veterinary Medicine. With over 60 geography affiliated faculty members in 20 departments across campus, in terms of the number and diversity of affiliated faculty, we are among the nation's largest geography program. The graduate group structure emphasizes shared research interests amongst faculty and students, with the flexibility to grow and quickly change to reflect emerging areas of interdisciplinary knowledge and technology. The overall focus of the program is on the natural and built environment, building on the strengths of the campus faculty.

Faculty interests in the GGG are diverse and attract students in such areas as biophysical geography and related natural science and engineering fields, as well as human geography and related social science fields. A number of faculty use and teach GIS, remote sensing, modeling, spatial analysis, and related geographical techniques, and the faculty have a strong field orientation as well. The instructional program focuses on several areas of emphasis where faculty expertise and student interest are the greatest: environmental sciences; global environmental change; landscape architecture and environmental design; methods; models and GIS; nature and society; people, place and region; and regional and community development. GIS science is a cross-cutting area of strength for the group. Faculty and students conduct their research throughout the world, with particular strength in Latin America, Europe, the Middle East, Asia, and California and the Western United States.

Library materials are available on campus, in the State Library, and other state and federal agencies in Sacramento. The city of Sacramento, the state capital, lies 15 minutes east; San Francisco is 75 miles west. The city of Davis has a small-town friendliness and the park-like UC campus has a student body of 35,000. UC Davis is one of the nation's top research universities where more than 7,000 students are engaged in graduate or professional studies. The campus is near two major urban centers, within the agriculturally diverse Central Valley and in close proximity to the Pacific Ocean and the

Sierra Nevada, providing outstanding research opportunities at UC research and field stations.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The Geography Graduate Group offers the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) degrees. Normally, admission into the graduate program is for full-time status, and in Fall Quarter only. Applicants should be prepared in geography or a related field. Students must contact the faculty to identify a major professor during the admission process.

The minimum admission requirement is a grade point average of B (3.0 out of 4.0) in upper-division course work taken during the applicant's last two years as an undergraduate, or other evidence of comparable scholarship. The GRE General Test is also required. Test should have been taken within the past five years. The TOEFL iBT is required of all applicants whose native language is not English, or whose education was not in English. A minimum score of 80 is required. Complete online applications for both admission and financial aid must be received by January 2nd to the GGG for fellowship, block grants and out-of-state fee waivers.

To obtain materials visit the GGG website at <http://geography.ucdavis.edu>. Contact the GGG Program Coordinator, Department of Human Ecology, One Shields Avenue, University of California, Davis, CA 95616. Telephone: (530) 752-4119. E-mail: caruport@ucdavis.edu.

FACULTY:

Gwen Arnold — environmental policy; common-ground resource theory and management; bureaucratic decision-making in resource management; hydraulic fracturing (fracking); institutional analysis; social networks

Michael Barbour (Emeritus) — plant ecology, North-Centra-South America, Australia

Chris C. Benner — urban and economic geography, social implications of information technology, labor markets and restructuring of work, social movements and innovative labor/community organizing, regional development and social equity

Stephen Boucher — international agricultural development; Agricultural credit and insurance markets.

Cynthia Brantley (Emeritus) — African social history, gender in Africa, history of Africa nutrition, East Africa

Stephen Brush (Emeritus) — cultural ecology, eastern Mediterranean, North-Central-South America

Mary L. Cadenasso — crop and ecosystem sciences, horticultural sciences

Thomas A. Cahill (Emeritus) — atmospheric optics and haze, especially smoke from forest fires

Dave Campbell — public policy and community governance; citizenship and civic engagement; non-profit and faith-related organizations; program evaluation

Diana Davis — environmental history, veterinary history, colonialism, political economy, Middle East and North Africa, pastoral societies and arid lands

Adela de la Torre — HIV prevention in high risk groups in Mexico and Nigeria, binational/border health, immigration policy in the US and Latin America, health, education and income disparities in the US; gender, health and geography

Natalia Deeb-Sossa — Borderlands, in-betweenness and instability, sites of boundary-making and fragmentation, but also resistance and continual reconstruction.

Dennis Dingemans (Emeritus) — urban planning, North America, Europe

Deborah L. Elliott-Fisk (Emeritus) — Quaternary environments, coastal, mountain, and alpine, restoration, North America; biogeography, geomorphology and soils, viticultural geography

Joan Florsheim (Emeritus) — geomorphology, climate change, anthropogenic disturbances, and restoration

- Mark Francis (Emeritus)* — urban and community design, North America, Europe
- Isao Fujimoto (Emeritus)* — community change, Asian Studies
- Ryan E. Galt* — cultural and political ecology, agricultural and environmental governance, political economy of sustainable agriculture, cartographic design, the Americas
- Charles Goldman (Emeritus)* — conservation, restoration, geographic information systems (GIS), North America
- Steven Greco* — conservation, restoration, geographic information systems (GIS), North America
- James Grieshop (Emeritus)* — community development, North-Central America
- Louis Grivetti (Emeritus)* — nutritional geography, Africa, eastern Mediterranean, Southeast Asia
- Luis Guarnizo* — economic sociology, transnational migration, immigrant entrepreneurs, comparative international development, citizenship
- Joyce Gutstein (Emeritus)* — environmental geography, biodiversity, education
- Erin Hamilton* — Sociology, social demographics
- Susan L. Handy* — transportation and land use, travel behavior
- Lynette Hart* — companion animals, elephants, Africa, North America
- Robert Hijmans* — ecological modeling, geo-informatics, agricultural geography, biodiversity conservation, climate change
- Frank Hirtz* — law & development, development planning, social policy & welfare, Southern Africa, Southeast Asia
- Richard Howitt (Emeritus)* — Resource Economics, Environmental Economics, Quantitative Methods, Econometrics, Operations Research
- Suad Joseph* — women in development, Middle East
- Carl Keen* — teratology and birth defects, North America, Southeast Asia
- Martin Kenney* — Silicon Valley and regional development, Asian overseas investments, electronics industry
- Pete Klimley* — movements of fishes, sharks and marine mammals relative to their social and physical environments; ultrasonic, radio and satellite telemetry; mechanisms of orientation and migration
- Eric Larsen* — fluvial geomorphology, hydrology, watersheds, North America
- F. Thomas Ledig (Emeritus)* — evolution and biogeography, North America, Mexico, Australia, Mediterranean basin
- Frank Loge* — Design and function of sustainable urban system; landscape ecology related to fisheries management; ecologies of infectious diseases; interconnection between water and energy systems
- Jonathan London* — Environmental justice, rural community development, participatory action research, political ecology, Central Valley
- Jeff Loux* — environmental policy, community planning, land use planning, North America
- Mark Lubell* — environmental policy; community-based management; social networks, human cooperation; quantitative analysis
- Jay R. Lund* — resource management and planning, water resources, urban geography
- Dean MacCannell (Emeritus)* — semiotics, social policy and the environment, North America
- Greg McPherson* — urban forest ecology, benefit-cost analysis
- Jay Mechling (Emeritus)* — U.S., vernacular landscapes, food ways, animal/human relations
- Beth Middleton* — North America and Caribbean; Native American community/economic development; political ecology; Federal Indian law; Native American natural resource policy; qualitative GIS; indigenous geography and cartography; Afro-indigeneity; intergenerational trauma and healing; participatory research methods; rural environmental justice; multi cultural dimensions of conservation, land use, and planning
- Brett Milligan* — Designed and managed landscapes; urban geography; ecology of infrastructure; landscape modeling; representation and performance metrics; climate change adaptation; theory of accelerated landscape change
- Patricia L. Mokhtarian* — travel behavior modeling, telecommunication impacts, transportation and land use
- Jeffrey Mount* — fluvial geomorphology
- Peter Moyle* — fish biology, wildlife conservation, watershed ecology and nature/culture
- N. Claire Napawan* — Design of the built environment and investigating the roles in which landscapes might adapt to provide ever-increasing productive and infrastructural programs to the global city, given economic, social, and environmental changes within urban development, including population growth and climate change
- Bettina Ng'weno* — States and property in Latin America and Africa. The construction and mobilization of space with a focus on governance, categorization, citizenship, territory and movement. Social production of space and the stories and histories told about emplacement and the movement of ideas, people and things between Africa and Asia
- Debbie Niemeier* — transportation-air quality modeling and policy, sustainability, and environmental justice
- Lorence R. Oki* — environmental horticulture and water quality
- Patsy Eubanks Owens* — environments of children and adolescents, community participation
- Richard Plant (Emeritus)* — geographic information systems (GIS), China, Europe, North America
- James Quinn* — conservation biology, Gap Analysis, GIS
- Michael Rios* — political geography, urban design, community development
- Lynn Roller* — Classical landscapes and biophysical environment; Eastern Mediterranean
- Margaret Rucker* — clothing and environmental hazards, North America, China
- Hugh Safford* — Community and landscape ecology, fire ecology, restoration ecology and biogeography
- Heath Schenker (Emeritus)* — landscape history, Europe and South America
- Art Shapiro* — evolution, population dynamics, North-South America
- Sheryl-Ann Simpson* — urban, political, cultural and health geography, comparative social planning, critical GIS and spatial analysis, immigration and social/political participation
- Aaron Smith* — agriculture and resource economics, econometrics, finance
- Michael P. Smith (Emeritus)* — urban political economy and culture, globalization and transnationalism
- Daniel A. Sumner* — national and international agricultural policy, Pacific Rim
- Margaret Swain (Emeritus)* — sustainable development, tourism, China, Europe
- Julie Sze* — gender and the environment
- Kenneth Tate* — rangeland watershed specialist
- Robert L. Thayer, Jr. (Emeritus)* — environmental perception and sustainable landscape development, North America
- James Thorne* — international conservation, transportation, ecology
- Thomas P. Tomich* — agricultural sustainability, sustainable food systems, sustainability metrics and indicators, sustainability science; geography emphasis includes land use and land cover change
- Susan Ustin* — geographic information systems (GIS), remote sensing, North America
- Stefano Varese (Emeritus)* — indigenous people of Central and South America, environmental struggles
- Joshua H. Viers* — geographic information systems (GIS), landscape ecology, remote sensing
- M. Anne Visser* — Social inequality and equity, low wage and informal labor markets, socioeconomic integration and incorporation, public and urban policy

Charles Walker — historical geography, human geography, Latin America
Wesley W. Wallender — hydrological science and modeling, GIS
Geoffrey Wandesforde-Smith (Emeritus) — environmental policy, North-South America, Southeast Asia
Karen Watson — Geo-Anthropology, applied linguistics; quantitative and ethnographic methods; discourse analysis; rural development; ethnic identity; feminist research; Hawai'i, Solomon Islands, Pacific Islands, South and Southeast Asia, US Native and immigrant populations
Miriam J. Wells (Emeritus) — rural economic development, immigration, ethnicity, work and labor relations, the role of the state
Stephen M. Wheeler — sustainable development; urban design; city and regional planning; land use; climate change
Diane Wolf — women in development, Southeast Asia
Truman Young — plant population and community ecology, restoration, and conservation, Africa
Minghua Zhang — environmental modeling, GIS, risk analysis, agriculture, North America

UNIVERSITY OF CALIFORNIA, LOS ANGELES

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1915

GRADUATE PROGRAM FOUNDED: 1934

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED 7/1/12-6/30/13: 156 Bachelors, 4 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 379 Majors, 232 Minors, 55 Graduate Students

CHAIR: Laurence C. Smith

MANAGER: Kasi McMurray

FOR FURTHER INFORMATION WRITE TO: Graduate Adviser, Department of Geography, University of California, Box 951524, Los Angeles, California 90095-1524. Telephone (310) 825-1071. Fax (310) 206-5976. Internet: www.geog.ucla.edu.

PROGRAMS AND RESEARCH FACILITIES:

Producing geographers of the highest quality is the principal goal of UCLA's graduate program, designed primarily for students pursuing the Ph.D. degree. The M.A. Program serves as an essential building block of the doctoral program. The doctorate is awarded to those students who have achieved the level of geographical knowledge and training required of a professional geographer. The degree affirms the ability of its holders to make scholarly contributions in their fields of specialization and to undertake advanced research in those areas.

The research and teaching interests of the faculty cover major areas of geographical knowledge and underlie the graduate program. Broadly grouped these areas include biogeography, physical geography, environmental studies, human geography, regional geography, geographical procedures, and the history and philosophy of geography (see the faculty listing for specific specializations).

Many other distinguished departments in cognate disciplines contribute to the strength of the department. Strong area studies programs exist for Africa, Asia, Europe and Latin America. In addition to departmental faculty several other geographers teach in the Urban and Regional Planning Program.

UCLA provides an enormous range of resources for graduate training and research. The library system contains over five million volumes

and one of the largest collections of maps in the western United States.

In the department are laboratories for work in geomorphology, climatology, biogeography, GIS, computer cartography, and quantitative methods. The campus computing facilities include access to a 3090-mainframe system, a Sun cluster, and a LAN operated by Social Sciences Computing (SSC). The SSCnet provides a high level of connectivity, flexibility, power, and service to users (including full Internet access, on-line databases, and an array of software for word-processing, database and spreadsheet, graphic and cartographic, statistical and mathematical analysis. In Southern California and neighboring Mexico exist a seemingly infinite number of potential opportunities and sites for research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Admission: Application deadline for entrance in Fall 2015 is December 15, 2014. All admissions materials may be found on the web at www.gdnet.ucla.edu. All application materials must be submitted online: a personal statement, two copies of a complete set of transcripts of prior university coursework, official results of the Graduate Record Examination (GRE), and three letters of evaluation (academic references are strongly recommended). Foreign students applying from outside the United States are not required to take the GRE but must submit official Test of English as a Foreign Language (TOEFL) scores. Normally one should have (1) completed the undergraduate major in geography or in a cognate field, (2) received a B.A./B.S. degree, (3) attained at least a 3.3 grade-point average (GPA) in courses taken in your junior and senior years and in the major for admission to the M.A. program or a 3.5 GPA in graduate courses for students entering the Ph.D. program with a M.A., (4) attained a high GRE score (normally above 1200) in the combined verbal and quantitative sections, (5) strong letters evaluating past academic, and possibly professional, performance and potential for high achievement in graduate studies, and (6) for students applying to the Ph.D., evidence of substantive research in the form of a published paper, thesis chapter, or equivalent documentation..

In addition to the above requirements, admission to the M.A. or Ph.D. program requires that a faculty member from the department express a willingness to serve as interim advisor to the applicant. Students are therefore strongly advised to establish personal contact with potential advisors before application. For a list of faculty and their research interests, please visit www.geog.ucla.edu.

Geography normally admits applicants whose ultimate degree objective is Ph.D. although a M.A. degree may be earned en route to the Ph.D.

M.A. Degree Requirements: Students must complete six courses in addition to three core courses in the history and philosophy of geography and quantitative methods. A thesis is required, based in whole or in part on original investigation.

Ph.D. Degree Requirements: Six graduate geography courses (in addition to the three core courses if not already taken during the M.A.) are required. Written and oral qualifying examination precedes dissertation research. The dissertation is the ultimate focus of the Ph.D. program and should make an original contribution to geographic research.

Financial Assistance: The department has limited funding available for graduate students (e.g. teaching assistantships, stipends, tuition assistance and/or other fellowships).

FACULTY:

John A. Agnew, Ph.D., Ohio State, 1975, Professor — political, social, urban geography
Stephen Bell, Ph.D., Toronto, 1991, Associate Professor — historical and cultural geography, Latin America, geographic thought

Judith A. Carney, Ph.D., UC, Berkeley, 1986, Professor — cultural geography, environment and development in the Third World, gender issues, Africa

Daniela Cusack, Ph.D., UC, Berkeley, 2009, Assistant Professor — biogeography, tropical ecosystems and soils

Lisa Kim Davis, Ph.D., Johns Hopkins, 2005, Assistant Professor — human and urban geography, Korean studies

Jared M. Diamond, Ph.D., Cambridge, England, 1961, Professor — regulation of nutrient transport; integrative and evolutionary physiology, biogeography

Lieba Faier, Ph.D., UC Santa Cruz, 2003, Associate Professor — gender issues, global migration, Japan, Philippines and the United States

C. Cindy Fan, Ph.D., Ohio State, 1989, Professor — population geography, regional development, quantitative methods, spatial modeling, China

Thomas W. Gillespie, Ph.D., UCLA, 1998, Professor — biogeography, geographic information systems, remote sensing

Jamie Goodwin-White, Ph.D., University of Washington, 2005, Assistant Professor — population geography

Helga Leitner, Ph.D., Vienna, Austria, 1978, Professor — international migration, politics of immigration and citizenship, urban development & sustainability, global urbanism, urban social movements, and socio-spatial theory

Glen M. MacDonald, Ph.D., Toronto, 1984, Professor and The John Muir Memorial Chair — biogeography, paleoecology, paleoclimatology, fossil pollen and tree ring analysis, ecology and environmentalism

Adam Moore, Ph.D., Wisconsin-Madison, 2010, Assistant Professor — political geography

Gregory S. Okin, Ph.D., California Institute of Technology, 2001, Professor — physical geography and soils, geomorphology and remote sensing

Marilyn N. Raphael, Ph.D., Ohio State, 1990, Professor — physical, climatology, global climate change, cartography/geographic information systems

David L. Rigby, Ph.D., McMaster, 1988, Professor — economic geography, quantitative methods, regional development

Yongwei Sheng, Ph.D., UC Berkeley, 2000, Associate Professor — physical geography, GIS, remote sensing, photogrammetry and global change

Eric Sheppard, Ph.D., Toronto, 1976, Professor and The Alexander von Humboldt Chair — geographical political economy, uneven geographies of globalization, neoliberalism, urbanization in the global South, urban sustainability and environmental justice, and critical GIS

Michael E. Shin, Ph.D., Colorado, 1998, Associate Professor — political, applied GIS, quantitative, international relations

Laurence C. Smith, Ph.D., Cornell, 1996, Professor — hydrology, remote sensing and GIS

Yongkang Xue, Ph.D., Utah, 1994, Professor — climatology, remote sensing

AFFILIATED FACULTY:

Susanna B. Hecht, UCLA Planning
Thomas Painter, UCLA JIFRESSE, JPL
Edward W. Soja, UCLA Planning
Michael Storper, UCLA Planning

EMERITI FACULTY:

Charles F. Bennett, Ph.D.
William A.V. Clark, Ph.D.
Michael R. Curry, Ph.D.
Gary S. Dunbar, Ph.D.
J. Nicholas Entrikin, Ph.D.
Gerry Hale, Ph.D.
Howard J. Nelson, Ph.D.
Antony R. Orme, Ph.D.
Melissa Savage, Ph.D.
Allen J. Scott, Ph.D.

Werner H. Terjung, Ph.D.
Benjamin E. Thomas, Ph.D.
Norman J.W. Thrower, Ph.D.
Stanley W. Trimble, Ph.D.
Hartmut S. Walter, Ph.D.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

DEPARTMENT OF GEOGRAPHY

GRADUATE PROGRAM FOUNDED 1975

**DEGREES OFFERED: B.A., B.A. with GIS Emphasis,
B.S., M.A., Ph.D.**

**STUDENTS IN RESIDENCE: 120 Undergraduate
Majors, 65 Graduate Students**

CHAIR: Dan Montello

FOR CATALOG AND FURTHER INFORMATION,

CONTACT: Graduate Program Advisor: Department of Geography, University of California Santa Barbara, Santa Barbara, CA 93106-4060. Telephone: (805) 456-2829; Fax: (805) 893-2578; e-mail: geograd_assistant@ucsb.edu; Internet: www.geog.ucsb.edu.

PROGRAMS AND RESEARCH FACILITIES: The Geography Department at UCSB offers specialized graduate training leading toward the Masters and Ph.D. degrees. Areas of concentration include:

EARTH SYSTEM SCIENCE (ESS): This systematic area emphasizes the measurements, analysis, and modeling of hydrologic, atmospheric, oceanic, and terrestrial systems and the interactions between systems. A large proportion of the problems addressed by researchers in ESS involve three common elements: large regional issues; mathematical and computational modeling; and large, spatially indexed datasets.

HUMAN GEOGRAPHY (HG): This systematic area covers the major components of Human Geography offered by the Department, including: human spatial behavior; spatial decision-making and decision support; urban and regional modeling, planning, and policy; human movement and transportation systems; resource and environmental management; environmental ethics; human response to the changing environment.

MODELING, MEASUREMENT, AND COMPUTATION (MMC): This area is the investigation of those sets of techniques from the areas of analysis, statistics and computation that are particularly well-suited to the modeling of the complex, geographic phenomena that are the subject of investigation in both ESS and HER. Important sub-areas include numerical modeling, spatial statistics, remote sensing, computational modeling and database systems (including Geographic Information Systems), and visualization, all of which are increasingly dependent on knowledge of computational theory and practice.

The Masters program offers a thesis plan or an examination alternative. Coursework inside and outside of the department is used to ensure a strong program. The Ph.D. program includes an in depth diagnostic interview upon entrance, and it requires an approved dissertation proposal, comprehensive examinations, and a supervisory committee for the dissertation. Both programs are designed to provide maximum flexibility and breadth while simultaneously achieving desired levels of specialization.

The Geography faculty at UCSB have close research and teaching relationships with other disciplines which provide an excellent multi-disciplinary environment for graduate education. The faculty are outstanding researchers and have a strong record of obtaining extramural funding which provides considerable support for graduate students. The faculty are notably active as authors of books and peer reviewed articles, as members of editorial boards, and as reviewers of

manuscripts for professional journals. This professional activity keeps the UCSB Geography faculty at the leading edge of our discipline; indeed, two of our faculty are members of the National Academy of Science, one is a Fellow of the Royal Academy, and one received the Prix Vautrin Lud, Geography's equivalent of the Nobel Prize. The Department of Geography is also the headquarters of the UCSB Spatial Center (spatial@ucsb) and has a strong association with the UCSB Earth Research Institute.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Applications are to be made to the Admissions Office, UCSB. Admission requirements are the same for all undergraduates entering the University of California Santa Barbara.

GRADUATE: UCSB operates on the quarter system. Fall quarter admission only. Students applying for entrance to the program should have a demonstrated capability in Geography or other appropriate fields, have acquired a high grade point average (at least 3.25) during the junior/senior years, and should submit verbal and quantitative GRE scores upon formal application (combined verbal and quantitative scores should exceed 301). The department has a number of teaching assistantships and research assistantships available, and students may also apply for University fellowships.

FACULTY:

Bodo Bookhagen, PhD, Geology, Potsdam University, Germany, Assistant Professor — Understanding Quaternary climate change, geomorphic processes, landscape evolution, and tectonic processes through integrated studies involving cosmogenic radionuclide dating, recent and past climatic records, remote sensing, numerical modeling, and field observations.

Leila M. Vespoli de Carvalho, PhD, Meteorology, University of São Paulo, Brazil, Assistant Professor — Regional and large-scale climate variability and modeling, global climate change, and scaling processes in geophysics

Oliver Chadwick, PhD, Soil and Water Science, University of Arizona, Professor — Pedology, geomorphology, quaternary geology, soil-water-vegetation interaction and landscape relationships, isotopic fractionations during soil evolution

Richard Church, PhD, Environmental Systems and Research, Johns Hopkins University, Professor — Planning and environmental location/allocation modeling, water resources planning, operations research methods

Keith Clarke, PhD, Analytical Cartography, University of Michigan, Professor — Cartography and GIS

Helen Couclelis, PhD, Urban Modeling, Cambridge University, Professor — Spatial theory and modeling, behavioral geography, planning, and philosophy of science

Tommy Dickey, PhD, Geophysical Fluid Dynamics, Princeton University, Professor — Atmosphere-ocean interactions and upper ocean mixing, turbulence and internal waves, bio-optics, biogeochemistry, and biological-physical interactions

Catherine Gautier, PhD, Physics and Meteorology, University of Paris, Professor Emerita — Radiative transfer, earth radiation budget and cloud processes, large scale hydrology and surface/atmosphere interaction, global processes, and earth system science

Michael Goodchild, PhD, Geography, McMaster University, Professor Emeritus — Urban and economic geography, geographic information systems, and spatial analysis

Konstadinos Goulias, PhD, Civil Engineering, University of California, Davis, Professor — Transportation planning and modeling, travel behavior, behavioral dynamics, and microsimulation

Krzysztof Janowicz, PhD, Geoinformatics, University of Münster, Germany, Assistant Professor — Geographic Information Science, Semantic Web, Sensor Web, Mobile Computing, Geographic Information Retrieval, Gazetteers, Similarity & Context

Charles Jones, PhD, Land, Air, and Water Resources, University of California, Davis, Associate Professor — Precipitation variability, extreme events, weather forecasts, predictability studies, regional modeling, monsoon systems, and climate change

Jennifer King, PhD, Earth System Science, University of California, Irvine, Associate Professor — Biogeochemistry, earth system science, global change, ecosystem ecology, plant-soil-atmosphere interactions

Werner Kuhn, Dr.sc.techn., Surveying Engineering, ETH Zurich, Professor — Geographic Information Science, usability, semantics of spatial information, ontology of the environment, linked data, semantic reference systems

Phaedon Kyriakidis, PhD, Geological and Environmental Sciences, Stanford University, Associate Professor — Geostatistics and spatial analysis, spatiotemporal random fields

Hugo Loaiciga, PhD, Civil Engineering, University of California, Davis, Professor — Planning, design, and analysis of water resource systems; theory and computational aspects of surface and groundwater hydrology

David Lopez-Carr, PhD, Geography, University of North Carolina, Chapel Hill, Associate Professor — Population (migration, fertility), health, environmental change, deforestation, rural development, Latin America

Joe McFadden, PhD, Integrative Biology, University of California, Berkeley, Assistant Professor — Land-use and land-cover change, biosphere-atmosphere interactions, Earth system science, sustainability science, urban ecology

Joel Michaelsen, PhD, Geography, University of California, Berkeley, Professor — Climatology, meteorology, and statistics

Dan Montello, PhD, Psychology, Arizona State University, Professor — Spatial perception, cognition and behavior; cognitive issues in cartography and GIS; spatial aspects of social behavior; environmental psychology, and behavioral geography

Dar Roberts, PhD, Geological Sciences, University of Washington, Professor — Remote sensing of vegetation; geology, ecology, and ecophysiology

Dave Siegel, PhD, Ocean Physics, University of Southern California, Professor — Numerical simulation of small-scale thermocline motions, bio-optical oceanography, mixing and turbulence, the role of radiative processes in air-sea processes, kinematics and dynamics of oceanic particulates

Ray Smith, PhD, Physics, Stanford University, Professor Emeritus — Remote sensing of oceans, physical and biological oceanography; primary production and bio-optical modeling in aquatic environments, with emphasis on Antarctic ecosystems; marine and sea ice ecology of southern ocean; UV effects on phytoplankton; optical / biological / physical oceanography; marine resources; remote sensing of oceans; and earth systems science

Terry Smith, PhD, Geography and Environmental Engineering, Johns Hopkins University, Professor Emeritus — Individual and aggregate decision making and the application of methods of artificial intelligence models to such problems

Stuart Sweeney, PhD, City and Regional Planning, University of North Carolina, Chapel Hill, Associate Professor — Urban and regional modeling and planning, human migration, local economic development/policy, and spatial point process models of economic activity

Waldo Tobler, PhD, Geography, University of Washington, Seattle, Professor Emeritus — Cartography, computational geography

Libe Washburn, PhD, Engineering Sciences, University of California, San Diego, Professor — Coastal circulation, mesoscale processes, air-sea interactions, and interdisciplinary oceanography

UNIVERSITY OF REDLANDS

MS GIS PROGRAM

DATE FOUNDED: January 2002

DEGREES OFFERED: Master of Science in GIS

GRANTED: 9/12 - 8/13: 28

STUDENTS IN RESIDENCE: Masters 36

NOT IN RESIDENCE: 37

PROGRAM DIRECTOR: Prof. Douglas M. Flewelling

PROGRAM COORDINATOR: Ms. Debra Riley

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: MS GIS Program, PO Box 3080, Redlands, CA 92373-0999.
Phone: 909-748-8128. Fax: 909-335-5388. Email: msgis@redlands.edu. Department website: www.msgis.redlands.edu.

PROGRAM AND RESEARCH FACILITIES: The MS GIS Program is designed for an international audience of professionals seeking to improve their knowledge of the analysis and management of geographic information. This is a one-year, full-time residential program. Professionals from many fields and cultural backgrounds participate in this program to enhance their existing academic foundations and experience with comprehensive understanding of GIS fundamentals and the use and application of geographic information technologies. Graduates are GIS professionals prepared for positions as project managers, applications specialists, and applications software development team members. Since this is a professional degree, in lieu of a research thesis, students undertake a client-driven major individual project completed during the one-year program that culminates in a committee defense, extensive report, and public presentation. Those who continue as professionals in other fields have the necessary skills and knowledge to effectively integrate geographic information technologies and science into their work.

Each student receives a high-performance laptop computer configured with all course software, including the full suite of ArcGIS products. The Program is located in Lewis Hall which is an LEED-certified Silver Level "green" building. Facilities include all necessary computer peripherals, a 42" plotter, 30 TB of server storage, and a 42" TouchTable. The classrooms are equipped with tabloid format scanners, color laser printers, high-definition projectors, dual 46" high-definition monitors, and SmartBoards. The program also has a suite of GPS surveying equipment including five Trimble survey-grade units, 20 Trimble Juno mapping-grade units, 15 Garmin 60CS recreational grade units, and Trimble GPS Analyst software. Wireless connectivity is available throughout the campus. Wherever the students gather, whether in their dedicated classroom, in the Lewis Hall courtyard, or in the GIS student apartment complex, they have a fully-functional GIS laboratory.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Admission requires a Bachelor's degree in any field and two or more years of professional GIS experience. Applicants without two years' experience may substitute two university-level courses in GIS and an internship lasting four or more months. All information regarding the academic plan, admission requirements and financial aid can be found at www.msgis.redlands.edu.

ADDITIONAL RESOURCES: The MS GIS Program at the University of Redlands benefits from a close relationship with Esri, a leading GIS software company which is headquartered in Redlands. Esri is a source of adjunct faculty, software training, and access to cutting-edge technology and company facilities. A co-sponsored colloquium brings world-renowned speakers on GIS and its applications to the Redlands area.

FACULTY:

Douglas M. Flewelling, Ph.D., University of Maine, 1997, Director and Associate Professor — Geographic Database Design and Implementation, GIS Software Development, GIS
Mark P. Kumler, Ph.D., University of California Santa Barbara, 1992, Professor — Cartography, Visualization, GIS
Fang Ren, Ph.D., The Ohio State University, 2007, Associate Professor — Statistics, Spatial Analysis, GIS
Ruijin Ma, Ph.D., The Ohio State University, 2005, Assistant Professor — Geodesy, Photogrammetry, Remote Sensing, GIS

ADJUNCT FACULTY:

Aileen Buckley, Ph.D., Oregon State University, 1997 — Cartography, GIS
Pinde Fu, Ph.D., University of Kansas, Lawrence, 2000 — Geography, GIS
Ken Baloun, Master of Science, California State University-Dominquez Hills, 2013 and Master of Arts, California State University-Long Beach, 2006
Charles Frye, Master of Arts, Kansas State University, 1991
Mark Stewart, Master of Science, University of North Texas, 1994

UNIVERSITY OF SOUTHERN CALIFORNIA

SPATIAL SCIENCES INSTITUTE

DATE FOUNDED: 2010

DEGREES OFFERED: B.S., GeoDesign; Minor, Spatial Studies; M.S., Geographic Information Science and Technology (online); Graduate Certificate, Geographic Information Science and Technology (online); Graduate Certificate, Geospatial Intelligence; Graduate Certificate, Geospatial Leadership

GRANTED 9/1/12-8/31/13: 14 M.S. (GIST), 47 Graduate Certificates (GIST), 1 Ph.D. (Geography)

STUDENTS IN RESIDENCE: 8 B.S. (GeoDesign), 7 Minor (Spatial Studies), 5 Ph.D. (Geography)

STUDENTS NOT IN RESIDENCE: 182 M.S., 61 Graduate Certificates

DIRECTOR: John P. Wilson

INSTITUTE ADMINISTRATIVE COORD: Leilani Banks

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Katherine Kelsey, Spatial Sciences Institute, University of Southern California, 3616 Trousdale Parkway, AHF B55, Los Angeles, CA 90089-0374. Telephone: (213) 740-8298. Fax: (213) 740-9687. Web: <http://spatial.usc.edu/>.

PROGRAMS AND RESEARCH FACILITIES: The University of Southern California has recently embarked on an initiative to promote spatial thinking across the natural and social sciences, the humanities, and the professions. This initiative is led by the Spatial Sciences Institute and the spatial sciences are cast in terms of all the ways that geography (place, space, etc.) can be used to acquire, organize, represent, analyze, model, and visualize information. The Spatial Sciences Institute is housed in the Allan Hancock Foundation Building and includes faculty and staff offices, two conference rooms, an instructional computer laboratory, and dedicated spaces for graduate and undergraduate student researchers. The Institute boasts an impressive array of computing technologies dedicated to research and education. The 200+ students in our online programs are provided with state-of-the-art geographic information technologies via dedicated virtual desktops and servers and residential students can access the same tools through a dedicated student research laboratory

and a mobile laboratory that we use for teaching at the Wrigley Marine Science Center on Catalina Island. These platforms power a multitude of applications, including the entire suite of industry-standard GIS applications from Esri and GPS applications from Trimble, specialty software like the Idrisi Taiga GIS and Image Processing software, the latest in virtualization technologies from Citrix, and an ever-growing suite of open sources tools and plugins. All of the aforementioned computer facilities are supported by Dornsife College Technology Services and a dedicated systems administrator housed in the Spatial Sciences Institute. The Spatial Sciences Institute is also an Esri Development Center and a founding member of the UNIGIS International Association, a worldwide consortium of 10+ institutions which collaborates on the development and delivery of online geographic information science academic programs.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Students already enrolled at the University of Southern California can major in GeoDesign and minor in Spatial Studies.

GRADUATE: An online M.S. degree is offered for students specializing in Geographic Information Science & Technology and Graduate Certificates are offered for students specializing in Geographic Information Science & Technology, Geospatial Leadership, and Geospatial Intelligence. These graduate programs draw on the experience and expertise of an active research faculty as well as the resources and opportunities afforded by a major research university located in a world-class metropolis. The minimum requirements for admission to the graduate programs are a B.A. or B.S. degree from an accredited institution and an overall grade point average of 3.0 or higher for all undergraduate work completed. Students are admitted to the GIST M.S. degree and three aforementioned Graduate Certificate programs all three semesters.

CORE FACULTY:

- Yao-Yi Chiang, Ph.D., University of Southern California, 2010, Assistant Professor (Research)* — geospatial data integration, digital map processing, graphics recognition, pattern recognition, image processing
- Karen K. Kemp, Ph.D., University of California Santa Barbara, 1992, Professor of the Practice of Spatial Sciences* — spatial analysis, environmental modeling, GIS for the humanities, GIS professional competency
- Su Jin Lee, Ph.D., University of Southern California, 2012, Lecturer* — GIS, remote sensing, human and environmental interaction, solar radiation modeling, terrain analysis, land use, land cover change
- Travis Longcore, Ph.D., University of California Los Angeles, 1999, Associate Professor (Research)* — bioresource management, conservation planning, ecological light pollution, endangered species
- Katsuhiko (Kirk) Oda, Ph.D., Texas A&M University, 2011, Lecturer* — spatial thinking, GIS education, GIS, walkability, spatial cognition
- Darren Ruddell, Ph.D., Arizona State University, 2009, Assistant Professor (Teaching) and Director of Undergraduate Studies* — geospatial technologies, climate and society, human-environment interactions, geodesign, urban sustainability
- Jennifer Swift, Ph.D., Bogazici University Istanbul, 1995, Associate Professor (Teaching) and Director of Graduate Studies* — GIS, web GIS, mobile GIS, data modeling, geodesign, online education
- Daniel N. Warshawsky, Ph.D., University of Southern California, Lecturer* — geography, urban studies, food studies, African studies, international development, nonprofit studies

John P. Wilson, Ph.D., University of Toronto, 1986, Professor, Department of Sociology and Director, Spatial Sciences Institute — geographic information science, geodesign, spatial analysis, environmental modeling, health

ADJUNCT FACULTY:

- Jordan T. Hastings, Ph.D., University of California Santa Barbara, 2009, Adjunct Assistant Professor of the Practice of Spatial Sciences* — databases, GIS, cartography, visualization, gazetteers, geologic maps
- Tarek Rashed, Ph.D., University of California Santa Barbara and San Diego State University, 2002, Lecturer* — urban remote sensing, spatial decision support systems, disaster simulation, urban planning
- Robert O. Vos, Ph.D., University of Southern California, 1999, Adjunct Assistant Professor of the Practice of Spatial Sciences* — industrial ecology, GIS assessment of carbon footprinting, environmental politics and policy

AFFILIATED FACULTY:

- Jennifer Ailshire, Ph.D., University of Michigan, Assistant Professor (Davis School of Gerontology)* — social determinants of health, health disparities, aging and the life course, social relationships, social demography, spatial methods, quantitative methods
- George Ban-Weiss, Ph.D., University of California, Berkeley, 2008, Assistant Professor (Department of Civil and Environmental Engineering)* — global and regional climate modeling, effects of atmospheric particles and land-use on climate and air quality
- Myles G. Cockburn, Ph.D., University of Otago, 1999, Associate Professor (Department of Preventive Medicine)* — health GIS, cancer epidemiology, environmental epidemiology, melanoma, prostate cancer
- Elizabeth Currid-Halkett, Ph.D., Columbia University, 2006, Assistant Professor (Price School of Public Policy)* — city data, economic geography, economic development, cultural economy, social networks
- Philip J. Ethington, Ph.D., Stanford University, 1989, Professor (History and Political Science) and Co-Director, Center for Transformative Scholarship* — digital humanities, cartography, urban history, visual culture, immigration, race relations
- Brian Finch, Ph.D., University of Texas at Austin, 2000, Professor (Research) (Sociology)* — social demography, social epidemiology, social stratification and inequality, social statistics
- Meredith Franklin, Ph.D., Harvard University, 2007, Assistant Professor (Department of Preventive Medicine)* — spatial statistics, environmental statistics, atmospheric science
- Thomas Garrison, Ph.D., Harvard University, 2007, Lecturer (Department of Anthropology)* — GIS, remote sensing, Maya and Mesoamerican archaeology, landscape archaeology
- Craig A. Knoblock, Ph.D., Carnegie Mellon University, 1991, Professor (Research) (Computer Science) and Director of Information Integration, Information Sciences Institute* — data extraction from the Web, information gathering, artificial intelligence
- Ann Owens, Ph.D., Harvard University, 2012, Assistant Professor (Department of Sociology)* — spatial analysis, quantitative analysis, urban sociology, social stratification, social policy
- Alexander Robinson, M.L.A., Harvard University, 2005, Assistant Professor (School of Architecture)* — GIS mapping, landscape architecture design, landscape performance and infrastructure
- Kelly T. Sanders, Ph.D., University of Texas at Austin, 2013, Assistant Professor (Department of Civil and Environmental Engineering)* — analytical modeling of urban and agricultural systems; sustainable energy, water, and waste management

COLORADO

ARAPAHOE COMMUNITY COLLEGE

DEPARTMENT OF GEOGRAPHY / ENVIRONMENTAL SCIENCE

**DEGREES OFFERED: A.A. or A.S. with a concentration
in Geography**
CHAIR: Rosann T. Poltrone

FOR FURTHER INFORMATION WRITE TO: Rosann T. Poltrone, Arapahoe Community College, Department of Geography/Environmental Science 5900 S. Santa Fe Dr., P.O. Box 9002, Littleton, CO, 80160-9002. Telephone (303) 797-5698. E-mail: rosann.poltrone@arapahoe.edu. Internet: www.arapahoe.edu.

COURSES OFFERED: Physical Geography: Landforms; Physical Geography: Weather and Climate; World Regional Geography; Human Geography; and Introduction to Environmental Science.

MATRICULATION AGREEMENTS WITH FOUR-YEAR COLLEGES/UNIVERSITIES: All Colorado four-year universities accept World Regional Geography, Human Geography, Physical Geography: Landforms, Physical Geography: Weather and Climate, and Introduction to Environmental Science as "guaranteed transfer" classes (part of common courses for Colorado Colleges and Universities). Other courses typically accepted as electives.

FACULTY:

Rosann T. Poltrone, M. A., University Of Wyoming, 1987

ADJUNCT AND PART-TIME FACULTY:

Gary Pfeiffer, Ph.D.

Max Miller, M.S.

COLORADO STATE UNIVERSITY

DEPARTMENT OF ANTHROPOLOGY GEOGRAPHY MINOR

CHAIR: Dr. Michelle Glantz

**FOR FURTHER INFORMATION PLEASE
CONTACT:** Colorado State University, Anthropology Department,
1787 Campus Delivery, Fort Collins, CO 80523. Telephone (970)
491-5447. Fax (970) 491-7597. E-mail:
cla-anthro_info@mail.colostate.edu.

PROGRAMS AND RESEARCH FACILITIES:

Geography at CSU focuses on providing undergraduate students with a broad background in geographic thinking with an emphasis on the traditional geographic focus of understanding dynamic interaction between human and the environment in an era of rapid global change. Faculty use a range of research methods including geographic information systems (GIS), remote sensing, spatial modeling, and dendrochronology to address applied research questions in Colorado, the Rocky Mountains, Southeast Asia, Mesoamerica, Melanesia, Northern Andes Mountains, and southern South America. Research focus areas include:

- Biogeography
- Climate Change Implications for society and ecosystems
- Conservation

- Land Change Science (Land-use and land-cover change)
- Livelihood systems

A minor in Geography is an option within the Department of Anthropology. Current courses offered range from introductory courses that introduce students to geography and the two main branches of human and physical geography, to advanced courses which focus on methods (e.g. spatial analysis and GIS, remote sensing) and topical subjects such as climate change, forest ecology, mountain geography, the geography of commodities, and land change science.

Biogeography Lab: This laboratory is focused on research and teaching centered on forest dynamics and change in the context of anthropogenic land use, climate variability and change, and biophysical variables. The lab has computers and software for spatial analysis with GIS, and equipment to process and analyze tree-ring samples.

The Geospatial Lab: The Geospatial Lab supports the use of Geographic Information Sciences by students within the College of Liberal Arts (CLA) at Colorado State University. Students can use lab resources in support of their research and class projects. The lab also is used for courses on the use of Geographic Information Systems and Remote Sensing (GIS & RS). The courses introduce students to the uses of GIS & RS across a range of academic disciplines found at CSU. Besides those taking classes associated with the Geospatial Lab over 75 students from across the CLA departments make use of the lab each semester to utilize its capabilities for carrying out spatial analysis related to their research and to print maps and posters for presentation at conferences.

The Remote Sensing and Land Change Science Lab: This lab is focused on utilizing remote sensing and GIS tools to investigate land-cover and land-use changes and the drivers of these changes. Students and professors are currently investigating land changes in Asia (Vietnam, Laos, Thailand, Tibet/China), Africa (Madagascar), Melanesia (the Island of New Guinea), and North America (United States (Colorado and Alaska), Mexico, and Honduras). This laboratory has five computers running GIS software (ArcGIS) and remote sensing software (ENVI, ERDAS Imagine, Leica Photogrammetry System, and eCognition).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Colorado State University is on a semester plan. Admission requirements are available from: Director of Admissions, Office of Admissions, Colorado State University, Fort Collins, CO 80523 (<http://admissions.colostate.edu/>). Financial Aid information may be obtained from Student Financial Services, Financial Aid Office, Centennial Hall (<http://sfs.colostate.edu/>).

FACULTY:

Stephen Leisz, Ph.D., University of Copenhagen, Copenhagen, Denmark, 2007 — remote sensing technologies, land change science, climate change

Jennifer Lipton, Ph.D., University of Texas at Austin, Austin, TX, 2008 — Social-Ecological Systems, remote sensing, mountain environments, Andes, Bali

Jason Sibold, Ph.D., University of Colorado, Boulder, Colorado, 2005 — fire history, forest change, ecological impacts

UNIVERSITY OF COLORADO, BOULDER

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1927

GRADUATE PROGRAM FOUNDED: 1930

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED 12/2010-05/2011: 100 Bachelors (UC Boulder only), 13 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 250 Majors, 41 Masters, 61 Ph.D.

NOT IN RESIDENCE: 1 Masters, 2 Ph. D.

CHAIR: Peter Blanken

DEPARTMENT ADMINISTRATIVE ASST: Marcia Signer

FOR CATALOG AND UNDERGRADUATE APPLICATION

WRITE TO: Admissions Office, Attn: Catalog Order, Campus Box 7, University of Colorado, Boulder, Colorado 80309 (enclose \$10.00 check or money order for catalog). Financial Aid Office, Campus Box 106, University of Colorado Boulder, Colorado 80309.

For undergraduate and graduate program brochures graduate application write to: Department of Geography, Campus Box 260, University of Colorado, Boulder, Colorado 80309-0260. Telephone (303) 492-2631 (Undergraduate); (303) 492-8311 (Graduate). Fax (303) 492-7501. Internet: www.colorado.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES: Faculty members based on the University's campuses in Boulder, and Denver jointly form the Geography Graduate Faculty. The basic purpose of the program is the training of scholars who will continue to produce knowledge and of professionals with outstanding promise for success in the public and private sectors. The program offers advanced training, including formal course instruction, research guidance, and other professional experiences, in both physical and human geography. Research strengths are in arctic and alpine processes, snow and ice studies, geomorphology, climatology, biogeography, sustainable development, conservation, natural resources, cultural, social, urban, population, political, cartography, geographic information science, and geographic education. Although students' programs are individualized, each must demonstrate a command of the history and nature of the discipline and of a variety of modes of analysis and of geographic skills.

The department maintains teaching and research relationships with the Institutes of Behavioral Science (IBS) and of Arctic and Alpine Research (INSTAAR), the Cooperative Institute for Research in Environmental Sciences (CIRES), and the National Center for Atmospheric Research (NCAR). A host of other federal, state, and metropolitan agencies in the vicinity offer opportunities to the student.

At Boulder, a department Internship Program is available for junior and senior students in Geography. UC-Colorado Springs and UC-Denver have separate geography major programs; contact those departments directly at the addresses given in the following faculty lists.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester plan. Write above addresses for information on admissions and financial aid.

GRADUATE: Semester plan. Prospective students should have interests coincident with those of the faculty and strong preparation in the physical or social sciences, but not necessarily in geography. Applicants without a degree in geography may be required to make up deficiencies. In addition to department approval, an applicant for admission as a regular degree student must (1) hold a baccalaureate

degree from a college or university of recognized standing for M.A. admission, and a Master's degree for Ph.D. admission, or have comparable preparation to enter graduate study; (2) show promise of ability to pursue satisfactorily advanced study and research, and have at least a 3.25 undergraduate GPA on a 4.0 system. In addition, strong GRE verbal, quantitative, and analytical scores are required.

Financial aid may be available in the form of Teaching and Research Assistantships and University Fellowships. The application deadline is January 15.

FACULTY:

Waleed Abdalati, Ph.D. University of Colorado, 1996, Associate Professor and Faculty Director of CIRES — glaciers, ice caps, ice sheets of the world

Suzanne P. Anderson, Ph.D. UC-Berkeley, 1995, Associate Professor — geomorphology, hydrology

Holly R. Barnard, Ph.D., Oregon State University, 2009, Assistant Professor — forest engineering and forest science

Jennifer Balch, Ph.D. Yale, 2008, Assistant Professor — Biogeography, Forest Geography, Fire, the Amazon

Peter D. Blanken, Ph.D., 1997, University of British Columbia, Associate Professor — micrometeorology, energy/ water/carbon exchange, forest meteorology, Arctic and subarctic, climatology

Joseph H. Bryan, Ph.D. UC Berkeley, 2007, Assistant Professor — development and indigenous issues in the Americas

Barbara P. Buttenfield, Ph.D., Washington, 1984, Professor — geographic information science, analytical cartography, information design

Jennifer Fluri, Ph.D. Pennsylvania State, 2005, Associate Professor — Gender, Development, India

Mara Goldman, Ph.D. University of Wisconsin, 2006, Assistant Professor — human-environment relations, sub-Saharan Africa

Najeeb Jan, Ph.D. 2009 University of Michigan, Assistant Professor — West Asia, political, Islam

Stefan Leyk, Ph.D., University of Zurich, 2005, Assistant Professor — GIS, pattern recognition, land cover change

Noah P. Molotch, Ph.D., University of Arizona, Tucson, 2004, Assistant Professor — surface water and snow hydrology, ecohydrology, earth system science

Timothy Oakes, Ph.D., University of Washington, 1995, Professor — cultural, tourism, China

John V. O'Loughlin, Ph.D., Pennsylvania State, 1973, Professor — urban, political, Europe, international relations

John Pillick, Ph.D., Colorado State, 1988, Professor — fluvial geomorphology, hydrology

William E. Riebsame Travis, Ph.D., Clark, 1981, Associate Professor — natural resources management, environment and society

Fernando Riosmena, Ph.D., University of Pennsylvania, 2005, Assistant professor — Migration, Demography, Mexico

Elisabeth Root, Ph.D. University of North Carolina, 2009, Assistant Professor — disease ecology, spatial epidemiology, GIS, spatial stats

Mark Serreze, Ph.D. University of Colorado, Boulder, 1989, Professor and Director of the NSIDC — cryosphere variability and climate change

Seth Spielman, Ph.D. SUNY Buffalo, 2008, Assistant Professor — urban, GIScience and Public Health

Thomas T. Veblen, Ph.D., UC, Berkeley, 1975, Professor — biogeography, environmental conservation, Latin America

Mark W. Williams, Ph.D., UC-Santa Barbara, 1990, Professor — snow chemistry, alpine biogeochemistry, hydrology

Emily Yeh, Ph.D., UC-Berkeley, 2003, Associate Professor — political ecology of land use and resource conflicts in Tibetan areas of China, environmental politics of global change

ASSOCIATED FACULTY:

Max Boykoff, Adjunct Assistant Professor, CIRES

Jani Little, Adjunct Professor, IBS

Brian O'Neill, Adjunct Assistant Professor, NCAR

Bruce Van Haveren, Adjunct Professor
Willem van Vliet, Contributing Member, College of Architecture and Planning
Tania Schoennagel, Adjunct-Assistant Professor-INSTAAR

EMERITI FACULTY:

Roger G. Barry — climatology (mountain and polar regions, synoptic, climate change), snow and ice
Nelson Caine — hydrology, geomorphology
Susan W. Beatty — plant ecology, biogeography, soils, disturbance effects on landscape
Kenneth A. Erickson — cultural, cartography, Russia, conservation
Kenneth E. Foote — American and European landscape history, computer techniques and Internet applications, learning and teaching geography in higher education
Andrei Rogers — population, migration
Konrad Steffen — remote sensing, climatology; Director, Cryospheric and Polar Processes Division, Cooperative Inst. for Research in Environmental Sciences
Richard E. Stevens — agricultural, Africa, cartography, air photo

UNIVERSITY OF COLORADO, COLORADO SPRINGS

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

DATE FOUNDED: 1973

DEGREES OFFERED: B.A., M.A. in Applied Geography

GRANTED 8/20/2013-5/20/2014: 66 Bachelors; 4 M.A.

STUDENTS IN RESIDENCE: 251 Majors; 15 M.A.

CHAIR: John Harner

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Environmental Studies, University of Colorado, 1420 Austin Bluffs Parkway, Colorado Springs, CO 80918. Telephone: (719) 255-3016. Fax: (719) 255-4066. E-mail: jharner@uccs.edu.

PROGRAMS AND RESEARCH FACILITIES: The University of Colorado at Colorado Springs is a growing campus of approximately 10,300 students located along the Colorado Front Range. The Department of Geography and Environmental Studies offers a B.A. in Geography and Environmental Studies and an M. A. in Applied Geography. Areas of emphasis in the department are physical systems; human and cultural dynamics; environmental and sustainability studies; and geospatial techniques.

ACADEMIC PLAN AND ADMISSION REQUIREMENTS:

UNDERGRADUATE: There are six required courses and four option tracks: Human and Cultural Dynamics, Physical Systems, Environmental and Sustainability Studies, and GIScience. A maximum of 54 credit hours in Geography and Environmental Studies classes may be taken by a major in Geography and Environmental Studies. All students must take an exit exam before graduation.

GRADUATE: The goal of the program is to provide graduate level education that enables students to address community concerns through applied geographic research. Graduates of this M.A. program will have an understanding of and appreciation for the interactions between the human and natural world; skills to synthesize, analyze, and evaluate diverse social and physical information; ability to conceptualize spatial relationships for problem solving; and communication skills to clearly present solutions or recommendations.

Admission of students to the M.A. in Applied Geography program requires applicants to hold a baccalaureate degree or a master's degree from an accredited college or university; have an undergraduate grade

point average of 3.0 or better ("A" is equal to 4.0); complete the GRE General Test; provide 3 letters of recommendation; and provide two copies of official transcripts from all institutions attended.

Students may complete either a thesis option or a non-thesis option for the M.A. in Applied Geography. The department strongly encourages students to fulfill the thesis option that consists of 24 credits of coursework and 6 credits of thesis. All students must take GES 5770: History and Nature of Geography during their first fall semester and GES 5010: Seminar in Geographic Research during the subsequent spring semester.

For more information, please see our departmental web page at <http://www.uccs.edu/geography/>. Follow the MA Program links. Also, you may contact Emily Skop, Graduate Director at (719) 255-3789 or eskop@uccs.edu.

FACULTY:

Eric Billmeyer, M.A., University of Colorado, 2004, Instructor — fluvial geomorphology, restoration, sedimentology, geospatial tools
George Bolling, M.A., University of Northern Colorado, 1980, Senior Instructor — geomorphology, glaciations
Somayeh Dodge, Ph.D., University of Zurich, 2011, Assistant Professor — Geographic Information Science
Cerian Gibbes, Ph.D., University of Florida, 2011, Assistant Professor — Human-environment, remote sensing, climate/land interactions, socio-ecological implications of conservation strategies
John Harner, Ph.D., Arizona State University, 1996, Professor and Chair — cultural, urban, GIS, Mexico
David Havlick, Ph.D., University of North Carolina, 2006, Associate Professor — environmental politics, nature-society, public lands
Curtis D. Holder, Ph.D., Clark, 2000, Professor — climate, forest hydrology, human-environment interactions, Latin America
Carole J. Huber, M.A., University of Colorado, 1992, Senior Instructor — world regional, sustainability, sense of place
Thomas P. Huber, Ph.D., University of Colorado, 1980, Professor — geomorphology, remote sensing, Colorado/mountain environments
Steven Jennings, Ph.D., University of California, Davis, 1989, Associate Professor — biogeography, geography education, mountain environments
Michael P. Larkin, M.S., University of Colorado at Boulder, 2000, Senior Instructor — cultural geography, human geography
Emily Skop, Ph.D., Arizona State University, 2002, Associate Professor — urban, population, ethnic
Brandon J. Vogt, Ph.D., Arizona State University, 2007, Assistant Professor — geomorphology, GIS, rock weathering, geovisualization

EMERITAE:

Eve Grunfest, Ph.D., University of Colorado, 1982, Professor Emerita — natural hazards, weather and society integrated studies
Robert P. Larkin, Ph.D., The Pennsylvania State University, 1973, Professor Emeritus — population, geographic education

UNIVERSITY OF COLORADO DENVER

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL SCIENCES

DATE FOUNDED: 1975

**DEGREES OFFERED: B.A. in Geography, M.S. in
Environmental Sciences, MA in Applied Geography
and Geo-Spatial Science**

**GRANTED 9/1/12–8/31/13: 44 B.A. in Geography, 18 M.S.
in E.S.**

STUDENTS IN RESIDENCE: 174 Majors, 55 Masters

CHAIR: Brian Page

**DEPARTMENT PROGRAM ASSISTANT: Sue
Eddleman**

**DEPARTMENT ADMINISTRATIVE ASSISTANT:
Valerie Kraucunas**

**FOR CATALOG AND UNDERGRADUATE APPLICATION
WRITE TO:** Admissions, University of Colorado Denver,
Downtown Denver Campus, Box 167, PO Box 173364, Denver, CO,
80217-3364.

For program brochures and other department information including
admission to the graduate program write to: Department of Geography
and Environmental Sciences, University of Colorado Denver,
Downtown Denver Campus, Box 172, PO Box 173364, Denver, CO,
80217-3364. Telephone: 303-556-2276. Fax: 303-556-6197. Internet:
<http://clas.ucdenver.edu/ges>

PROGRAMS AND RESEARCH FACILITIES: CU-Denver is a
dynamic university consisting of 13 schools and colleges and 115
degree programs spread over two campuses – the Downtown Denver
campus and the Anschutz Medical campus. Located on the
Downtown Denver campus, the Department of Geography and
Environmental Sciences offers a BA in Geography, an MS in
Environmental Science, and beginning Fall 2015, a new MA in
Applied Geography and Geo-Spatial Science. The department also
offers a Certificate in GIS, and a Certificate in Sustainable Urban
Agriculture. Department research strengths are in both human and
physical geography, though the faculty as a whole coalesces around
the study of human-environment interaction emphasizing historic and
contemporary climate change, landscape transformation, the
conservation and management of cultural and natural resources,
political ecology, environmental history, natural hazards and disaster
management, urban sustainability, and environmental health.

The department forms the core of GIS activity on the Downtown
Denver campus with its base of operations at the Facility for
Advanced Spatial Technology or “FAST” lab. This multidisciplinary
laboratory provides state-of-the-art geo-spatial science technology for
teaching. The FAST lab consists of 40 workstations color printers and
plotters, system server, network access, and computer projection
systems. The lab has secured site licenses for the most advanced GIS,
image processing and database management software available in the
industry. A new research-dedicated geo-spatial science laboratory and
a new community engagement studio space will accompany the roll
out of the new MA program in the Fall of 2015. Other department
research facilities include: the Five Fridges Farm Field Research
Station, a 13 acre urban farm near downtown used to support the
department’s program in urban agriculture; an environmental
hydrology laboratory; and a climate science laboratory.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Semester plan. Please write to the above
addresses for information on admissions to the program. For financial
aid, please write to: Office of Financial Aid, University of Colorado
Denver, Downtown Denver Campus, Box 125, P.O. Box 173364,

Denver, CO 80217-3364. Phone: 303-556-2886. Internet:
finaid.cudenver.edu/.

FACULTY:

Casey Allen, Ph.D., Arizona State, 2008, Assistant Professor —
biogeomorphology, human-environment interaction, geography
and science education, Latin America and the Caribbean

Peter Anthamatten, Ph.D., Minnesota, 2007, Assistant Professor —
medical geography, spatial analysis, cartography, GIS, nutrition,
geographic education

Jon Barbour, Ph.D., California-Davis, 1999, Senior Instructor —
environmental geography, environmental health, GIS,
cartography

Christy Briles, P.D., University of Oregon, 2008, Assistant Professor —
paleoecology, biogeography, geolocation

*Frederick B. Chambers, Ph.D., Arizona State, 1990, Associate
Professor* — glacier-climate interrelationships, boundary layer
climatology

Anne Chin, Ph.D., Arizona State, 1994, Professor — fluvial
geomorphology, hydrology, environmental geomorphology

*Rudi Hartmann, Ph.D., Munich, 1983, Associate Professor, Clinical
Teaching Track* — world regional geography, Europe, China,
tourism planning, geographic education

*Rafael Moreno-Sanchez, Ph.D., Colorado State, 1992, Associate
Professor* — land use planning, natural resources management,
GIS modeling, internet mapping, Mexico

Brian Page, Ph.D., California-Berkeley, 1993, Associate Professor —
political economy of natural resource development, historical
geography, cultural landscape studies, urban geography

Gregory Simon, Ph.D., Washington, 2007, Assistant Professor —
environmental governance, political ecology, science studies,
political economy of development, environmental history, India,
US West

Ryan Sincavage, M.S., Colorado-Boulder, 2003, Instructor —
stratigraphy, sedimentology, petroleum geology, weather and
climate

Deborah Thomas, Ph.D., South Carolina, 1999, Associate Professor —
environmental hazards and disasters, health geography, GIS,
environmental health

Amanda Weaver, M.A., Texas-Austin, Sr. Instructor — urban
geography, GIS, geographic education

*Bryan Wee (Wee Shao-Chang, Bryan; Wee Shao-Zhang, Bryan)
Ph.D., Purdue, 2007, Associate Professor* — environmental
education, sustainability, cultural geography

John Wyckoff, Ph.D., Utah, 1980, Associate Professor — landscape
ecology/biogeography, environmental remote sensing, GIS

EMERITI FACULTY:

Wes LeMasurier, Ph.D., Stanford, 1965 — igneous petrology,
volcanology, volcanic geology of Antarctica

Martin Lockley, Ph.D., Birmingham, 1977 — paleontology, fossil
footprints, evolution of consciousness

John (Jack) Weihaupt, Ph.D., Wisconsin, 1973 — oceanography,
polar studies, astrogeology

UNIVERSITY OF DENVER

DEPARTMENT OF GEOGRAPHY & THE ENVIRONMENT

DATE FOUNDED: 1945

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.A., M.A., Ph.D. in Geography; M.S. in GISc (on-campus and on-line); and B.A., B.S. in Environmental Science

GRANTED 9/1/12-8/31/13: 14 Bachelors (Geography), 13 Bachelors (Environmental Science), 37 Masters, 2 Ph.D.

GEOGRAPHY STUDENTS IN RESIDENCE: 73 Majors, 54 Masters, 9 Ph.D.

NOT IN RESIDENCE: 2 Masters, 5 Ph.D.

ENVIRONMENTAL SCIENCE STUDENTS IN RESIDENCE: 86 Majors

CHAIR: Andrew R. Goetz

DEPARTMENT ASSISTANT TO THE CHAIR: Amanda O'Connor

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Geography, University of Denver, 2050 E. Iliff Ave., Denver, Colorado 80208. Telephone (303) 871-2513. Fax (303) 871-2201. Internet: www.du.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The University of Denver is the oldest independent university in the Rocky Mountain region; with a total enrollment of 12,000 students. Its location within a large metropolitan area in close proximity to the Rocky Mountains provides an ideal laboratory for physical and human geographers alike. At the undergraduate level, the Department offers a Geography major and minor, an Environmental Science major and minor, and minors in Geology, Geographic Information Science, Sustainability, and Tourism. At the graduate level, the Department offers both the Master's and Doctoral degrees in Geography, with particular strength in the areas of biogeography, climatology, economic geography, geographic information science, geomorphology, global change, human environment interaction, Latin America, population, Quaternary studies, transportation geography, and urban geography. The Department also offers on-campus and on-line Master of Science degrees in Geographic Information Science. The applied aspects of each area are emphasized to enhance vocational opportunities for graduates. A paid internship program is available with municipal, state, and federal agencies and private firms located in the Denver area for physical geography, human geography, and geographic information science students at both the graduate and undergraduate levels. Facilities at the University and within the Department provide a wide variety of teaching and research opportunities. Departmental lab facilities include a 24-seat GIS instructional lab, a 14-seat Advanced GIS lab, a 24-seat laptop lab, Remote Sensing Lab, Climatology Lab, and a Special Projects Lab. The Department of Geography maintains an inventory of mapping grade GPS equipment and GPS processing software. We currently maintain 10 Trimble Juno SB handheld GPS units and several Garmin handheld GPS devices, as well as an ASD Spectroradiometer. The Department also maintains a community GPS base station serving the Front Range of Colorado. The University of Denver has an ESRI University Site License with most ESRI software products available. Students will find ArcInfo and Extensions installed in the GIS laboratories. We also maintain current licenses for ERDAS Imagine, ENVI, and other GIS and image processing software. In addition, the Department has an extensive map library and equipment for its geomorphology/soils/pollen laboratories.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The program of study includes: 1) foundation courses, 2) a core of courses intended to provide each student with knowledge fundamental to geographers, and 3) an array of classes in the areas of human, physical, and GIScience, from which the students choose. Students can also register for our block of field courses in the Fall quarter. Courses taught in the field span all the geographic scales from the Denver metropolitan area to our field station on Mt. Evans, to developing landscapes in Guatemala or to examine relationships between humans and the environment in Europe, and ending with a course in the Sonora and Baja regions of Mexico. The university also provides an all-expense paid study abroad opportunity for all undergraduate students. Admission requires submission of high school and/or college transcripts, SAT or ACT scores, a personal essay, and recommendation(s) from previous teachers or counselors. The University has available a variety of financial aid opportunities for which most students can qualify.

GRADUATE: At the Doctoral level, a research-based dissertation is required, together with appropriate course work, tools, and comprehensive exam. Topical areas of focus include biogeography, climatology, economic geography, geographic information science, geomorphology, global change, human-environment interaction, Latin America, population, Quaternary studies, transportation, and urban geography. At the Master's level, the MA in Geography includes subfields within: (1) Physical Geography, (2) Human Geography, (3) Human-Environment Interaction, or (4) Geographic Information Science. The department also offers both an on-campus and on-line MS degree program in geographic information science (MS-GISc). Geospatial technology areas include: automated cartography; geographic information systems; global positioning systems; image processing; remote sensing; air photo interpretation; and spatial analysis methods and modeling. In all cases, the Department prides itself in the ability to tailor individual programs to complement the student's interests within a basic framework of practical requirements. Because this is a relatively small department, the student has the opportunity to work closely with his/her advisor. Admission requires submission of appropriate academic transcripts, Graduate Record Examination scores, three letters of recommendation, and applicant's statement of interest. The Department has available a number of graduate teaching and research assistantships. The assistantships carry a stipend and full tuition scholarship plus health insurance coverage. No out-of-state fees are charged to the student.

FACULTY:

E. Eric Boschmann, Ph.D., Ohio State University, 2008, Assistant Professor — urban, economic, commuting, mixed-methods, GIS
J. Michael Daniels, Ph.D., University of Wisconsin, 2002, Associate Professor — geomorphology, environmental change, soils, hydrology
Russell T. Fielding, Ph.D., Louisiana State University, 2010, Lecturer and Internship Program Director — cultural and environmental geography, sustainability and natural resources, human ecology, tourism, GIS
Andrew R. Goetz, Ph.D., Ohio State University, 1987, Professor and Chair — transportation, urban geography/planning, economic geography
Hillary Hamann, Ph.D., University of Colorado-Boulder, 2002, Senior Lecturer — hydrology, water resources, watershed biogeochemistry, physical geography, water resources, conservation
Steven R. Hick, MA, University of Missouri, 1983, Lecturer and Director, MS-GISc Program — geographic information science, project management, cartography, criminology
Michael J. Keables, Ph.D., University of Wisconsin-Madison, 1986, Associate Professor and Internim Dean, School of Engineering and Computer Science — climatology, water resources, climate variability

Michael W. Kerwin, Ph.D., University of Colorado, Associate Professor and Director, Environmental Science Program — Quaternary geology, dendroclimatology

Jing Li, Ph.D., George Mason University, 2012, Assistant Professor — geovisualization, spatiotemporal data modeling, high performance geocomputation, web-based GIS

Rebecca L. Powell, Ph.D., University of California-Santa Barbara, 2006, Assistant Professor — human-environment interaction, remote sensing, statistics, land use/land cover, geographic information science (GISc)

Donald G. Sullivan, Ph.D., University of California-Berkeley, 1989, Associate Professor — Quaternary studies, biogeography, environmental change

Paul C. Sutton, Ph.D., University of California-Santa Barbara, 1999, Associate Professor and Director of Graduate Studies — geographic information science (GISc), ecological economics, human-environment interactions, population geography

Matthew J. Taylor, Ph.D., Arizona State University, 2003, Associate Professor — Latin America, political ecology, development

Erika Trigo Rubio, Ph.D., University of Oxford, 2010, Lecturer — vulnerability and adaptation to climate change, geographic information science, Latin America

ADJUNCT FACULTY:

Joseph K. Berry, Ph.D., Colorado State University, 1976, Keck Scholar Professor/President Spatial Information Systems, Inc — CGIS modeling, spatial analysis, remote sensing, forestry

Maria Caffrey, Ph.D., University of Tennessee, Knoxville, 2011, Adjunct Professor — paleoclimatology, meteorology, future anthropogenic climate change

Andrea S.V. Gelfuso, J.D., University of Denver, 1990, Adjunct Professor — environmental law, environmental policy

Michelle Moran-Taylor, Ph.D., Anthropology, Arizona State University, 2003, Adjunct Professor — cultural geography, cultural ecology, human migration

Martha Narey, Ph.D., University of Denver, 1999, Adjunct Professor — dendroclimatology, drought climatology, climate history, paleoenvironments, vegetation change, rural land use, American Indians

Sean Tierney, Ph.D., University of Denver, 2009, Adjunct Professor — economic geography, energy, transportation

EMERITUS FACULTY:

David B. Longbrake, Ph.D., University of Iowa, 1972, Professor Emeritus — urban geography, urban and regional planning, quantitative methods, global position systems, geographic information systems

Terrence J. Toy, Ph.D., University of Denver, 1973, Professor Emeritus — geomorphology, hillslopes, reclamation of disturbed lands, erosion

UNIVERSITY OF NORTHERN COLORADO

DEPARTMENT OF GEOGRAPHY & GIS

DATE FOUNDED: 1968

DEGREES OFFERED: B.A.

GRANTED 9/1/10-8/31/11: 17 Bachelors

MAJORS: 39

DEPARTMENT CHAIR: Phil Klein

ADMINISTRATIVE ASST: Brooks Pardew

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Phil Klein, Department of Geography, University of Northern Colorado, Greeley, Colorado 80639. Telephone (970) 351-2715. Fax

(970) 351-2890. E-mail: phil.klein@unco.edu. Internet: <http://www.unco.edu/geography>.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Bachelor of Arts. The Program offers a major in geography with the following choices of study emphasis: (a) Global and Area Studies, (b) Geographic Information Sciences, and (c) Secondary Teaching. An Internship Program is available for students. The program maintains a GIS lab supplied with a range of statistical, mapping, and GIS applications for student use. The emphasis area in Secondary Teaching meets all requirements for licensure to teach secondary social studies in Colorado. The Department also offers a Graduate Certificate in Geography Education.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University operates year-round on the semester system (two semesters equal one academic year).

UNDERGRADUATE: Admission to the undergraduate program requires graduation from an accredited high school, a minimum of 15 secondary school units including three years of college preparatory mathematics, with a cumulative GPA of 2.9 or above and an ACT composite score of 21 (SAT 970 total) or better.

FACULTY:

Karen Barton, Ph.D., University of Arizona, 2000, Assistant Professor — resource management, cultural, human-environment interaction, South America

Charles O. Collins, Ph.D., University of Kansas, 1973, Professor — Mexico and Caribbean, population, cultural, vernacular landscapes

David M. Diggs, Ph.D., University of Colorado, Boulder, 1990, Professor — geographic information systems, cartography

James P. Doerner, Ph.D., University of Denver, 1994, Professor — biogeography, paleoenvironmental change, geomorphology, Asia

James M. Dunn, Ph.D., University of Colorado, Boulder, 1993, Associate Professor — geography education, environmental systems, Canada

Katherine Johnson, Ph.D., University of California, Berkeley, 2002, Associate Professor — political, urban, planning

Phil Klein, Ph.D., University of Colorado, Boulder, 1993, Professor — geography education, cultural, Europe

Jessica Salo, Colorado State University, 2014 — Instructor - geographic information systems, geography education

Timothy Vowles, Ph.D., University of Denver, 2000, Visiting Assistant Professor — transportation, economic, New Zealand

EMERITI FACULTY:

David B. Cole, Ph.D., University of Colorado, Boulder — geographic education, social, urban, Australia

John L. Dietz, Ph.D., Syracuse University — economic, US/Canada, Great Plains, Russia

Kevin C. Kearns, Ph.D., St. Louis University — political, Ireland

Richard K. Ormrod, Ph.D., Pennsylvania State University — human environment, GIS

Charles G. Schmidt, Ph.D., University of Washington — economic, urban, East Asia

Steven L. Scott, D.A., University of Northern Colorado — cartography, US/Canada, Great Plains

CONNECTICUT

CENTRAL CONNECTICUT STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1969

GRADUATE PROGRAM FOUNDED: 1964

DEGREES OFFERED: B.A., B.S., M.S., M.S. in

Sustainability

GRANTED 9/1/08-8/31/09: 60 Bachelors: 8 Masters

STUDENTS IN RESIDENCE: 242 Majors, 60 Masters

NOT IN RESIDENCE: 45 Masters

CHAIR: Cynthia K. Pope

DEPARTMENT SECRETARY: Diane Cannata

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Cynthia K. Pope, Chair, Department of Geography, Central Connecticut State University, 1615 Stanley St., New Britain, Connecticut 06050. Tel (860) 832-2785. Fax (860) 832-3140. E-mail: PopeC@mail.ccsu.edu. Internet: www.geography.ccsu.edu/.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Major in geography with a specialization in urban and regional planning. Also, major in geography with one of the following tracks: (1) physical/environmental, (2) geographic education, (3) geographic information science, (4) tourism, (5) general/regional, (6) planning, and (7) hospitality/tourism. Many paid internships available. Coop education program also available.

GRADUATE: Custom-designed programs to fit the needs of individual students. See undergraduate programs for areas of specialization. Please call for information about graduate assistantships. Facilities: Fully-equipped GIS, cartography and air photo interpretation labs. Our network includes 36 computers, plus digitizers, scanners, black/white, color laser printers and one plotter. We have 25,000 sheets in our U.S. Federal Government Map Depository collection. Scholarship: Timothy J. Rickard Scholarships for Geography Majors.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Undergraduate GPA of 2.7 or higher required for admission to graduate program; GRE not required. TOEFL score of 550 or higher required for those whose native language is not English. A limited number of Graduate assistantships are available. Call or write for further information.

FULL-TIME FACULTY:

Richard W. Benfield, Ph.D., Oklahoma, 1998, Professor — Tourism, recreation, Europe, Russia & N.I.S

Charles Button, Ph.D., Cincinnati, 2003, Professor — Water resources, Environmental and Physical Geography

Peter A. Kwaku Kyem, Ph.D., Clark Univ, 1997, Professor — Resource/Environmental/Physical Geography, GIS, Map reading and Sub-Saharan Africa

Yunliang Meng, Ph.D. Western Ontario, 2010, Assistant Professor — GIS

Cynthia Pope, Ph.D., Arizona, 2002, Professor and Chairperson — Medical geography, Gender, Latin America

William R. Price, Ph.D., Kansas, 2014, Assistant Professor — Tourism, Oceania

Howook Chang, Assistant Professor, Tourism & Hospitality Program, Sejong Univ., South Korea — Hospitality Administration and Management

Xiaoping Shen, Ph.D., Ottawa, 1995, Professor — Economic, China, GIS, Cartography

Brian J. Sommers, Ph.D., Arizona, 1994, Professor and Assistant to the Dean, School of Arts and Sciences — urban geography and planning, historic preservation, geography of wine

EMERITUS FACULTY:

Timothy J. Rickard, Ph.D., Kansas, 1974, Professor Emeritus — rural planning, Europe

James Snaden, Ph.D. Michigan, 1974, Professor Emeritus — human geography, Latin America, cartography

John E. Harmon, Ph.D., Boston, 1979, Professor Emeritus — GIS, transportation planning, field methods

PART-TIME FACULTY:

William A. DeGrazia, M.S., Western Connecticut, 1974, Lecturer — introductory courses, teaching method

James Gambardella, M.A., Vermont, 1984, Lecturer — air photo interpretation, soils and vegetation

Marwin Gonzalez, M.S., Central CT State University, 2012 — GIS

David Johnson, M.A., University of South Dakota, 1971, Lecturer — tourism and hospitality

Angelina Kendra, Ph.D., Virginia Tech University, 2002, Lecturer — recreation and tourism

Donald Myers, M.S. & AICP, Central Connecticut, 1996, Lecturer — U.S. and Canada, recreation planning

Donald Poland, M.S., Central Connecticut, 2000, PhD. Candidate, Univ. College of London, Lecturer — urban and regional planning

Thomas E. Sherer, Jr., M.S., Central Connecticut, 1990, Lecturer — map reading and cartography

UNIVERSITY OF CONNECTICUT

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1976

DEGREES OFFERED: B.A., B.S., M.A., Ph.D.

GRANTED 09/01/13-08/31/14: 17 Bachelors, 1 Masters, 4 Ph.D.

STUDENTS IN RESIDENCE: 45 Majors, 5 M.A., 25 Ph.D.

CHAIR: Ken Foote

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chuanrong Zhang, Graduate Coordinator, Department of Geography, Unit 4148, 215 Glenbrook Road, Austin Building Room 422, University of Connecticut, Storrs, Connecticut 06269-4148. Telephone (860) 486-3656. Fax (860) 486-1348. E-mail: geography@uconn.edu. Internet: www.geography.uconn.edu

PROGRAMS AND RESEARCH FACILITIES: The Department offers programs leading to Ph.D., M.A., or B.A./B.S. degrees in Geography. It also offers a both an online and on-campus graduate certificate in GIS. The Department offers a broad program in geography with long-standing strengths in GIScience, spatial analysis and statistics, location theory and economic geography. Current emphases of our program are sustainability, environment and planning; GIS and spatial analysis; society, space, and social change; and climate and environmental change. With respect to the M.A. and B.A./B.S. programs, the Department has created strong and flexible programs with a consistent emphasis on the development of marketable, professional skills with a focus on spatial analysis, quantitative and qualitative methodologies, and geographic information systems. The department has strong ties to with other departments and programs across the university including, among others, the Center for Environmental Studies and Engineering; Center for Health, Intervention and Prevention, Department of Civil and Environmental Engineering in the College of Engineering; Department of Natural Resources and Environmental in the College of

Agriculture, Health and Natural Resources; the Connecticut State Data Center; and the Africana Studies Institute.

As a department in a major research university, the support facilities of the department are excellent. A windows-based instructional lab is used for spatial analysis, GIS, and cartography. Graduate students have 24/7 access to a research computer lab, as well as access to a physical geography lab, survey and field equipment.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. B.A. requires eight geography courses plus four related electives; the B.S. has a six-course core with three electives. The Master of Arts degree has options for a thesis (24 credits of coursework) or coursework and a research paper (30 credits). The graduate certificate program (online and on-campus) consists of two core courses and two electives. The Ph.D. program normally involves a four year course of study with a minimum 24 credits of coursework beyond the Master's degree, plus dissertation. Submission of GREs is required for admission and required for applications for teaching and research assistantships. Applications for admission to the departments graduate and certificate programs are accepted any time during the year. However, applications for financial aid (teaching and research assistantships) are reviewed only once annually for applications received by January 2 each year.

FACULTY:

Carol Atkinson-Palombo, Ph.D., Arizona State, 2007, Associate Professor — urban economic development, urban transportation, land use change, GIS-based modeling
William H. Berentsen, Ph.D., Ohio State, 1976, Professor — regional development and change, Europe and U.S.
Amy Burnicki, Ph.D., Michigan, 2008, Assistant Professor-in-Residence in Geography and Department of Civil and Environmental Engineering — GIScience, quantitative methods, land change science, spatial analysis and modeling
Tim Byrne, Ph.D., Univ. of Calif., Santa Cruz, 1981, Associate Professor in Geography, Center for Integrative Geosciences, and Marine Sciences — marine geology and tectonics, convergent margin geology, structural geology
Thomas J. Cooke, Ph.D., Indiana, 1993, Professor — urban, economic, population, quantitative methods
Robert G. Cromley, Ph.D., Ohio State, 1978, Professor — location theory, GIScience, computer assisted cartography
Heidi Dierssen, Ph.D., Univ. of Calif., Santa Barbara, 2000, Associate Professor, Avery Point Campus — Coastal optics and remote sensing to address questions related to biological and physical processes in the ocean
Ken Foote, Ph.D., Chicago, 1982 — GIScience and visualization, interactive and multimedia cartography, landscape history, geography in higher education
Debarchana Ghosh, Ph.D., Minnesota, 2009, Assistant Professor — GIScience, social network analysis, mixed methods, health geography, social media
Dean M. Hanink, Ph.D., Georgia, 1980, Professor — economic, regional development
John-Andrew Jolly-Ballantine, Ph.D., Univ. of Calif., Santa Barbara, 2008, Associate Professor in Residence — geography education, sustainability, geomorphology, remote sensing, hydrology
Adam Keul, Ph.D., Florida State, 2011, Assistant Professor-in-Residence — cultural, nature/society, tourism, coastal regions
Weidong Li, Ph.D., China Agricultural University, 1995, Research Scientist — Geospatial statistics and geo-computation, environmental informatics, GIScience, soil and landscape mapping, land use change and remote sensing
Priscilla McCutcheon, Ph.D., Georgia, 2011, Assistant Professor — sustainable agriculture, race and ethnicity
Richard Mrozinski, M.A., Connecticut, 1996, Instructor — GIScience, medical geography

William Ouimet, Ph.D., Massachusetts Institute of Technology, 2007, Assistant Professor in in Geography and Center for Integrative Geosciences — geomorphology and geochemistry
Lisa Park Boush, Ph.D., Arizona, 1995, Professor and Director, Center for Integrative Geosciences — climate change, biodiversity and sustainability
Anji Seth, Ph.D., Michigan, 1995, Associate Professor — climate change, society and climate
Scott Stephenson, Ph.D., UCLA, 2014, Assistant Professor — GIS, environmental change, transportation, natural resources
Jeanne Thibeault, Ph.D., Connecticut, 2010, Postdoctoral Research Fellow — regional climate change
Nathaniel S. Trumbull, Ph.D., Washington, 2006, Associate Professor — urban management, water resources planning and management, urban and community development, regional planning, geographic information systems, information technology and education
Daniel Weiner, Ph.D., Clark, 1986, Professor and Vice Provost for Global Affairs — development geography; political ecology; GIS and society
Chuanrong Zhang, Ph.D., Wisconsin, Milwaukee, 2004, Associate Professor — GIScience, remote sensing, spatial analysis

EMERITUS and RETIRED FACULTY:

Peter L. Halvorson, Ph.D., Cincinnati, 1970, Professor Emeritus
Thomas R. Lewis, Ph.D., Rutgers, 1978
Ross MacKinnon, Ph.D., Northwestern, 1968, Professor Emeritus
Jeffrey P. Osleeb, Ph.D., SUNY Buffalo, 1974, Professor Emeritus

ASSOCIATED FACULTY:

Daniel L. Civco, Ph.D., Connecticut, 1987, Professor of Geomatics, Department of Natural Resources and the Environment and Director, Center for Landuse Education and Research (CLEAR) — remote sensing, image processing, GIS, land use change, natural resources management

DELAWARE

UNIVERSITY OF DELAWARE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1966

GRADUATE PROGRAM FOUNDED: 1971

DEGREES OFFERED: B.A. (Geography, Geography Education, Environmental Studies), B.S. (Environmental Science), M.A., M.S., Ph.D. (Climatology, Geography), Graduate Geographic Information Science Certificate

GRANTED 9/1/13-8/31/14: 64 BACHELORS, 6 MASTERS, 2 Ph.D.

STUDENTS IN RESIDENCE: 288 Majors (25 Geography, 145 Environmental Science, 85 Environmental Studies), 15 Masters, 10 Ph.D., 8 GIS Certificate NOT IN RESIDENCE: 6 Masters, 4 Ph.D.

CHAIR: Tracy DeLiberty

ASSISTANT TO THE CHAIR: Kaci Middlemas

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Tracy DeLiberty, Chair, Department of Geography, University of Delaware, Newark, DE 19716. Telephone: (302) 831-2294. Fax (302) 831-6654 (Faxes should be directed to Tracy DeLiberty). E-mail: info@geog.udel.edu. <http://www.udel.edu/Geography/>.

GRADUATE PROGRAMS AND RESEARCH FACILITIES:

Delaware's graduate programs provide opportunities to interact closely with faculty whose research interests encompass one or more of four broad areas: climatology, land surface processes, human geography, and geographic methods.

A newly crafted Ph.D. degree in Climatology, beginning Fall 2014, builds on the longstanding climatology tradition in the department with additional faculty and resources with the College of Earth, Ocean and Environment. The climatology faculty research includes climate dynamics, atmospheric response modeling, and climatic data analysis.

The Geography Ph.D. degree serves as the umbrella degree for advanced geographic research in both physical and human geography. The physical geography research includes cryosphere studies (sea ice, glaciers, snowcover, permafrost), land-surface processes (vegetation change, biogeochemical changes in forests, linkages between hydrology and ecosystem processes, beach dynamics, fluvial sediment changes), geographic methods applied to physical geography and resource problems (especially GIS), and effects of climate and land surface change on human activities. A *new* human geography focus covers a range of environmental themes approached from cultural-historical, socio-economic and political perspectives. Coupled human-environment systems are particularly of interest that examine the linkages and processes between the biophysical environment and human societies with emphasis in environmental governance, conflicts over increasingly scarce resources, and human dimensions of climate change. Interdisciplinary work is encouraged from across the university and in collaborations with local, national, and international partners. The department is flexible, focusing on individual interests and encouraging multidisciplinary work.

Delaware's masters programs in Geography provide individualized coursework and professional training, with an emphasis on developing research and analytic abilities, as well as professional communication skills. A thesis is required of all masters students.

Graduate GIS Certificate program is designed to provide the theoretical underpinnings of GIS to make informed use of geographic technologies and to gain the technical skills needed to construct and solve problems in the physical and social realms. The program requires one core graduate GIS course followed by 9 additional graduate GIS credit hours.

Topical Emphases:

Climatology emphasizes the study of interactions between atmospheric and land-surface processes and their role in environmental problems. Faculty research interests fall within all the traditional subareas of climatology, including climate dynamics, hydroclimatology, physical climatology, microclimatology, paleoclimatology, and synoptic weather-analysis climatology. Human impacts on energy and moisture exchanges, and climatic influences on socioeconomic activities are of increasing importance and allow many opportunities for interdisciplinary and cross-disciplinary research.

Land-surface processes encompasses research where primary processes in the soil, vegetative layer, or other aspects of the near-surface landscape. Such interests include the effects of forest cover on hydrological and geochemical flows and the linkages between hydrology and ecosystem processes, and small-scale erosion and sedimentation processes on ocean beaches and small streams.

Cryosphere studies feature heavily in both climate and land-surface research, including snowcover and snowfall studies, glacier dynamics and variations, and permafrost and periglacial geomorphology. In addition, we have substantial research projects in sea-ice dynamics and development of sea-ice datasets

Human geography at Delaware has closely followed the remaking of the cultural and economic landscape of the Western world following the end of the Cold War and the rise of energy issues, climate change, and globalization as the motivating forces for geographic change.

Recent research topics include the economics of carbon-emissions trading, studies of legal and illegal immigrant connections between the mid-Atlantic and Central America, policy mechanisms that govern agricultural green water use in Gansu Province in China, and the interactions between humans and the urban environment. Graduate research topics may follow a wide range of related topical areas.

Field research and measurement provide a major tool of research in this department. The Delaware Environmental Observing System (DEOS) established and maintains near 50 automated weather stations in Delaware and nearby, providing real-time weather information for regional environmental research as well as for a wide variety of outside users. Another large ongoing project is the participation of UD geographers in the Circumpolar Active-Layer Monitoring (CALM) project which brings several of them annually to the north slope of Alaska for permafrost and related periglacial environmental monitoring. Recent microclimatic, biogeographic and nutrient load measurements are carried out at a forest reserve in Maryland and within Christina River Basin. In addition, geomorphic and periglacial studies have been carried out across the continent in the Cascades, but also locally on Delaware beaches, and Virginia streams. Human geography also includes field research on transnational connections between Guatemala and southern Delaware, understanding of communities and their changes in Delaware and Philadelphia, the nature of the community and its social characteristics right here in Newark, to water resources and climate change studies in China, and health and urbanization examining the cholera epidemic and autism disorder.

Research methods also encompass analysis and synthesis of existing data, including data from observational networks, remote sensing sources, the census, and other archival sources. Geographic Information Science (GIS) is used as an analysis and presentation tool in all of our research areas, and nearly all of our graduate students opt for significant training in GIS. GIS skills are complemented by training in remote-sensing, image analysis, statistical methods, and database programming. Although all masters and doctoral theses require topical research areas, emphasis on the research methods is commonly allowed at the masters level. The Graduate GIS Certificate Program prepares students to utilize GIS in their program area of study by developing the student's theoretical underpinnings of GIS and to develop their technical skills.

The University and Department cover all student and faculty computing and computer network needs at several levels. All graduate student offices include department-provided workstations. The University provides licensed software sufficient for a wide variety of uses, including GIS and statistical analysis software. The Geography Department operates the University's GIS classroom as a state-of-the-art teaching facility and also maintains a lab for graduate and professional level research using GIS and image analysis software. Departmentally owned workstations and data servers handle most of our data-intensive applications, including GIS. A computer programmer/analyst assist with use of these resources. The Department's computing resources are supplemented by high-end Unix servers at the University level and by supercomputer resources available through SURAGRID, supporting some of our larger data analysis projects and our atmospheric modeling.

The Department maintains a strong interest in geographic education, and graduate students can participate in outreach activities at local, regional, and national levels. The Delaware Geographic Alliance is headquartered in the Department and employs a full-time coordinator. Its mission is to enhance education at the K-12 level throughout the state of Delaware, primarily through providing existing teachers with resources and education.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University operates on the semester system. Admission requirements are an undergraduate GPA of 3.0 (4-point scale) and combined verbal and quantitative minimum GRE scores of 300 for the

masters and Ph.D programs. Applicants scoring lower on these criteria may be considered if they demonstrate superior aptitude in other respects. Admission is competitive and is based on the number of well-qualified applicants and the availability of faculty and financial resources. The graduate program will consider applicants without previous background in geography, although remedial work may be required as a condition of acceptance. Admission requirements for the Ph.D. program also include a thesis-based masters degree in geography or a discipline closely related to the proposed area of study, and demonstrated methodological training, including courses through ordinary differential equations for example with the Climatology Ph.D. program. Financial support is available through fellowships, research assistantships, and teaching assistantships. Financial support for entering graduate students is awarded on a competitive basis.

FACULTY:

Cristina Archer, Ph.D., Stanford University, 2004, Associate Professor — renewable energy, wind power, meteorology, climate change, air quality, numerical modeling of atmospheric processes.

Lodevicus Claessens, Ph.D., UC Santa Barbara/San Diego State University, 2008, Assistant Professor — hydrology and ecosystems processes, land-use and climate change impact, nutrient cycling, aquatic restoration

Afton Clarke-Sather, Ph.D., University of Colorado, 2012, Assistant Professor — human dimensions of resource governance, particularly issues of water and climate

Tracy L. DeLiberty, Ph.D., Oklahoma, 1994, Associate Professor, Chair — climatology, remote sensing, GIS, sea ice

Cathleen A. Geiger, Ph.D., Dartmouth, 1996, Research Associate Professor — climatology, mechanics, kinematics, and dynamics of sea ice, cryosphere, polar regions

Brian Hanson, Ph.D., Minnesota, 1985, Professor — climate dynamics, glaciology, numerical modeling

Paul Jackson, Ph.D., University of Toronto, 2011, Assistant Professor — urban geography and political ecology of health

Jessical Mitchell, Ph.D., Idaho State University, Visiting Assistant Professor — environmental planning, geospatial analysis, applied remote sensing science – lidar, hyperspectral analysis

Daniel J. Leathers, Ph.D., Pennsylvania State, 1988, Professor and Delaware State Climatologist — snowfall and snow cover studies, cryosphere, atmospheric dynamics, hydroclimatology, microclimate

David R. Legates, Ph.D., Delaware, 1988, Professor and Coordinator of the Delaware Geographic Alliance — hydroclimatology, precipitation, snowfall measurement, global climate change, remote sensing of precipitation, computational methods

Delphis F. Levia, Ph.D., Clark University, 2000, Associate Professor, Associate Chair, and Director of the Environmental Science/Studies Program — biometeorology, hydrology, watershed ecology, field methods and instrumentation, environmental management

Sara Rauscher, Ph.D., University of Wisconsin-Madison, 2004, Assistant Professor — regional climate modeling dynamics, climate change and variability

Yda Schreuder, Ph.D., Wisconsin-Madison, 1982, Professor — historical, urban, and economic geography, sustainable development

April Veness, Ph.D., Minnesota, 1984, Associate Professor — urban/social geography, minority problems and places, geographic thought

Dana Veron, Ph.D., Scripps Institution of Oceanography, University of California-San Diego, 2000, Associate Professor — regional modeling in Arctic/Antarctic, Arctic energy budget, cloud forcing and feedback, sea breeze, wind resource assessment, air-sea Interactions

EMERITUS:

Edmunds V. Bunkše
Frederick Nelson

Thomas Meierding
Peter Rees
Cort Willmott

PROFESSIONAL ACADEMIC STAFF:

Margaret R. Legates, M.Ed., Delaware, 1991, Program Coordinator of the Delaware Geographic Alliance — geographic education

Kenji Matsuura, Ph.D., Delaware, 1992, Geographic Programmer/Analyst — climatology, database management, computer applications

AFFILIATED FACULTY:

David L. Ames, Ph.D., Clark, 1969, Professor (joint appointment with Urban Affairs and Public Policy) and Director of the Center for Historic Architecture and Engineering — historic preservation, urban geography, urban and regional planning

John M. Byrne, Ph.D., University of Delaware, 1980, Professor (joint appointment with the Center for Energy and Environmental Policy) and Director of the Center for Energy and Environmental Policy (CEEP) — Political economy; sustainable development; environmental justice; technology, environment and society

John E. A. MacKenzie, Ph.D., Rhode Island, 1985, Associate Professor (joint appointment with Department of Food & Resource Economics) — resource economics, GIS, land use

Peter Mires, Ph.D., Louisiana State, 1988, Adjunct Associate Professor — Human geography, geographic education

Michael A. O'Neal, Ph.D., Washington, 2005, Associate Professor — glacial and fluvial geomorphology, quaternary, geology and geochronology, GIS

James Pizzuto, Ph.D., Minnesota 1982, Professor (joint appointment with Department of Geological Sciences) — fluvial geomorphology

Anthony Seraphin, Ph.D., Delaware, 2004, Assistant Professor (joint appointment with Department of Mathematical Sciences) — climate datasets, pollution transport

Amy T. Smith, Ph.D., Delaware, 1995, Adjunct Assistant Professor — Conservation, resources and economic geography

Dana E. Veron, Ph.D., Scripps Institution of Oceanography, UCSD, 2000, Assistant Professor (joint appointment with School of Marine Science and Policy) — cloud-aerosol-radiation interactions, climate change, Arctic energy balance, surface optical properties

DISTRICT OF COLUMBIA

THE GEORGE WASHINGTON UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1945

DEGREES OFFERED: B.A., M.A.

GRANTED 9/1/12-8/31/13: 39 Bachelors, 9 Masters

STUDENTS IN RESIDENCE: 162 Majors, 23 Masters

NOT IN RESIDENCE: 0

CHAIR: Elizabeth Chacko

DEPARTMENT ADMINISTRATIVE ASST: William Nichols

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chairman, Department of Geography, 1922 F St. NW, Office 232, George Washington University, Washington, DC 20052. Telephone (202) 994-6185. Fax (202) 994-2484. E-mail: geog@gwu.edu Internet: geography.columbian.gwu.edu

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography is located in the heart of Washington, DC, within walking distance of the Departments of State, the World Bank, the Organization of American States, the White House, and short subway rides to the Library of Congress, the National Institutes of Health, and many other research facilities. The department has a large spatial analysis lab and a physical geography lab. In addition, faculty in the department work closely with the Elliott School of International Affairs, the Latin America and Hemispheric Studies Program, Sigur Center for Asian Studies, the Institute for Middle East Studies, and Environmental Studies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The Department offers a Bachelor of Arts in Geography which is made up of 36 credit hours in the major. Beyond the introductory sequence, there is a core curriculum of two courses in each of the following groups: 1) physical, 2) human, 3) techniques and one course in 4) regional. An additional requirement is a senior proseminar in geography. The Department also offers a Bachelor of Arts in Environmental Studies, which is an interdisciplinary degree. Minors in Geography and Geographic Information Systems (GIS) are also offered.

The Master of Arts degree program requires a B.A. or B.S. degree in geography or a related field in the social or natural sciences. Thesis and non-thesis options are available. The thesis option requires a minimum of 30 semester hours, including Thesis Research credit. The non-thesis option requires 36 hours of graduate work. The program of study has a three-course core, after which the student selects courses in conjunction with an advisor and the student's graduate committee. Students can select courses from allied programs within the University or available through the consortium of universities within the Washington area. The M.A. program focuses on the urban environment; development and sustainability; human migration and mobility; and applied geospatial techniques. A limited number of fellowships and teaching assistantships are available, as are internship possibilities with various agencies. A GIS Certificate Program was introduced in 2014, which is a 12-credit program with rolling admission open to students who already have a B.A. or B.S. degree.

FACULTY:

- Mona Atia, Ph. D., University of Washington, 2008, Associate Professor of Geography and International Affairs — Economic Development, Cultural, and the Middle East*
- Lisa M. Benton-Short, Ph.D., Syracuse University, 1997, Associate Professor of Geography — Urban Geography, Environmental Issues*
- Nuala Cowan, D.Sc., The George Washington University, 2013, Assistant Professor of Geography — GIS for Emergency Management, Open Geospatial Data for Disaster Preparedness*
- Stephen Cowan, M.A., University of Westminster, 2000, Lecturer of Geography — Military Geography, International Relations, and Political Theory*
- Elizabeth Chacko, Ph.D., UCLA, 1997, Associate Professor and Chair of Geography — Population, Cultural and Urban Geography, South Asia*
- Ivan Cheung, Ph.D., UCLA, 1998, Professorial Lecturer in Geography — Spatial Analysis, Climatology, Transportation*
- Joseph P. Dymond, M.S., Louisiana State University, 1999, M.S., Pennsylvania State University, 1994, Professorial Lecturer of Geography — Human, Political, and Latin American Geography*
- Ryan Engstrom, Ph.D., San Diego State University, 2005, Associate Professor of Geography — Physical Geography, Remote Sensing*
- Deepak Gopalakrishna, M.S. in Civil Engineering, Ohio State University, Professorial Lecturer of Geography — Transportation Planning and Policy, Transit Operations*
- Melissa Keeley, Ph. D., Technical University of Berlin, 2007, Assistant Professor of Geography — Urban Environmental Geography, Green Infrastructure, Environmental Policy*
- Michael Mann, Ph.D., Boston University, 2011, Assistant Professor of Geography — Spatial Modeling and Prediction, Land Use Change, Wildfire, and Agriculture*
- Lawrence Marcus, M.A., Indiana University, 1986, Assistant Professorial Lecturer of Geography — Urban Planning, Transportation*
- Lindsay Naylor, Ph.D., University of Oregon, 2014, Visiting Professor of Geography — Latin America, Food Policy, Political Ecology*
- Marie D. Price, Ph.D., Syracuse University, 1991, Professor — Political, Cultural, Population, Latin America*
- David R. Rain, Ph.D., Pennsylvania State University, 1997, Associate Professor of Geography — Urban, Development, Sub-Saharan Africa, Geographic Information Systems*
- Wesley Reisser, Ph.D., UCLA, 2009, Professorial Lecturer in Geography — Political Geography, Energy*
- Nikolay Shiklomanov, Ph.D., University of Delaware, 2001, Associate Professor of Geography — Arctic Environments and Permafrost, Spatial Analysis, Geomorphology, Climate Change*
- Nathan Smith, M.A., Virginia Polytechnic Institute and State University, 2009, Lecturer of Geography — Geospatial Information Sciences, Emergency Management, Urban and Regional Planning*
- Patricia Solis, Ph.D., University of Iowa, 2002, Assistant Professorial Lecturer of Geography — Environment and Development, Critical Spatial Analysis, Latin America*
- Dmitry Streletskiy, Ph.D., University of Delaware, 2010, Assistant Professor of Geography — Climate Change, Arctic Environments, Geography of Russia, Periglacial Geomorphology, and GIS*
- Kaitlin Yarnall, M.A., The George Washington University, 2008, Lecturer of Geography — Geovisualization and Cartography*
- Qin Yu, Ph.D., University of Virginia, 2012, Professorial Lecturer of Geography — Arctic Environments and Remote Sensing*

TECHNICAL STAFF:

- Richard Hinton, MGIS, Pennsylvania State University, 2014, Lecturer of Geography — Cartography, Geographic Information Systems, and Geospatial Analysis*

EMERITI:

John C. Lowe, Ph.D., Clark University, 1969 — Urban and Transportation Geography

Dorn C. McGrath, Jr., MCP, Harvard University, 1959, Professor — Urban and Regional Planning, Latin America, Transportation

ASSOCIATION OF AMERICAN GEOGRAPHERS

DATE FOUNDED: 1904

EXECUTIVE DIRECTOR: Douglas Richardson

FOR MORE INFORMATION WRITE TO: AAG, 1710 Sixteenth Street NW, Washington, DC 20009-3198. Voice 202-234-1450. Fax 202-234-2744. Email: gaia@aag.org. <http://www.aag.org>.

PROGRAMS: The Association of American Geographers (AAG) was founded to promote and encourage geographic research and education and to disseminate research findings. The AAG currently counts over 10,000 members in the United States, Canada, and other countries. AAG members work, teach, and conduct research at colleges, universities, and in business and government. Many others are independent scholars or students.

The Association accomplishes its goals by publishing its three quarterly journals, the *Annals of the Association of American Geographers*, the *AAG Review of Books* and *The Professional Geographer*, and the monthly *AAG Newsletter*; through outreach and educational programs; through research grants and contracts with government agencies; through the programs of its nine regional divisions, sixty-two specialty groups, and five affinity groups; and through multiple conferences and its annual meetings. At its most recent annual meeting in Tampa, FL in April 2014, over 4,500 research papers, posters, and illustrated papers were presented on numerous topics by the approximately 6,000 geographers who attended. The AAG's 2015 Annual Meeting will be held from April 21-25, 2015 in Chicago, IL. Professor Julie Winkler of Michigan State University currently serves as president of the AAG. Professor Mona Domosh of Dartmouth College is vice president. Professor Eric Sheppard of the University of California Los Angeles is immediate past president. Additional details regarding AAG history and operations are contained in the handbook section of this volume.

STAFF:

Leanne Abraham, Research Assistant
David Coronado, Communications Director
Ed Ferguson, Director of Administration
Niem Huynh, Senior Researcher
Oscar Larson, Conference Director
Miranda Lecea, Journals Managing Editor
Michelle Ledoux, Membership Director
Candice Luebbering, Senior Research Geographer
Robin Maier, Journals Production Editor
Candida Mannozi, Senior Manager of Program Development
Teri Martin, Director of Finance
Astrid Ng, Special Projects Coordinator
Reacha O'Neal, Administrative Assistant
Greg Osburn, Information Technology Manager
Becky Pendergast, Director of Design and Digital Products
Daniel Phillips, Research Assistant
Mark Revell, Research Assistant, AAG Guide Editor
Douglas Richardson, Executive Director
Michael Solem, Director of Educational Affairs
Patricia Solís, Director of Outreach and Strategic Initiatives
Yonette Thomas, Senior Researcher
John Wertman, Senior Program Manager for Government Relations
Marcela Zeballos, Research Assistant

NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION

DATE FOUNDED: 1915

DIRECTOR OF OPERATIONS: Zachary R. Dulli

DIRECTOR OF EDUCATIONAL AFFAIRS: Jacqueline L. Waite

FOR FURTHER INFORMATION ABOUT NCGE PLEASE

CONTACT: The National Council For Geographic Education, 1101 14TH Street, NW, Suite 350 Washington, D.C. 20005. Telephone: 202-216-0942. Fax: 202-618-6249. E-mail: ncge@ncge.org Internet: www.ncge.org

PROGRAMS AND RESEARCH FACILITIES: The NCGE works to enhance the status and quality of geography teaching and learning. To meet its mission, the NCGE: promotes the importance and value of geographic education; enhances the preparation of geographic educators with respect to their knowledge of content, techniques, and learning processes; facilitates communication among teachers of geography; encourages and supports research on geographic education; develops, publishes, and promotes the use of curriculum, resource, and learning materials; cooperates with other organizations that have similar goals.

STAFF:

Zachary R. Dulli, Director of Operations
Jacqueline L. Waite, Director of Educational Affairs
Barbaree Ash Duke, Webinar Manager
Hanna Duke, Staff Accountant

OFFICERS:

Eric Fournier, Board Chairman (2014)
Paul T. Gray Jr., Past-President (2014)
Ellen J. Foster, Vice President of Curriculum and Instruction
Howard Johnson, Vice President of Finance
Richard B. Schultz, Vice President of Publications and Products
Susan E. Hume, Vice President of Research
Gary M. Gress, Vice President of External Relations
Ellen J. Foster, Recording Secretary
Osa E. Brand, Director of Educational Outreach

EDITOR, JOURNAL OF GEOGRAPHY:

Jerry T. Mitchell

EDITOR, THE GEOGRAPHY TEACHER:

Jody Smothers Marcello

PATHWAYS PUBLICATION SERIES: (Partial List)

Bauman, Paul R., 2004. *The American Landscape from the Air: Studying US Geography with Aerial Photography*
 Bednarz, Robert S. (Editor), 2004. *A Teacher's Guide to Advanced Placement Geography: Essays, Strategies, and Resources*
 Bock, Judith A., 2004. *Grades 5-8 Standards Based Lesson Models*
 DeChano, Lisa and Shelley, Fred, 2006. *Teaching Geography Through Sports*
 Elbow, Gary (Editor), 2004. *Teaching Human Geography: Selections from the Journal of Geography*
 Fraser, Celeste, 2002. *Grades K-4 Standards Based Lesson Models*
 Gersmehl, Phil., 1996. *The Language of Maps*
 Lockwood, Catherine M. (Editor), 2004. *Focus on Human Geography: Readings for Students from Focus Magazine*
 Marcello, Jody S., 2007. *Teaching Map Skills: An Inductive Approach*
 Mowell, Barry D. (Editor), 2006. *Teaching About the Islamic World*
 Rice, G.H. and Bulman, T.L., 2001. *Fieldwork in the Geography Curriculum: Filling the Rhetoric-Reality Gap*
 Walk, Fred, 2003. *Grades 9-12 Standards Based Lesson Models*

APPLIED TEACHING MATERIALS (ATMS) AND APPLIED RESEARCH MATERIALS (ARMS) PUBLICATION SERIES:

Marcello, Jody S., 2011. *AP Human Geography*
Thomson, Herb, 2011. *A Geographic View of World History*

OTHER PUBLICATIONS:

Stuart Sinton, Diana, 2013, *The People's Guide to Spatial Thinking*
Elbow, Gary S., Rutherford, David J. and Shearer, Christopher
(Editors) *Geographic Literacy in the United States: Challenges and Opportunities in the NCLB Era*

The National Council for Geographic Education is the outlet for *Geography for Life: National Geography Standards (2012)* on behalf of the Geographic Education National Implementation Project (GENIP).

U.S. DEPARTMENT OF STATE

OFFICE OF THE GEOGRAPHER AND GLOBAL ISSUES

DATE FOUNDED: 1929

DIRECTOR: Lee R. Schwartz, The Geographer, U.S. Department of State

FOR FURTHER INFORMATION ABOUT CAREER OPPORTUNITIES AND APPLICATIONS PROCEDURES

CONTACT: Personnel Officer, Bureau of Intelligence and Research, INR/EX/HR, Room 6880, Department of State, Washington, D.C. 20520-6510. Telephone (202) 647-1988. Fax (202) 647-0504.

PROGRAMS AND RESEARCH FACILITIES: The Office of the Geographer and Global Issues carries out current research and analysis of international geographic issues of interest to senior U.S. policy makers. Areas of research include international boundaries, territorial and maritime issues, population growth problems and policies, international migration, refugee flows, national asylum and immigration policies, transboundary environmental and public health problems, humanitarian relief concerns, war crimes, and issues involving the United Nations and other international organizations.

BASIC QUALIFICATIONS: Analytical positions for geographers are available infrequently. Specific job requirements will determine qualifications but a graduate degree in Geography, foreign language, and excellent writing skills are recommended.

STAFF:

Lee R. Schwartz, Ph.D. Columbia, 1986, Office Director, Geographer — political and population geography, former Soviet Union/Eastern Europe, complex emergencies, refugees, human rights, crisis mapping, geospatial sciences for sustainable development, applied imagery analysis, and international diplomacy

Iain Crawford, M.P.A. Carleton University, 2011; B.A. Political Studies and GIS, Queen's University, 2008 — Cartographer, Geographic Information Unit

David Dee, B.A. Geography, Indiana University of Pennsylvania, 1986 — Cartographer

Leo Dillon, M.S. Geography, University of South Carolina, 1984 — Cartographer and Chief of the Geographic Information Unit, foreign geographic names

Frederick L. Faithful, MA Public Administration, Central Michigan University, 1974, BA History, Bowling Green State University, 1972 — Director, National Geospatial-Intelligence Agency Support Team

Christine Fellenz, B.A., University of Wisconsin-Parkside, 1996 — Cartographer, Humanitarian Information Unit

Denise A. Filkins, B.S. Geology, University of Kansas, 1981 — Geographic Information Unit, National Geospatial-Intelligence Agency Support Team, Geospatial Intelligence Analyst

Tom J. Gertin, M.S. Geoinformatics and Geospatial Intelligence, George Mason University, 2012; B.A. Public and Urban Affairs, Virginia Polytechnic Institute and State University, 2007 — Geospatial Analyst, Humanitarian Information Unit

David Grimes, MA Public and International Affairs, University of Pittsburgh, 2005; BA Political Science, John Carroll University, 2003 — Humanitarian Information Unit, National Geospatial-Intelligence Agency Support Team

Jessica J. Gutierrez, M.S. American Public University System, 2013 — Humanitarian Research Specialist, Humanitarian Information Unit

Nathan J. Heard, Ph.D., 2009 and MSc., 2003 Harvard School of Public Health; B.A. Connecticut College, 1995 — Humanitarian Information Unit, Public Health Analyst, medical geography and HIV/AIDS

C. Sherry Hong, Foreign Service Officer. B.A. Public Policy Studies, University of Chicago, 1998; M.S. Environmental Management and Science, Department of Civil and Environmental Engineering, Carnegie Mellon University, 2012 — Chief, Multilateral and Transnational Issues Division

Cesse Ip, M.A. Mathematics, Saint Louis University, 2008; B.S. Math Education, University of Missouri, 2006 — Geographic Information Unit, National Geospatial-Intelligence Agency Support Team, Geospatial Analyst

Lucas E. Keene, B.A. George Washington University, 2006 — Humanitarian Affairs Analyst-Middle East/Asia, Humanitarian Information Unit

Dennis J. King, M.S. Columbia University, 1983 — Humanitarian Information Unit-Senior Humanitarian Analyst

George J. Krakie, MS National Strategy, National War College, 2008, MS Aeronautical Science, Embry-Riddle Aeronautical University, 1995, BA Political Science and International Relations, Boston University 1986 — Office of the Geographer, National Geospatial-Intelligence Agency Support Team

David H. Linthicum, M.A. University of Kansas, 1984; B.S. University of MD — International boundary delineation

Paulette Lloyd, Ph.D., University of California, Los Angeles, 2005, — AAAS Diplomacy Security and Development Fellow, Trafficking in Persons, global women's issues, atrocity prevention

Melissa D. Martz, M.A. in International Relations, Johns Hopkins University, 2010; B.A. in History, University of Virginia, 2006 — Executive Officer, NGA Support Team to U.S. Department of State

Andrew Marx, Ph. D. University of Maryland, 2013; Master of City Planning, University of California, Berkeley, 2005; M.A. in humanities, California State University, Dominguez Hills, 2002; B.S., US Air Force Academy, 1997 — Analyst, Geographer, Complex Humanitarian Emergencies, Reconstruction and Stabilization, Civil-Military relations

Ryan A McClelland, Marine Captain, M.S., National Intelligence University, 2013; B.A., University of California at Davis, 2007, — Global Stability Analyst, conflict and stabilization operations

Timothy McEniry-Roschke, LL.M in International Criminal Law, Irish Center for Human Rights, NUI Galway, 2007; M.Phil., Trinity College Dublin, 2006; B.S. in Mathematics, Loyola Marymount University, 2003 — Franklin Fellow, Analyst, war crimes, human rights, humanitarian affairs

Mariah Mercer, M.A. Australian National University, 2011; B.A. Miami University, 2003 — Analyst, Human Rights, Women's Issues, and Democracy

Michael D. Morin, M.A. George Washington University, 1987; B.A. University of Maine-Orono, 1984 — Foreign Affairs Research Analyst, war crimes issues, transitional justice issues

Jimmy Nerantzis, B.S. Geography/ Cartography, University of Maryland, 1987 — Marine Geographer and Maritime Boundary Analyst, National Geospatial-Intelligence Agency (NGA); Joint Duty Assignment at Department of State; Foreign Affairs Research Analyst, international maritime boundary and sovereignty issues

Erika K. Nunez, B.A. Global Studies and Peace, War, and Defense, University of North Carolina at Chapel Hill, 2013 — Humanitarian Researcher, Humanitarian Information Unit

Karen L. Puschus, B. S. Chemistry, University of Florida, 1990 — U. S. Army Civil Affairs Representative to the Humanitarian Information Unit

Rachel L Sauer, J.D. and graduate certificate in Human Rights University of Connecticut School of Law, 2010; B.A. Political Science and International Studies University of Illinois, 2007 — Analyst - International Organizations; Atrocities Prevention Board

Erin Sawyer, DOS Foreign Service Officer. B.A. Swarthmore College (1993), M.A. and J.D. Stanford University (1995, 1998) — Acting Chief, Humanitarian Information Unit

Rod Schoonover, PhD Chemical Physics, University of Michigan, 1993; B.S. Chemistry, B.S. Physics, University of Kansas, 1987 — Science and Technology Analyst

Karen A. Tokarsky, M.A. Clinical Psychology, Marshall University, 1985; B.S. Psychology, Indiana University of Pennsylvania, 1983 — Administrative Assistant to the Geographer

Gary W. Tripmacher, M.A. in International Affairs, George Washington University 2009; B.A. in History, Boston College 2002 — Analyst - UN, International Organizations

Benson Funk Wilder, M.A. Geography, University of Colorado at Boulder, 2006; B.A. Biology, Swarthmore College, 1999 — Analyst, Humanitarian Information Unit

FLORIDA

FLORIDA ATLANTIC UNIVERSITY

DEPARTMENT OF GEOSCIENCES

DATE FOUNDED: Geography 1964; Geology 1973;
Combined 1996

GRADUATE PROGRAM FOUNDED: Geography 1972;
Geology 1991; Geosciences 2009

DEGREES OFFERED: Geography-B.A., B.S., M.A.;
Geology-B.A., B.S., M.S.; Geosciences –Ph.D.

GRANTED 6/1/13-5/31/14: Geography: 23 Bachelors, 1
Masters; Geology: 18 Bachelors, 2 Masters; 2
Doctoral

STUDENTS IN RESIDENCE: Geography: 58 Majors, 11
Masters; Geology: 76 Majors, 11 Masters; 28
Doctoral

CHAIR: Charles E. Roberts (Interim)

DEPARTMENT ADMINISTRATIVE ASST: Susan L.
Prince

**FOR GRADUATE CATALOG AND FURTHER
INFORMATION WRITE TO:** Charles E. Roberts, Graduate
Program Advisor, Department of Geosciences, Florida Atlantic
University, 777 Glades Road, Boca Raton, FL 33431. Telephone 561-
297-3254. E-mail: croberts@fau.edu. Internet:
www.geosciences.fau.edu.

PROGRAMS AND RESEARCH FACILITIES: The department offers bachelors and masters degrees in geography and in geology, a doctoral degree in geosciences and participates in a cross-disciplinary undergraduate environmental studies certificate program and masters degree in environmental science.

UNDERGRADUATE: The undergraduate program focuses on human-environmental interactions, earth systems science and GIScience. Fieldwork and other applied techniques are emphasized in all tracts.

GRADUATE: The masters program in Geography allows specializations in human-environmental interactions, earth systems science and GIScience. The Ph.D. degree in Geosciences allows specializations in Hydrology and Water Resources, Urban Land Use in Sustainability, and Cultural and Spatial Ecology. See Faculty specializations below for more information. The department has several well-equipped computer labs for GIS digital image analysis and hydrogeological modeling. ARCGIS, GEOMEDIAPRO, IMAGINE, SPSS, SAS, VISUAL MODFLOW, FLOTRANS, AQUIFERTEST, SURFER, HEC, and other standard analysis and display packages are among the programs available in the department.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Admission to the lower division (freshman/sophomore standing) is competitive. Admission to the upper division (junior/ senior standing) for transfer students requires an Associate of Arts degree or equivalent coursework and a minimum cumulative GPA of 2.0 on a four point system.

GRADUATE: A GRE score of 146 verbal and 144 quantitative and an upper division GPA of 3.0 are recommended for admission. A limited number of competitive graduate assistantships are available, with a stipend plus a waiver of 100% of tuition, excluding matriculation fees. The master's programs require the completion of a minimum of 30 semester credit hours in the thesis tracks of department and cognate approved coursework. The Ph.D. degree requires 90 credits past the bachelors degree or 60 credits beyond the M.A./M.S. degree.

FACULTY:

Leonard Berry, Ph.D., Bristol, 1969, Professor and Director of the Florida Center for Environmental Studies — environmental studies, Africa

Xavier Comas, Ph.D., Rutgers, 2005, Associate Professor — geophysics

Maria Fadiman, Ph.D., Texas-Austin, 2003, Assistant Professor — ethnobotany, Latin America

James Gammack-Clark, M.A., Florida Atlantic, 2001, Instructor — GIS, remote sensing, field methods

Tobin K. Hindle, Ph.D., Florida Atlantic, 2006, Assistant Scientist — environmental studies, GIS, restoration ecology

Russell L. Ivy, Ph.D., Florida, 1992, Professor and Interim Dean of the Charles E. Schmidt College of Science — urban, tourism, transportation

Scott H. Markwith, Ph.D., Georgia, 2007, Associate Professor — biogeography

Anton Oleinik, Ph.D., Purdue, 1998, Associate Professor — stratigraphy, sedimentology, paleoclimatology

Edward Petuck, Ph.D., Miami, 1980, Professor — paleontology, oceanography

Charles E. Roberts, Ph.D., Pennsylvania State, 1991, Associate Professor — remote sensing, GIS, urban land use

Tiffany Roberts, Ph.D. South Florida, 2012, Assistant Professor — coastal morphodynamics

Tara Root, Ph.D., Wisconsin-Madison, 2005, Associate Professor — hydrology, engineering geology

David Warburton, Ph.D., Chicago, 1978, Associate Professor — environmental geochemistry

Zhixiao Xie, Ph.D., SUNY Buffalo, 2002, Associate Professor — GIS, remote sensing, environmental modeling

Zhang, Caiyun, Ph.D., Texas-Dallas, 2010, Assistant Professor —
Hyperspectral Remote Sensing

FLORIDA INTERNATIONAL UNIVERSITY

DEPARTMENT OF GLOBAL AND SOCIOCULTURAL STUDIES

DATE FOUNDED: 2008

DEGREES OFFERED: B.A. Geography; B.A.

**Sociology/Anthropology; M.A. and Ph.D. Global and
Sociocultural Studies**

GRANTED 2012-2013: 13 B.A. Geography; 123 B.A.

Sociology/Anthropology; 4 M.A. GSS; 4 Ph.D. GSS

MAJORS: 22 (Geography B.A.); 429

(Sociology/Anthropology); 67 (GSS Ph.D.)

HEAD: Roderick Neumann

DEPARTMENT OFFICE MANAGER: Joannette Brookes

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Global and Sociocultural Studies, SIPA 340,
Modesto Maidique Campus, Florida International University, Miami,
FL 33199. Telephone (305) 348-2247. Fax (305) 348-3605. E-mail:
jbrookes@fiu.edu. Internet: <http://gss.fiu.edu/>

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The geography Bachelor of Arts degree program
at FIU offers students the opportunity to develop knowledge and skills
in economic and cultural geography, development, gender and
international studies, GIS, and political ecology. The department has
strong regional expertise in Latin America, the Caribbean, Africa, the
Middle East, and North America.

GRADUATE: The graduate program in Global and Sociocultural
Studies is a core department in FIU's School of International and
Public Affairs - integrates the disciplinary approaches of geography,
anthropology, and sociology with cross-disciplinary theorizing and
research. The M.A. and Ph.D. curricula are organized by three
intersecting themes: Identities & Inequalities; Migrations &
Diasporas; and Nature-Society. Disciplinary concentration in
Geography is an option for the Ph.D. as are graduate certificate
programs in GIS and Sustainable Communities, among others.
Facilities: The Department is located in the new School of
International and Public Affairs building situated in the heart of the
campus. The building features state-of-the-art classrooms, faculty
offices, a graduate student office suite, 500-seat auditorium with
simultaneous translation booths, language lab, and a GIS and data
processing lab. In addition, students have access to the university's
state-of-the-art GIS facility.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate admissions requirements are the
same as those for admission to the College of Arts and Sciences.
Geography majors are required to complete two lower division
geography courses as program prerequisites. The degree requires 30
credits for completion. Students are encouraged to pursue double
majors, minors, and certification in related fields of study. Graduate
admissions are submitted on-line through the University Graduate
School, <http://gradschool.fiu.edu/>. In addition, a separate statement of
purpose and three letters of recommendation should be sent directly to
the department. Please see the Department's web pages for further
information. Graduate students may apply for teaching assistantships
(stipend plus tuition waiver) and several on-campus fellowships.

FACULTY:

Jerald B. Brown, PhD, Cornell, 1972, Associate Professor [ANT] —
cultural ecology, psychological anthropology, public policy;
Latin America

Peter Craumer PhD, Columbia, 1988, Associate Professor [GEO] —
Russia and former Soviet Union, rural geography, agriculture,
and population change

Juliet Erazo PhD, Michigan, 2003, Associate Professor [ANT] —
indigenous social movements, globalization, environmental
anthropology, political ecology; Amazonia, The Andes, Ecuador

Christopher Girard PhD, Wisconsin, 1988, Associate Professor
[SOC] — research Methods, deviance, medical sociology, social
problem, stratification

Hugh Gladwin, PhD, Stanford, 1970, Associate Professor [ANT] —
economic and cognitive anthropology, public opinion research,
research methods; West Africa, Mesoamerica

Ricardo Gonzalez, PhD, Hawaii, 2008, Instructor [GEO] —
Coastal/Marine Geography, Political Ecology, Cultural
Geography, Latin America, Caribbean, Europe

Guillermo Grenier, PhD, New Mexico, 1986, Professor [SOC] —
Labor relations, sociology of work, ethnicity, immigration;
United States, Latin America

Gail Hollander, PhD, Iowa, 1999 Associate Professor [GEO] —
economic geography, agro-environmental conflict, food system
theory, feminist geography; North America and the Caribbean

A. Douglas Kincaid, PhD, Johns Hopkins, 1987, Associate Professor
[SOC] — political sociology, urban/rural sociology, sociology
of development; Central America, Latin America

Qing Lai, PhD, Michigan, 2014, Assistant Professor [SOC] —
Quantitative methods, demography, life course, social
stratification and inequalities, globalization, development,
China, social psychology

Abraham Lavender, PhD, Maryland, 1972, Professor [SOC] —
ethnicity and minority groups, social deviance, human sexuality,
urban sociology; South Florida

Kathy Lineberger, PhD, Colorado, 2009, Instructor [SOC]

Shearon Lowery, PhD, Washington State, 1979 Associate Professor
[SOC] — social deviance, mass communications, juvenile
delinquency, criminology

Sarah Mahler, PhD, Columbia, 1992 Associate Professor [ANT] —
urban anthropology, cultural anthropology, physical
anthropology; Latin America, Caribbean, North America

Matthew Marr, PhD, UCLA, 2007, Assistant Professor [SOC] —
urban sociology, Japanese society, qualitative research methods,
globalization, poverty, public sociology; Japan, United States

Roderick Neumann, PhD, UC Berkeley, 1992, Professor [GEO] —
political ecology, landscape and identity, nature-society, social
theory, Africa; Europe

Jeff Onsted, Ph.D., UC Santa Barbara, 2007, Associate Professor
[GEO] — land use, remote sensing, GIS

Ulrich Oslender, Ph.D., U of Glasgow, 2001, Associate Professor
[GEO] — political geography, political ecology, social
movements, Latin America, forced displacement, geopolitical
discourses on terror

Vrushali Patil, PhD, Maryland, 2006, Associate Professor [SOC] —
gender, sexuality, culture, transnationalism, feminist theory

Marifeli Perez-Stable, PhD, SUNY, 1985 Professor [SOC] — political
sociology, economics and society; Cuba

Patricia Price, PhD, Washington, 1997, Professor [GEO] — gender,
urbanization and development, geography and social theory;
Latin America

Andrea Queeley, Ph.D., CUNY, 2007, Assistant Professor [ANT] —
cultural anthropology, African diaspora studies, the Caribbean

Jean Rahier, PhD, University of Paris, 1994, Professor [ANT] — race
relations, African studies; Africa, Latin America

Derrick Scott, PhD, Maryland, 2012, Instructor [GEO] — GIS, Urban
Geography, Geo-Economics/Politics, Housing issues, New-
Urbanism, Smart Growth, Areas; West Indies, US Cities, Sub-
Saharan Africa

Benjamin Smith, PhD, Kentucky, 2008, Assistant Professor [GEO] — cultural landscapes, economic geographies, urban geographies, contemporary Persian Gulf

Jason Ritchie, PhD, Illinois, C-U, 2010, Assistant Professor [ANT] — Race, Gender, and Sexuality; Sovereignty, Biopolitics, and the Nation-State; Secularism, Religiosity, and Affect; Queer Theory; Islam, the Middle East, and Israel-Palestine

Alex Stepick, PhD, UC Irvine, 1974, Professor [ANT] — research methods, immigration and refugee problems; Haiti, Mexico, United States

Richard Tardanico, PhD, Johns Hopkins, 1979, Associate Professor [SOC] — political economy of development, urban sociology; Latin America

Dennis Wiedman, PhD, Oklahoma, 1979, Clinical Associate Professor [ANT] — medical anthropology, organizational culture, environment anthropology, urban anthropology, ethnohistorical research methods, applied anthropology; Native Americans

Bin Xu, PhD, Northwestern, 2011, Assistant Professor [SOC] — Cultural Sociology, Political Sociology, Social Theory, Politics of Morality, Collective Memory, Disaster, East Asia, China

FLORIDA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1925

GRADUATE PROGRAMS FOUNDED: M.A. 1930, Ph.D. 1995, M.S. GIScience 2006

DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.

GRANTED 8/31/2003-8/31/14: 28 M.A., 112 M.S. 41 Ph.D. STUDENTS IN RESIDENCE: 247 Majors, 54 Masters, 28 Ph.D.

CHAIR: Victor Mesev

GRADUATE DIRECTOR: Tingting Zhao

DEPARTMENT ADMINISTRATIVE ASST: Audrey Nichols

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Graduate Director, Dr. Tingting Zhao (850-645-8198, tzhao@fsu.edu). Undergraduate Advisor, Ms. Lesley Jamison (850-644-8382, ljamison@fsu.edu) at the Department of Geography, 323 Bellamy Building, 113 Collegiate Loop, Florida State University, Tallahassee, Florida 32306-2190. Tel: (850) 644-1706. Fax: (850) 644-5913. www.fsu.edu/~geog.

PROGRAMS AND RESEARCH FACILITIES: Geography at Florida State University emphasizes the intellectual and technical advances of all aspects of geography, but focuses on four major areas: Cities and Mobilities, Hurricanes and Climate Change, Urban Remote Sensing, and Space-Time & Visualization. All are underscored by geospatial science and environmental analysis. Geospatial science encompasses GIS, remote sensing, spatial statistics, and cartography, and recent research includes land use modeling, image classification, transportation optimization, regionalization, time series, network analysis, climate change models, space/time models, dasymetric models, neural nets, Bayesian probabilities, landscape dynamics, fractal geometry, and scale dependence. Environmental analysis encompasses the human-natural landscape interaction by examining the social costs and physical impacts of hurricanes and tornadoes, change impacts on biodiversity and ecosystem functions, flood frequency, coastal ecosystems, energy consumption, environmental health and justice, waste management, urban political ecology, population vulnerability, and policies for resource management. The undergraduate program includes the Geography major consisting of 34 semester hours, and the interdisciplinary Environmental Studies major requiring 41 semester hours. For the master's program with the thesis option, students must complete at least 30 semester hours, including

24 hours of course work and 6 hours of thesis (which must be defended orally). A non-thesis option requires 33 semester hours of coursework. A Masters program is also available in GIScience with 26 taught credit hours and 6 internship/project hours, may be completed within one academic year. Research and teaching is conducted in two fully-equipped and purpose-built GIS labs with all major GIS and remote sensing proprietary software and dedicated GIS teaching assistants. The Ph.D. degree requires courses in geographic philosophy, research methods, and professional development. Written and oral comprehensive examinations must be passed. The dissertation requires 24 credit hours as well as an oral defense upon completion. Recent Ph.D. recipients have been placed in academic positions, state/federal environmental offices, and private software companies. The Department also enjoys productive relationships with institutions such as, Florida Resources and Environmental Analysis Center, Institute for Government, Fish and Wildlife Conservation Commission, Department of Transport, USDA Forest Service, National Parks, and Tallahassee-Leon County GIS.

ADMISSION REQUIREMENTS AND FINANCIAL AID:

Graduate Admission requires a minimum GPA of 3.0 and/or a GRE score of 1,000. Non-native English speakers need a TOEFL of 550 (PBT) or 80 (IBT). Funding for graduate assistantships is available at the current rate of \$16,000-\$20,000 per academic year, plus tuition waiver. Other sources of funding include research assistantships, university fellowships, online mentoring, and internships with local state institutions.

FACULTY:

Ronald Doel, Ph.D., Princeton, 1990, Associate Professor of History — environmental history, international relations, Arctic

James Elsner, Ph.D., Wisconsin-Milwaukee, 1988, Earl B. and Sophia H. Shaw Professor — hurricanes, tornadoes, spatial statistics, climatology

David Folch, Ph.D., Arizona State, 2012, Assistant Professor — GIS, geocomputation, spatial analysis, urban geography

Mark Horner, Ph.D., Ohio State, 2002, Professor — GIS, transportation, spatial analysis, urban geography

Mary Lawhon, Ph.D., Clark, 2011, Assistant Professor — political geography, urban political ecology, waste, African urbanism

Victor Mesev, Ph.D., Bristol, England, 1995, Professor & Chair — GIS, remote sensing, cartography, urban geography

Patrick O'Sullivan, Ph.D., London School of Economics, 1967, Professor Emeritus — military, Europe, Britain & Ireland

Stephanie Pau, Ph.D., UCLA, 2009, Assistant Professor — biogeography, remote sensing, tropical forests, c4 grasses, climate change

Joseph Pierce, Ph.D., Clark, 2011, Assistant Professor — urban geography, political geography, urban sustainability, qualitative methods

Christopher Uejio, Ph.D., Wisconsin-Madison, 2011, Assistant Professor — public health, medical geography, climate change, vulnerability

Morton Winsberg, Ph.D., Florida, 1958, Professor Emeritus — climate change, religion

Xiaojun Yang, Ph.D., Georgia, 2000, Professor — remote sensing, GIS, urban ecology, coastal ecosystems

Tingting Zhao, Ph.D., Michigan, 2007, Associate Professor & Graduate Director — GIS, energy, sustainability

ADJUNCT FACULTY:

George Cole, Ph.D., Florida State, 2007 — land survey methods, GPS

Richard Miller, M.S., Wisconsin-Milwaukee — physical geography, US national parks

Laurie Molina, Ph.D., Florida State, 1997 — geographic education

Scott Weisman, M.S., Florida State, 2007 — GIS, local government

SANTA FE COLLEGE

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

DATE FOUNDED: 1966

DEGREES OFFERED: A.A., Non-Major B.S., B.A.

GRANTED 8/22/12-8/01/13: Collegewide - 81 Bachelors, 2132 Associates of Arts

CHAIR: David Tegeder

DEPARTMENT ADMINISTRATIVE ASST: Ms. Dianne Wilkinson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Heidi J. Lannon, Department of Social and Behavioral Sciences, Santa Fe College, 3000 NW83rd Street, L-250, Gainesville, FL 32606. Telephone (352) 381-7082. E-mail: heidi.lannon@sfcollege.edu. Internet: <http://www.sfcollege.edu>

PROGRAMS AND RESEARCH FACILITIES:

Associates and Bachelors degree programs are offered and Geography is part of a multidisciplinary academic unit linking social and behavioral sciences within the College. The Department of Social and Behavioral Sciences at Santa Fe College offers courses in human, physical and world regional geography in addition to the disciplines of anthropology, history, political science, sociology and psychology. Courses in geography are the core for the Certificate in International Studies at Santa Fe College. The department's overarching objective is to integrate the disciplines of geography, anthropology, history, political science, sociology and psychology to enhance the lives of the students through the understanding human and environmental interactions.

Individual emphases include the themes of: (1) applied physical geography and fieldwork; (2) regional analysis and culture; (3) study abroad programs; and (4) geographic techniques: Study abroad trips that contain geography courses include those to Ghana, Costa Rica, Ecuador, and the United Kingdom. Students can also participate in the Santa Fe College Honors Program and other concentrations/minors within the College.

The department coordinates the Seahorse Key Coastal Resources Laboratory in conjunction with the University of Florida (www.skml.clas.ufl.edu). Additionally, the department has a computer facility dedicated to Geospatial Information Sciences and has a new multi-function GIS teaching lab. The College has a natural teaching area on campus dedicated to field work. The area includes 2 sinkholes, mesic hammock, loblolly pine and scrub oak environments, as well as an area used for controlled burns. Santa Fe College has a large karst cave system, operated by the Santa Fe College Foundation, which is used for the field experience. Santa Fe College also has a teaching zoo, rock garden and planetarium that are utilized in the dissemination of geography.

The department has students active in the The Global Society and the World Travelers groups on campus. Students enrolled in the geography programs participate in a campus-wide International Studies Certificate and the Phi Theta Kappa Honors Society.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Santa Fe College is on a semester plan. Admission requirements are available from: Office of Admissions, Santa Fe College, 3000 NW 83rd Street, Building R, Gainesville, FL 32606 (<http://www.sfcollege.edu/admission/>). Financial Aid information may be obtained from the Director of Financial Aid, Santa Fe College, 3000 NW 83rd Street, Building R, Gainesville, FL 32606, (<http://www.sfcollege.edu/financialaid>).

FACULTY:

Heidi J. Lannon, Ph.D., University of Florida, 2005, Associate Professor, Honors Faculty — coastal geomorphology, study abroad programs, field work, physical geography, geomorphology, honors

Neil Devine, M.S., Rutgers University, 1988, Assistant Professor, Adjunct — sustainability, cultural geography, environmental science

Kim Feigenbaum, M.S., University of Florida, 1990, Assistant Professor, Adjunct — regional geography, Eastern Europe, geographic education

Jean Vincent, M.S., University of Nebraska at Omaha, 1986, Assistant Professor, Adjunct — cultural geography, environmental science, geographic education

Andy Nass, Ph.D., University of Florida, Assistant Professor, 1994, Adjunct — regional geography, Ecuador, environmental geography, Africa

UNIVERSITY OF FLORIDA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1941

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.A., B.S., B.S. in Environmental Geosciences, M.A., M.S., Ph.D.

GRANTED 9/1/2013-8/31/14: 71 Bachelors, 5 Masters, 7 Ph.D.

STUDENTS IN RESIDENCE: 80 Majors, 6 Masters, 36 Ph.D.

CHAIR: Michael W. Binford

DEPARTMENT ADMINISTRATIVE ASST: Desiree Price

FOR CATALOG AND FURTHER INFORMATION CONTACT:

Dr. Corene Matyas email: matyas@ufl.edu, Graduate Coordinator or Desirée Price dprice@ufl.edu, Graduate Secretary, Department of Geography, PO Box 117315, University of Florida, Gainesville, Florida 32611-7315. Telephone (352) 392-0494. Fax (352) 392-8855. WWW: <http://geog.ufl.edu/>

PROGRAMS AND RESEARCH FACILITIES:

The Department offers main areas of specialization for undergraduate training and graduate research: human-environment interactions; resource management and land-change science; medical geography, natural resources geography, Latin-American geography, and physical geography. *Human-environment interactions* includes topics such as regional ecosystem consequences of forest management, environmental and cultural effects of hydropower development on large tropical rivers, spatial economic theory; housing and care of the elderly. *Resource management and land-change science* focuses on agricultural change and natural resource conservation and development in the tropics and subtropics, and rural and urban land use and land cover change in tropical and temperate regions. Latin America and Africa are the primary areas of regional emphasis. *Medical geography* is a combination of geography and medical sciences and focuses on spatial aspects of human and animal illnesses and healthcare. *Physical geography* in the department concentrates on climatology, coastal management, fluvial geomorphology, and hydrology.

The department has state-of-the art GIS, remote sensing, and computer cartography facilities, with two fully equipped teaching laboratories, a research and teaching preparatory lab, and extensive research equipment in several individual faculty laboratories. The department is strongly tied to many other units on campus, and is one of the principal participants of several campus-wide institutes and

centers: the Center for African Studies and the Center for African Studies, the Land Use and Environmental Change Institute; the Emerging Pathogens Institute, the Climate Institute, the Water Institute. Many faculty members in the department are also appointed to the faculty of the virtual School of Natural Resources and Environment (SNRE).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The academic year consists of two semesters and two summer sessions. Admission to the Graduate School requires the completion of a baccalaureate degree from an accredited college, a B average or better (or its equivalent), a minimum GRE verbal score of 140 (new scale), three letters of recommendation, and a Statement of Purpose. Foreign students whose first language is not English are required to obtain satisfactory scores (IELTS: 6. MELAB: 77. TOEFL (Internet-Based): 80. TOEFL (Paper-Based): 550). The Fall semester at the University of Florida generally begins around August 20, and the Spring semester begins around January 5 (see University website for exact dates). Applicants for the M.A. or Ph.D. degrees will be considered irrespective of their previous specialization in the physical and social sciences and humanities. Deficiencies in undergraduate coursework in geography may be corrected concurrently with registration in appropriate graduate level courses.

The Department of Geography and the University of Florida offer various types of financial support for qualified graduate students. Teaching assistantships are awarded on a competitive basis for the nine-month academic year and for the two summer semesters. Waivers for out-of-state tuition are included. Stipends begin at about \$15,660 plus tuition waiver for the nine month academic year and at about \$2,036 for a 6-week summer semester. A limited number of fellowship awards for highly qualified applicants may carry stipends of \$20,000. Research assistantships for the nine-month academic year and the summer semesters are also sometimes available from faculty members seeking assistance on grant-supported research projects. Research assistantship stipends are determined by the individual faculty member. NDEA Title VI Fellowships may be available for students interested in Latin American or African studies. *Applications for teaching and research assistantships for the Fall Semester should be submitted by January 31.*

The University also awards on a competitive basis a number of fellowships and scholarships for which new geography graduate students are often eligible. For example, doctoral applicants with GREs higher than 1300 and grade point averages (GPAs) of 3.7 or higher may qualify for the Graduate School Fellowship awards (\$20,000/two semesters). Other fellowships and supplemental awards are also available from the department or other units of the university. (Candidates should check university website for current information on financial aid and awards.) *Applications considered for most of these awards should be submitted by January 31.*

All information about applying to the graduate program can be found at <http://geog.ufl.edu/programs/grad/admissions/>. The online Graduate Catalog is found at <http://gradcatalog.ufl.edu/>. Other inquiries should be directed to the Graduate School, Grinter Hall, University of Florida, Gainesville, Florida 32611.

FACULTY:

Michael W. Binford, Ph.D., Indiana, 1980, Professor — land-water interactions, human-environment interactions, GIS and remote sensing in environmental systems, paleoecology, tropical and subtropical Americas, southern and east Africa, Southeast Asia
Jason K. Blackburn, Ph.D. Louisiana State University, 2006, Assistant Professor — medical geography, spatial aspects of zoonotic diseases, species distribution modeling, central Asia, North America, southern Africa

Brian Child, D.Phil, University of Oxford, 1988, Associate Professor — community based natural resource management, human-environment interactions, southern Africa
Timothy J. Fik, Ph.D., Arizona, 1989, Associate Professor — economic, urban, quantitative methods
Gregory E. Glass, Ph.D., Kansas, 1983, Professor (beginning August 2014) — medical, biogeography, human-environment interactions, zoonotic and insect-borne diseases, biological threat reduction programs
Stephen M. Golant, Ph.D., Washington, 1972, Professor — social, behavioral, social gerontology, urban
Abraham C. Goldman, Ph.D., Clark, 1986, Associate Professor — tropical agriculture and land use, Africa, resources and conservation
Liang Mao, Ph.D., State University of New York at Buffalo, 2010, Assistant Professor — medical, spatial modeling for disease epidemics, disease control strategies, spatial/social network analysis, GIS/RS for environmental health
Barbara E. McDade, Ph.D., Texas, 1992, Assistant Professor — economic, economic development, Africa, African diaspora
Joann Mossa, Ph.D., Louisiana State, 1990, Associate Professor — fluvial geomorphology, coastal studies, soils, hydrology
Sadie J. Ryan, Ph.D., California – Berkeley, 2006, Assistant Professor (beginning August 2014) — medical, biogeography, spatial and ecological aspects of disease transmission, Africa, Antarctica, North America
Cynthia S. Simmons, Ph.D., Florida State University, 1999, Associate Professor (beginning August 2014) — human-environment interactions, political economy, political ecology, land-change science, sustainability, South America, Amazon
Jane Southworth, Ph.D., Indiana University, 2000, Assistant Professor — remote sensing of land-cover change, human dimensions of environmental change
Robert T. Walker, Ph.D. University of Pennsylvania, 1984, Professor (beginning August 2014) — nature-society studies, land-change science, geospatial analysis
Peter R. Waylen, Ph.D., McMaster, 1982, Professor — hydrology, quantitative methods, water resources

EMERITI FACULTY:

Cesar N. Caviedes, D.Sc., Freiburg, 1969, Professor and Chair — South America, environmental systems, political
Nigel J.H. Smith, Ph.D., UC, Berkeley, 1976, Professor — conservation and development of natural resources, ethnocoology, Amazonia

AFFILIATED FACULTY:

Holly Donohoe, Ph.D., Carleton University, Assistant Professor, University Librarian, and Head, Map Library — map interpretation, geographical bibliography, biotic resources
Marilyn E. Swisher, Ph.D., Florida, 1982, Associate Professor of Home Economics — tropical agriculture, women in agricultural development
Andrew Noss, Ph.D., Florida, 1995, Courtesy Assistant Professor of Geography — cultural geography, natural resource management, Africa, Latin America

UNIVERSITY OF MIAMI

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1946

DEGREES OFFERED: B.A., M.A.

GRANTED 8/22/13-5/15/14: 9 Bachelors; 4 M.A.

CHAIR: Ira M. Sheskin

DEPARTMENT ADMINISTRATIVE ASST: Mr. Alexis Fernandez

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Ira M. Sheskin, Department of Geography, University of Miami, PO Box 248067, 1300 Campo Sano, Suite 115, Coral Gables, Florida 33124. Telephone (305) 284-4087. Fax (305) 284-5430.

E-mail: isheskin@miami.edu

Internet: <http://www.miami.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography offers B.A. and M.A. degrees in Geography. The department also offers undergraduate and graduate Certificates in Geospatial Technology. The M.A. program focuses on advanced theoretical and practical applications. Students will be able to improve their analytical skills to address current issues in human and physical geography and prepare themselves for careers in academia, public service, and the private sector.

Building on research strengths within the Department, the M.A. program focuses on 3 thematic areas: (1) Development Studies, (2) Environmental Analysis, and (3) Globalization and Urban Change. For over 60 years, UM Geography has built a reputation for its research in environmental studies, urbanization, globalization issues, and demographic issues. Regional faculty expertise includes Africa, Middle East, Southeast Asia, South Asia, Latin America, and the Caribbean. The department has a state-of-the-art computer facility dedicated to GIS, remote sensing, and spatial statistics.

Students can meet all requirements of the 30-credit M.A. degree and simultaneously obtain the Graduate Certificate in Geospatial Technology.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University of Miami is on a semester plan. Admission requirements are available from (<http://www.miami.edu/grad>).

FACULTY:

Thomas D. Boswell, Ph.D., Columbia University, 1973, Senior Professor — Immigration, world population problems, ethnicity, housing segregation and discrimination • The Caribbean

Douglas O. Fuller, Ph.D., University of Maryland, 1994, Professor — Remote sensing, biological conservation, GIS and land cover change • Southeast Asia, Africa, United States

Richard Grant, Ph.D., University of Colorado, 1991, Professor — Economic geography, trade, economic globalization, urbanization in the developing world, • West Africa and India

J. Miguel Kanai, Ph.D., UCLA, 2008, Assistant Professor — urbanization and globalization, postcolonial urban theory; the spatiality of inequality; regional, city and neighborhood planning

Peter O. Muller, Ph.D., Rutgers University, 1971, Senior Professor — Suburbanization, urban structural transformation • world urbanization

Elvira Restrepo, Ph.D. Oxford University, 1999; LLM, Harvard Law School, 1990 — political geography

Shouraseni Sen Roy, Ph.D., Arizona State University, 2005, Associate Professor — climatology, rainfall, GIS, spatial analysis • South Asia

Ira Sheskin, Ph.D., Ohio State University, 1977, Professor and Chair — Ethnic geography, Jewish geography, quantitative methods, survey research • Middle East

Justin Stoler, Ph.D., San Diego State University/University of California at Santa Barbara, 2012, Assistant Professor — medical geography, population and environment, GIS, spatial analysis, West Africa

Diana Ter-Ghazaryan, Ph.D., Florida International University, 2010, Director of Certificate Programs in Geospatial Technology — Cultural geography, urban geography, qualitative and critical GIS, Former Soviet Union

GEORGIA

GEORGIA COLLEGE & STATE UNIVERSITY

DEPARTMENT OF HISTORY & GEOGRAPHY

DATE FOUNDED: 2010

DEGREES OFFERED: B. A.

GRANTED 8/22/12-8/22/13: 5 Bachelors

CHAIR: Aran MacKinnon

DEPARTMENT ADMINISTRATIVE ASST.: Amy Mimes

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Doug R. Oetter, Department of History & Geography, Georgia College CBX 120, Milledgeville, Georgia, 31061. Telephone (478) 445-5215. Fax (478) 445-4009. E-mail: doug.oetter@gcsu.edu. Internet: <http://www.gcsu.edu/history/geography/>.

PROGRAMS AND RESEARCH FACILITIES:

The Bachelor of Arts degree in Geography at Georgia College & State University was created in 2010 to serve as a general geography major in the College of Arts & Sciences at Georgia's Public Liberal Arts University. We have crafted a degree program with a balanced emphasis on Human Geography, Physical/Environmental Geography, Regional Analysis, and Geographic Techniques. Our graduates are well prepared for several careers, from geographic education to geospatial science, military service, or graduate school. As a public liberal arts university, we encourage our majors to coordinate their coursework toward minors or second majors, including history, environmental science, and political science.

Following the completion of a core curriculum requiring two physical geography and two human geography courses, students participate in a sophomore-level research seminar and complete nine courses in five major areas at the upper-level: (1) human geography; (2) physical and environmental geography; (3) regional analysis; (4) geographic techniques; and (5) senior capstone (e.g., thesis, research paper, internship, study abroad, teaching practicum, or applied study). Majors can also participate in an Honors Program and other concentrations/minors within the College. Internships designed for geography majors are available.

The department sponsors the Geography Club, and students participate in several other cross-campus and community activities.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Georgia College is on a semester plan. Admission requirements are available from: Office of Admissions, Georgia College CBX 023, Milledgeville, Georgia, 31061 (<http://www.gcsu.edu/admissions/>). Financial Aid information may be obtained from the Office of Financial Aid, Georgia College CBX 030, Milledgeville, Georgia 31061.

Internet: <http://www.gcsu.edu/financialaid/>.

FACULTY:

Chuck Fahrer, Ph.D., University of South Carolina, 2001, Associate Professor — political geography, insurgency and terrorism, geographic education, Middle East
Doug Oetter, Ph.D., Oregon State University, 2002, Professor — remote sensing, geographic information, physical geography, land cover change, South America
Amy Sumpter, Ph.D., Louisiana State University, 2008, Assistant Professor — race and ethnicity, cultural geography, American South
Jeff Blick, M.S., University of Alabama, 2000, Professor of Anthropology — paleogeography, Latin America

GEORGIA SOUTHERN UNIVERSITY

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

DATE FOUNDED: 1964

DEGREES OFFERED: B.A. and B.S. in Geology; B.A. and B.S. in Geography

GRANTED 8/1/11-6/30/13: 22 Bachelors

MAJORS: 121

CHAIR: Jeffrey Underwood

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geology and Geography, Georgia Southern University, PO Box 8149, Statesboro, Georgia 30460-8149. Telephone (912) 478-0667. Fax (912) 478-0668. Internet: <http://cosm.georgiasouthern.edu/geo/>

PROGRAM AND RESEARCH FACILITIES: The Department of Geology and Geography offers the B.S. and B.A. degrees in Geology, the B.A. and B.S. in Geography as well as undergraduate minors in geography, GIS, and geology. The geography major requires 126 semester hours, while a minor requires a minimum of 15 semester hours. The geography program offers students a broad range of courses in human, physical, and regional geography as well as GIS and remote sensing. The Geography Program is a campus leader in study abroad offerings and international research. The department plans to begin offering the MS degree in Applied Geography in fall 2015.

Georgia Southern University is a Carnegie Doctoral/Research University and is a unit of the University System of Georgia. University enrollment is more than 21,000 students. The main campus is located in Statesboro which is less than 50 miles northwest of historic Savannah and 200 miles southeast of Atlanta. The Department of Geology and Geography operates a research facility, the Applied Coastal Research Laboratory, on Skidaway Island, Georgia.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Georgia Southern University operates on the semester system. Financial aid is available to qualified students through the University's Financial Aid Office. For information concerning admission requirements, contact the Admissions Office, Georgia Southern University, PO Box 8024, Statesboro, Georgia 30460. Telephone (912) 478-5391.

FACULTY:

Christine M. Hladik, Ph.D., Georgia, 2012, Assistant Professor of Geography — remote sensing, coastal and marsh environments, modeling
Ashley R. Coles, Ph.D., Arizona, 2013, Lecturer in Geography — society-environment interactions, hazards, natural resource management

C.J. Jackson, Ph.D., Georgia, 2010, Assistant Professor of Geology — coastal geology, shoreline evolution, remote sensing
Jacque L. Kelly, Ph.D., Hawaii-Manoa, 2012, Assistant Professor of Geology — groundwater geochemistry, coastal hydrology, remote sensing
Kathlyn M. Smith, Ph.D., Michigan, 2010, Assistant Professor of Geology — paleoecology, invertebrate paleontology
James S. Reichard, Ph.D., Purdue, 1995, Professor of Geology — hydrogeology, environmental geology
Fredrick J. Rich, Ph.D., Penn State, 1979, Professor of Geology — coastal plain geomorphology, palynology, paleoecology, invertebrate paleontology
Charles H. Trupe, III, Ph.D., North Carolina, 1997, Associate Professor of Geology — structural geology, petrography
Wei Tu, Ph.D., Texas A&M, 2004, Associate Professor of Geography — GIS, economic, China, Asia
S. Jeffrey Underwood, Ph.D., Georgia, 1999, Professor of Geography and Chair — Climatology, hydrometeorology, hazards
R. Kelly Vance, Ph.D., New Mexico Tech, 1989, Associate Professor of Geology — economic geology, igneous and metamorphic petrology
John T. Van Stan, Ph.D., Delaware, 2012, Assistant Professor of Geography — forest hydrology, biogeochemical processes, field instrumentation
Mark R. Welford, Ph.D., Illinois, 1993, Professor of Geography — fluvial geomorphology, biogeography
Robert A. Yarbrough, Ph.D., Georgia, 2006, Associate Professor of Geography — immigration, population, southern United States
Xiaolu Zhou, Ph.D., Illinois, 2014, Assistant Professor of Geography — GIS, urban environments, spatiotemporal data visualization
Gale A. Bishop, Ph.D., Texas, 1971, Emeritus — paleontology, crab ecology, sea turtles
James H. Darrell, Ph.D., Louisiana State, 1973, Emeritus — paleontology, sedimentology, environmental geology
Daniel B. Good, Ph.D., Tennessee, 1973, Emeritus — cultural geography, resource conservation, historical geography
Dallas D. Rhodes, Ph.D., Syracuse, 1973, Emeritus — geomorphology, neotectonics, Holocene climate change

KENNESAW STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ANTHROPOLOGY

DATE FOUNDED: 2006

GRADUATE PROGRAM FOUNDED: N/A

DEGREES OFFERED: B.A. in Geography, B.S. in Geographic Information Science, Certificate in Geographic Information Science

GRANTED TO DATE: B.S. Geographic Information Science = 83, B.A. Geography = 52

STUDENTS IN RESIDENCE: Geographic Information Science = 104, Geography = 70

CHAIR: Susan Kirkpatrick Smith, Ph.D.

**DEPARTMENT ADMINISTRATIVE ASSISTANT:
Melissa Sullivan**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Matthew Mitchelson, Department of Geography & Anthropology, 1000 Chastain Road, MD 2203, Kennesaw State University, Kennesaw, GA, 30144-5591. Telephone (770) 423-6240. Fax (678) 797-2443. E-mail: mmitch81@kennesaw.edu. Department: <http://ga.hss.kennesaw.edu/>. University: <http://www.kennesaw.edu/>.

PROGRAMS AND RESEARCH FACILITIES: The Department offers a B.A. in Geography, a B.S. in Geographic Information Science (GISc), and a Certificate in Geographic Information Systems. The

Department is strongly focused on preparing students for a globalized world. Faculty members have worked with students in research and study programs in Argentina, Belize, Bolivia, Chile, China, Ecuador, England, France, Greece, Italy, Peru, Russia, and Spain with new programs being developed. Faculty are also actively involved with undergraduate cross-disciplinary programs and the Ph.D. in International Conflict Management.

Students who enroll in the B.A. program immerse themselves in a multifaceted and inherently interdisciplinary field that requires them to have a competency in a foreign language, and an understanding of the fundamental concepts in human geography, physical geography, and geospatial techniques. The degree is tailored to each student based on his/her educational interests and career goals, with emphases on the traditional subfields and themes of the discipline such as cultural, political, economic, urban, and regional geography, physical and environmental geography, and the study of cities and suburbs. All BA students must complete either an Internship or conduct research with a faculty member. Coursework is often complemented with both study abroad and faculty-led research opportunities. Courses in Geographic Information Systems can be taken by students seeking the B.A.

The B.S. in Geographic Information Science has a strong professional component that prepares students for employment in the GIS field. It offers students the integration of practical geospatial skills and technologies with scientific, technological and contextual knowledge. Students may select an urban systems or an environmental systems concentration. The GISc degree includes an information systems component that complements coursework in GIS and remote sensing so that students meet the needs of the geospatial job market. All GISc degree students are required to complete a GIS internship or co-op; all GIS Certificate students are required to complete a GIS practicum.

The Department currently has ten full-time geography faculty members with strong research records and experience. They hold expertise in the broad fields of geography and environmental studies, including cultural geography, economic geography, GIS, remote sensing, urbanization, water resources, biogeography, environmental health, and natural resource management.

ACADEMIC PLAN, ADMISSION REQUIREMENT, AND FINANCIAL AID: Semester System. Admission requirements: a completed undergraduate application for Admission to KSU submitted online, official scores on all required college entrance tests (typically SAT), official high school and college transcripts. Financial Aid: student employment opportunities and need-based awards including Federal programs available.

FACULTY:

David J. Doran, Jr., M.A., Georgia State University, 2006, Visiting Instructor — historical geography, Europe, North America, and Sub-Saharan Africa

Nancy Hoalst-Pullen, Ph.D. University of Colorado at Boulder, 2008, Associate Professor & GIS Director — forest dynamics, biogeography, soils, watershed biogeochemistry, applications of geotechnologies, geospatial education, Latin America

Ulrike Ingram, M.A., Georgia State University, 2006, Lecturer — geotechnology

Matt Mitchelson, Ph.D., University of Georgia, 2010, Assistant Professor, Assistant Chair & Geography (B.A.) Coordinator — urban-economic and political geography, geographies of imprisonment, multi- and mixed-method research

Mark Patterson, Ph.D., University of Arizona, 1998, Professor & Environmental Studies Coordinator — GIS, remote sensing, natural resources

Vanessa Slinger-Friedman, Ph.D., University of Florida, 2002, Associate Professor — cultural geography, natural resource management, tropical conservation and development, ecotourism, tropical agriculture, Latin America, the Caribbean, Sub-Saharan Africa

Garrett Smith, Ph.D., University of California at Davis, 1996, Associate Professor — cultural geography, urban geography, geography of religion, Sub-Saharan Africa

Bradley Suther, Ph.D., University of Georgia, 2013, Assistant Professor — fluvial geomorphology, soils, Quaternary studies, the southeastern United States

Jun Tu, Ph.D., Graduate Center of the City University of New York, 2008, Associate Professor — environmental geography, water resources, air pollution, GIS and spatial analysis, environmental health, urbanization, China

Matthew T. Waller, M.A., Georgia State University, 2010, M.Ed., University of Georgia, 1997, Lecturer — geographic literacy and education, cultural geography, development, aid, and structural adjustment, Sub-Saharan Africa

OGEECHEE TECHNICAL COLLEGE

DEGREES OFFERED: Geographic Information Systems Associate of Applied Science

FOR FURTHER INFORMATION CONTACT: John Locke, GIS Instructor, (912) 688-6035, jlocke@ogeecheetech.edu

PROGRAMS: The Geographic Information Systems (GIS) Technology Associate of Applied Science degree program prepares students for employment in a variety of GIS professional positions. Students will work for organizations utilizing GIS software and GPS equipment. Graduating students will apply their education in Mobile GIS, Internet Mapping, and Cartography, GIS in Agricultural Applications, and GIS in Local and County Government. Professional positions in GIS may include: GIS Technician, Planning Technician, GIS Analyst, Photogrammetry & Remote Sensing Technician, Natural Resource Management Technician, Data Entry Technician, Research Technician, and Sales & Marketing Technician. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in GIS practices and software.

UNIVERSITY OF GEORGIA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1946

GRADUATE PROGRAM FOUNDED: 1951

DEGREES OFFERED: A.B., B.S., M.A., M.S., Ph.D.,

Certificates in GIScience and Atmospheric Sciences

GRANTED: 7/1/12-6/30/13: 51 Bachelors, 13 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 25 Masters, 50 Ph.D.

HEAD: Thomas Mote

OFFICE MANAGER: Loretta Scott

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Undergraduate Coordinator (John Knox) or Graduate Coordinator (Steven Holloway), Department of Geography, University of Georgia, Athens, GA 30602-2502. Telephone: (706) 542-2856. Fax: (706) 542-2388. E-mail: geoggrad@uga.edu. Internet: geography.uga.edu

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers bachelors, masters, and doctoral degrees in Geography with specialization in physical and human geography and

in GIScience. The department also offers a joint doctoral degree in Integrative Conservation and Geography. The department's strengths in physical geography are in the areas of climatology/meteorology, biogeography, geomorphology, Quaternary studies, and geoarchaeology; in techniques they are in photogrammetry, remote sensing, and GIS. The human geography program focuses on geographies of social justice, with substantive specialization in critical agri-food studies, race and racialization, climate and carbon governance, urban studies, urban political ecology, legal studies, international human rights, labor geography, globalization, and environmental justice.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Students majoring in geography can work toward a B.A. or B.S. degree or can elect from a number of specialized tracks.

GRADUATE: Applicants for the M.A., M.S., and Ph.D. degrees must complete an application form online and pay an application fee. For application guidelines visit the Graduate School website (www.grad.uga.edu/) or the Department of Geography website (geography.uga.edu/graduate/), or contact Amy Bellamy (geoggrad@uga.edu). The department administers graduate and undergraduate certificates in Geographic Information Science and Atmospheric Sciences. Over thirty teaching assistantships are awarded each year with a tuition waiver. Support is normally for two years at the master's level and four years at the doctoral level. Students with outstanding records may be eligible for competitive, university-wide fellowships or externally funded research assistantships.

FACULTY:

Joshua Barkan, Ph.D., Minnesota, 2006, Associate Professor — social theory, legal geography, economic geography, sovereignty and corporate globalization

Suzanne Pilaar Birch, Ph.D. Cambridge, 2012, Assistant Professor — Human paleoecology, biogeography, zooarchaeology, stable isotope ecology, climate change, landscape/environmental adaptation

Elgene Box, Ph.D., North Carolina, 1978, Professor — geographic modeling, ecology, vegetation, global change

George Brook, Ph.D., McMaster, 1976, Merle Prunty Professor — Quaternary studies, arid lands, geoarchaeology, geomorphology, karst

Andrew Grundstein, Ph.D., Delaware, 1999, Professor — climate and health, hydroclimatology, cryospheric studies

Andrew Herod, Ph.D., Rutgers, 1992, Distinguished Research Professor — labor geography, social theory, globalization, political economy, global production networks, qualitative methods, Australia, Africa, France

Nik Heynen, Ph.D., Indiana, 2002, Professor — urban political economy/ecology, social theory, inequality and social movements, ethnography

Steven Holloway, Ph.D., Wisconsin, 1993, Professor and Graduate Coordinator — urban, racial justice, labor and housing market inequalities, critical quantitative and mixed methods

Thomas Jordan, Ph.D., Georgia, 2002, Associate Director, Center for Geospatial Research (CGR) — digital mapping, photogrammetry, remote sensing

John Knox, Ph.D., Wisconsin, 1996, Associate Professor and Undergraduate Coordinator — dynamics of weather and climate, geoscience education, atmospheric hazards, satellite remote sensing applications

Hilda Kurtz, Ph.D., Minnesota, 2000, Associate Professor — critical agri-food studies, environmental justice, and social movements

David Leigh, Ph.D., Wisconsin, 1991, Professor and Associate Head — geomorphology, Quaternary studies, geoarchaeology, environmental, soils

Marguerite Madden, Ph.D., Georgia, 1990, Professor and Director, CGR — GIS, remote sensing, landscape ecology

Deepak Mishra, Ph.D., Nebraska, 2006, Associate Professor — applications of remote sensing, GIS, and GPS to coastal environments

Thomas Mote, Ph.D., Nebraska, 1994, Professor and Head — hydroclimatology, synoptic/satellite climatology, climate change, cryosphere

Lan Mu, Ph.D., California-Berkeley, 2002, Associate Professor — GIScience, spatial analysis and modeling, computational geometry

Kavita Pandit, Ph.D., Ohio State, 1987, Professor and Associate Provost for International Education — population geography, economic geography, international higher education

David Porinchu, Ph.D., UCLA, 2002, Associate Professor — biogeography, paleolimnology, paleoclimatology, water resources, climate change

Gerald Shannon, Ph.D., Minnesota, 2013, Temporary Assistant Professor — food justice, social determinants of health, urban development, political geography, mixed methods research, GIS

Jennifer Rice, Ph.D., Arizona, 2009, Assistant Professor — urban political ecology, science studies, climate and carbon governance, politics of knowledge

Amy Ross, Ph.D., California-Berkeley, 1999, Associate Professor — political economy, human rights and wrongs, genocide, international institutions, social justice

Fausto Sarmiento, Ph.D., Georgia, 1996, Professor — mountain geography, biogeography, political ecology, Latin America

Marshall Shepherd, Ph.D., Florida State, 1999, University of Georgia Athletic Association Professor — urban climate, precipitation processes, satellite-based remote sensing, tropical weather hazards

Amy Trauger, Ph.D., Pennsylvania State, 2005, Associate Professor — food security, sustainability, feminist geography, cultural economy

Xiaobai Yao, Ph.D., SUNY-Buffalo, 2002, Associate Professor — GIS, geospatial analysis and modeling, urban and transportation geography

HAWAII

UNIVERSITY OF HAWAII AT MANOA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1927

GRADUATE PROGRAM FOUNDED: 1931

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED 2013-2014: 27 B.A., 8 M.A., 2 Ph.D.

STUDENTS IN RESIDENCE: 54 B.A., 27 M.A., 24 Ph.D.

CHAIR: Hong Jiang

GRADUATE CHAIR: Qi Chen

UNDERGRADUATE CHAIR: Matthew McGranaghan

DEPARTMENT SECRETARY: Judy Naumu

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Department Secretary, Department of Geography, 2424 Maile Way, Saunders 445, University of Hawaii at Manoa, Honolulu, Hawaii 96822. Telephone (808) 956-8465. Fax (808) 956-3512.

E-mail: uhmgeog@hawaii.edu.

Internet: <http://www.geography.hawaii.edu/>

PROGRAMS AND RESEARCH FACILITIES: Programs of study lead to B.A., M.A., Ph.D. degrees in Geography; and a graduate certificate in Ocean Policy. The department cooperates in graduate

interdisciplinary certificate programs in: Resource Management; Ecology, Evolution, and Conservation Biology; International Cultural Studies; and other areas. The University of Hawaii's location offers natural advantages for studies of the peoples and lands of Asia and the Pacific. Faculty interests and supporting strengths of the University and the East-West Center provide opportunities for students to pursue interests in areas such as: environment (biogeography, climatology, hydrology, marine ecology), human geography (political, cultural, social, political ecology), and geographic technologies (GIS, remote sensing, cartography, field techniques). The department emphasizes fieldwork (both local and in the Asia-Pacific region) and the integrative nature of the discipline. Departmental research facilities include laboratories for: climate and eco-hydrology, geomorphology, landscape genetics, global environmental change science, cartography, GIS, and geo-environmental remote sensing.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The University is on the semester system and 37 credits in geography are required for the major. This includes 16 credits of required general geography courses, 12 credits in one of three streams (human, environmental, or geographic technologies) and 9 additional credits in upper division courses. There are no special admission requirements for the major and any student in good academic standing (2.0 or better GPA) is eligible.

GRADUATE: Students define their specialization in consultation with their adviser and advisory committees. The M.A. program includes a core program of seminars (7 credits), courses within the area of specialization (15 credits), research skills (3 credits) and a thesis. Ph.D. requirements include a core program of seminars (4 credits), courses within a defined area of specialization (minimum 15 credits), plus an approved sequence of advanced courses in research techniques (minimum 6 credits). Candidates must present a dissertation proposal at a department colloquium, pass written and oral comprehensive examinations, and defend a dissertation. Admission to the M.A. program requires a minimum grade point average of B (3.00 on a four-point scale) during the junior and senior years. Admission to the Ph.D. program requires a superior record in graduate work and evidence of research ability. Both M.A. and Ph.D. applicants must submit transcripts, GRE scores (aptitude tests only), and letters of appraisal from three referees (at least two academic). Available departmental financial aid includes teaching assistantships and tuition waiver awards. In addition, East-West Center Scholarships are available to Americans studying Asian or Pacific topics, as well as foreign students from Asian or Pacific nations. The application deadline for department assistantships is January 15, and November 1 for East-West Center Scholarships. Prospective students should contact faculty with compatible interests as early as possible to facilitate planning.

FACULTY:

David W. Beilman, Ph.D., UCLA, 2006, Associate Professor — biogeography, climate change, terrestrial ecosystems
Qi Chen, Ph.D., UC Berkeley, 2007, Associate Professor — remote sensing, GIS and applications in environmental science
Thomas W. Giambelluca, Ph.D., Hawaii, 1983, Professor — ecohydrology, climatology, climate change
Hong Jiang, Ph.D., Clark, 1997, Associate Professor — cultural geography of the environment, perception of nature, environmental ideology and politics, ideas of nature in Chinese thought
Reece M. Jones, Ph.D., Wisconsin at Madison, 2008, Associate Professor — political geography, borders, territory, sovereignty, South Asia
Stacy Jorgensen, Ph.D., Georgia, 2002, Assistant Professor — evolutionary biogeography, conservation biology, landscape and ecological genetics
Mary G. McDonald, Ph.D., UC Berkeley, 1990, Associate Professor — geographical transformations, social theory, Japan

Matthew McGranaghan, Ph.D., Buffalo, 1986, Associate Professor — computer cartography, GIS, remote sensing, spatial cognition
Camilo Mora, Ph.D., Windsor, 2004, Assistant Professor — dynamics of marine populations, biodiversity in society and economic contexts
Mary Mostafanezhad, Ph.D., Hawaii, 2011, Assistant Professor — geography of consumption, cultural geography, volunteer tourism, Thailand
Alison Rieser, LL.M., Yale, 1990, Professor — political geography of oceans, oceanic legal histories, politics of marine science
Krisnawati Suryanata, Ph.D., UC Berkeley, 1994, Associate Professor — political economy of natural resources, agriculture and food, political ecology, community-based natural resource management, Indonesia
Ross A. Sutherland, Ph.D., Toronto, 1988, Professor — geomorphology, environmental contaminants, erosion, data analysis
Brian W. Szuster, Ph.D., Victoria (Canada), 2001, Associate Professor — environmental impact assessment, marine tourism, coastal management, Thailand
Everett A. Wingert, Ph.D., Washington, 1973, Professor — cartography, remote sensing

EMERITUS FACULTY:

Sen-dou Chang, Ph.D., Washington, 1961, Professor — China, regional development
Murray Chapman, Ph.D., Washington, 1970 — population (mobility), field methods, Melanesia
Roland Fuchs, Ph.D., Clark, 1959 — population, urbanization and development in Asia
Gary A. Fuller, Ph.D., Pennsylvania State, 1972 — population, geography of prophylaxis
Brian J. Murton, Ph.D., Minnesota, 1970 — historical, cultural, tropical agrarian systems, New Zealand
Lyndon Wester, Ph.D., UCLA, 1975 — plant geography, Southeast Asia

COOPERATING AND AFFILIATE GRADUATE FACULTY:

Henry Diaz, Ph.D., Colorado, 1985 — climate change
Basil Gomez, D.Sc., University of Southampton, 2005 — fluvial geomorphology and sediment transport
Douglas Eisinger, Ph.D., Wales, 2005 — air quality, environmental policy analysis
Melissa Finucane, Ph.D., Western Australia, 1998 — environmental and health risks, climate change risk perception
Jefferson Fox, Ph.D., Wisconsin, 1983 — community-based management, land cover change, spatial information technology
Nancy Davis Lewis, Ph.D., UC Berkeley, 1981 — health and development, human ecology, gender, climate change and human health
Mark D. Merlin, Ph.D., Hawaii, 1979 — biogeography, natural history of Hawaii
James Maragos, Ph.D., Hawaii, 1972 — tropical marine ecology and coral biogeography
Mark D. Needham, Ph.D., Colorado State, 2006 — recreation, nature-based tourism
T. A. Siddiqi, Ph.D., Frankfurt-Main, 1966 — energy technology, environmental policy

IDAHO

UNIVERSITY OF IDAHO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1970

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.S. Geography, M.S., Ph.D.

GRANTED 9/1/2009-8/31/2010: 8 Bachelors, 4 Masters, 4 Ph.D.s

STUDENTS IN RESIDENCE: 40 Majors, 18 Masters, 12 Ph.D.

DEPARTMENT CHAIR: Karen S. Humes, Chair

**DEPARTMENT ADMINISTRATIVE ASSISTANT:
Loanne Meyer**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Administrative Assistant, Department of Geography, University of Idaho, McClure Hall 203, PO Box 443021, Moscow, Idaho 83844-3021. Telephone: (208) 885-6216. Fax: (208) 885-2855. E-mail: geog@uidaho.edu. Internet: www.uidaho.edu/sci/geography/.

PROGRAMS AND RESEARCH FACILITIES: The department offers B.S., M.S. and Ph.D. programs in Geography, as well as a minor in Climate Change and a GIS Certificate. Areas of emphasis at both the undergraduate and graduate levels include climate science, glaciology, biophysical and human dimensions of climate change, hazards, political geography, economic geography, remote sensing, and GIS and spatial analysis. Our facilities include remote sensing and GIS teaching labs as well as research labs in climate science, ice core analysis, hazards, applications of remote sensing and GIS to wildland fire, landscape-scale carbon cycling and mitigation/adaptation of climate change. GIS instruction has been part of the program for over 30 years and the department now has a wide network of graduates working in the Pacific Northwest region who help with internship and employment placement opportunities. In addition to general education and geography requirements, geography students may take courses in the related colleges and programs at the University of Idaho, in fields such as forestry, agriculture, architecture, environmental science, water science, bioregional planning, engineering, law, and business. Washington State University (WSU) is only 8 miles away in Pullman, WA and students may take advantage of resources and coursework there in atmospheric science, environmental impact assessment, and environmental engineering.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester system. The department offers a program leading to the degree of B.S. in Geography as well as a new minor in Climate Change and a well-established GIS certificate program. Students are not required to select an option, but may choose to focus their coursework to obtain depth in any of these areas: hazards and society, global & regional studies, Geographic Information Systems (GIS), remote sensing, weather and climate, biophysical and/or human aspects of climate change. The B.S. degree requires 120 total credits, of which 36 must be in Geography.

M.S. AND PH.D.: The department has expanded in recent years via four strategic hires focused around biophysical and human dimensions of climate change. These hires have complemented existing faculty expertise in climate, global and regional studies, remote sensing and GIS, spatial statistics, economic and political geography, and transportation. Prospective graduate students are encouraged to visit our department web page to learn more about faculty research

interests. In addition to our core programs in Geography, faculty advise students in University of Idaho interdisciplinary programs such as Environmental Science, Water Resources and Bioregional Planning. Students pursuing M.S. degrees may choose between a thesis-based and non-thesis professional option.

GIS CERTIFICATE: The GIS Certificate Program is designed to serve students and professionals either in a degree program or separate from a degree program. The certificate, established 10 years ago, requires 15 credits of GIS-related coursework. For more information about the program, please visit our web site.

Admissions to the Graduate College requires a minimum GPA of 3.0 overall, current (within 5 years) GRE scores, 3 letters of recommendation from professors and job supervisors evaluating applicant's ability to pursue graduate studies. Transcripts of all academic experience and general Graduate Record Examination (GREs) are required. Undergraduate degree need not be in geography, but students entering the program with degrees in other fields are required to take some additional coursework in Geography beyond the requirements for the M.S. or Ph.D. requirements.

Admissions to the Ph.D. Program requires a Master's degree, current GRE scores, a letter of interest stating research interest, three letters of reference, and transcripts. Part-time teaching assistantships, research assistantships, and fellowships are available along with other financial aid in the form of scholarships and work study.

FACULTY:

John Abatzoglou, Ph.D., University of California Irvine, 2009, Assistant Professor — weather and climate, climate change impacts on fire and water resources in the American West

Raymond Dezzani, Ph.D., California, Riverside, 1996, Associate Professor — spatial statistics, political and economic geography

Tim G. Frazier, Ph.D., The Pennsylvania State University, 2009, Assistant Professor — climate change, hazards, and urban sustainability

Jeffrey A. Hicke, Ph.D., University of Colorado at Boulder, Colorado, 2000, Assistant Professor — global environmental change, interaction of climate, forests and disturbances such as wildfire and insect outbreaks

Karen Humes, Ph.D., University of Arizona, 1992, Professor and Chair — remote sensing/GIS applications in hydrology and natural resources

Harley E. Johansen, Ph.D., University of Wisconsin-Madison, 1974, Professor and Head — economic, population, rural development, Baltic area transitions

Crystal Kolden, Ph.D., Clark University, 2010, Assistant Professor — wildfire management, ecology, climate impacts, GIS, remote sensing, invasive species

Haitfeng Liao, Ph.D. University of Utah, 2014, Assistant Professor - Economic geography, regional development, globalization, China, urbanization, land use, land use-transportation interactions, spatial statistics

Steven Radil, Ph.D. University of Illinois, 2011, Assistant Professor – political geography, politics of conflict, spatial analysis

RESEARCH FACULTY

Vladimir Aizen, Ph.D., Academy of Sciences, Moscow, Russia, 1988, Research Scientist — alpine hydrology, glaciology and glacio-climatology

Michael Jennings, Ph.D., University of California Santa Barbara, Research Faculty — global biodiversity, climate change, biogeography

PROFESSOR EMERITUS

Kang-tsung Chang

Allan Jokisaari

Sam Scripser

ILLINOIS

AUGUSTANA COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1949

DEGREES OFFERED: B.A.

GRANTED 8/25/12-8/20/13: 4 Majors, 10 Minors

STUDENTS IN RESIDENCE: 29 Majors, 9 Minors

CHAIR: Jennifer Burnham

DEPARTMENT ADMINISTRATIVE ASST: Gail Parsons

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography, Augustana College, 639 38th St., Rock Island, Illinois 61201. Telephone (309) 794-7845. Fax (309) 794-7564. E-mail: jenniferburnham@augustana.edu. Internet: www.augustana.edu/geography.

GENERAL PROGRAM: The department functions as an integral part of the general curriculum of this 2,500-student liberal arts college and provides a solid major for students planning on graduate school in geography or planning. It serves annually over 600 students in 21 different courses plus independent study and field experience options. Upper level courses are offered thematically in physical, environmental, historical, urban geography and planning, regionally on East Asia and Latin America, and in a sequence of methodological and techniques courses in cartography, geographic information systems and geographic research. The department is committed to cross-disciplinary links and is involved in instructional activities with the biology, business administration, education, English, geology, history, political science, and Spanish departments. Geography is one of the core departments in the college's environmental studies program with one of its faculty members serving as co-chair.

SPECIAL PROGRAMS: Department faculty participate in the college's multi-discipline fall term study programs in East Asia, Latin America, and Europe that involve 50 to 100 students. Austria, Ghana, Ireland, and Vietnam rotate as locations for other programs. A special geography summer field research course is held each year in the Upper Midwest, Pacific Northwest, or Great Plains/Southern Rockies region. Through its Community Academic Associates network, the department has an extensive set of internship placements in the local area, the Upper Mississippi Valley and the Chicago metropolitan area with municipal and regional planning offices, private consulting firms and government agencies such as the Army Corps of Engineers, Natural Resources Conservation Service, and Fish and Wildlife Service; faculty members also serve as commission members or do research for these agencies. The long-term placements with the Corps of Engineers give advanced applied GIS experience to two or three students per year. Under special coordinated accelerated degree arrangements with Duke University and the University of Illinois, students may spend three years at Augustana and then two or three years at the university, earning a B.A. from Augustana and a Masters in Environmental Management or Forestry from Duke or a Masters in Landscape Architecture from the University of Illinois.

FACILITIES: The department is located in Swenson Hall of Geosciences which received a \$2 million renovation and is equipped with smart classrooms and labs. The map library, a depository of both the U.S. Government and the U.S. Geological Survey, contains over 100,000 maps and approximately 6,000 remotely-sensed images. Computer facilities for quantitative and graphics work include PCs with ESRI GIS software and Adobe graphic packages. The geography department has two boats for research and teaching on the Mississippi River: a 22-foot cabin skiff with bathymetric and sediment-surveying

capabilities and a 29-foot passenger boat rated for 25-30 students that serves as a floating classroom.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Flexible ten-week, three term system. Admission is competitive and selective. Admitted students excel in a challenging college prep curriculum and rank in the top quarter of high school class; the middle 50 per cent of students score between 24-29 on the ACT. Ninety per cent of students received financial assistance in the form of need-based or merit-based resources.

FACULTY:

Jennifer Burnham, Ph.D., Washington, 2007, Associate Professor and Chair — physical, soils, cartography, climate change, environment

Reuben Heine, Ph.D., Southern Illinois, 2006, Associate Professor — physical, GIS, water resources

Christopher Strunk, Minnesota, 2012, Assistant Professor — urban, economic, conservation, Latin America

Matthew Fockler, Montana State (ABD), Teaching Fellow — cultural, historical geography of the U.S., land management

DEPAUL UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1898

DEPARTMENT FOUNDED: 1949

DEGREES OFFERED: B.A., Certificate in GIS

GRANTED 9/1/12-8/31/13: 24 B.A. and 24 GIS Certificates

STUDENTS IN RESIDENCE: 51 B.A. and 42 GIS

Certificates

CHAIR: Euan Hague, Ph.D.

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: DePaul University, Department of Geography, 990 W. Fullerton Avenue, Suite 4300, Chicago, Illinois 60614. Telephone (773) 325-7669. E-mail: geography@depaul.edu.

Internet: <http://las.depaul.edu/geography>

PROGRAMS AND RESEARCH FACILITIES: The Bachelor of Arts in Geography is offered by DePaul's College of Liberal Arts and Social Sciences. It provides Geography majors with a choice of four concentrations: (1) Urban Development and Planning; (2) Nature-Society Studies; (3) Geotechnology; (4) Standard Geography. Students in the major can also pursue the Honors Program, double majors or other disciplinary minors. The Department offers a broad Geography curriculum, balancing courses in theory, thematic fields, methods, and technical areas of the discipline. Particular strengths are Urban Geography, GIS and Remote Sensing, Political Ecology, Environmental Geography, Cultural Geography, and Political Geography. Geography is also a key component of DePaul's interdisciplinary M.A. in Sustainable Urban Development which began in 2013-14. A close-knit Department of seven tenure-track faculty allows strong cooperation between faculty and students, and the possibility to design customized programs of instruction. The Department supports the Mu Alpha chapter of Gamma Theta Upsilon.

DePaul students may pursue their studies on either of the two campuses located in Chicago's Lincoln Park and the Loop. Programs in the Department of Geography are primarily offered on DePaul's Lincoln Park Campus, located in close proximity to Lake Michigan, Wrigley Field, and the "L" trains of the Chicago Transit Authority. The University has been aggressively improving its physical facilities having recently constructed a large library complex, a Science Quad, a 4-level fitness facility and new Student Center at the Lincoln Park Campus, and the multipurpose DePaul Center in the Loop campus. The growing collection of the DePaul University libraries includes

over 750,000 volumes, 303,000 microform volumes, over 8,900 current serial subscriptions, and varied on-line and audiovisual collections. Access via I-SHARE on-line allows students to identify and access materials from 39 other colleges and universities in Illinois. In addition, current students, faculty, and staff have access to more than 230 electronic databases and 47,056 electronic journals via the Web from home or office via the Libraries' Proxy Server. Our location in Chicago provides students a vast array of academic resources, such as the Newberry Library, and the libraries of the Art Institute, the Field Museum of Natural History and the Chicago Historical Museum, as well as several other large academic libraries. Furthermore, the city provides significant opportunities for student field work and Geography-related internships which complement academic studies at DePaul with practical experience.

The Department of Geography provides both basic and advanced training in geographic information systems (GIS) and remote sensing. The Department has been instrumental in introducing GIS across the University curriculum. Today all students at every computer terminal connected to the University network can access GIS software. In addition, Departmental resources include the GIS Collaboratory, a high-end facility geared to support students and faculty with interests in the areas of geospatial analysis and modeling, remote sensing, and cartographic design. This facility supports the Certificate Program in GIS, which was initiated in 1996. These efforts have been sustained by generous grants from the National Science Foundation and the U.S. Department of Agriculture, as well as the College of Liberal Arts and Sciences.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: DePaul University operates on the quarter system. Admission is possible for any academic quarter. Admission requirements, university catalogues and program information are available through the Office of Admissions, College of Liberal Arts and Social Sciences, DePaul University, 2352 North Clifton Avenue, Chicago, Illinois 60614. Telephone: (773) 325-7310 or on the web at www.depaul.edu. Inquiries concerning financial aid should be directed to the Office of Financial Aid, DePaul University, 1 East Jackson Blvd, Suite 9000, Chicago, Illinois 60604-2287.

FACULTY:

Carrie Breitbach, Ph.D., Syracuse, 2006, Instructor — cultural, economic, gender
Alec Brownlow, Ph.D., Clark, 2003, Associate Professor — urban environmental, political ecology, human-nature interaction, social theory
Winifred Curran, Ph.D., Clark, 2004, Associate Professor — urban, social, economic, gender
Kara Dempsey, Ph.D., University of Wisconsin-Madison, 2011, Visiting Assistant Professor — urban, cultural, European Union
John Goldman, MS, Penn State, 1986, Instructor — meteorology, quantitative methods
Nandhini Gulasingham, MS, DePaul University, 2002, Instructor — GIS
Euan Hague, Ph.D., Syracuse, 1998, Professor and Chair — cultural, urban, historical, political
Sungsoon (Julie) Hwang, Ph.D., SUNY at Buffalo, 2005, Associate Professor — GIS, transportation, housing
Patrick McHaffie, Ph.D., Kentucky, 1992, Associate Professor — GIS, remote sensing, history of cartography, science studies, cultural
Heidi J. Nast, Ph.D., McGill, 1992, Professor, International Studies Program — cultural, urban, gender, sexuality, geographic thought, Africa (affiliated faculty)
Alex G. Papadopoulos, Ph.D., Chicago, 1993, Associate Professor — urban, political, European Union, Balkans
Maureen Sioh, Ph.D., University of British Columbia, 2000, Associate Professor — economic geography, development, environment, Southeast Asia

Heather Smith, MA, Columbia University (NY), 2000 — urban planning

EASTERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOLOGY/GEOGRAPHY

DATE FOUNDED: 1895

DEGREES OFFERED: B.S. in Geology, B.S. in Geography, B.S. in Science Teacher Certification (Earth Science designation), B.S. in Social Science Teacher Certification (Geography designation), M.S. Natural Science, M.S. in GISci, and minors in Broadcast Meteorology, Earth Science, Geography, Geographic Information Sciences (GISci), and Geology

GRANTED 9/1/12 - 8/31/13: 8 in GEOLOGY; 21 in GEOGRAPHY

UNDERGRADUATE MAJORS: 68

CHAIR: Michael W. Cornebise

DEPARTMENTAL OFFICE MANAGER: Susan Kile

FOR CATALOG AND FURTHER INFORMATION WRITE: Department of Geology/Geography, 600 Lincoln Avenue, Eastern Illinois University, Charleston, Illinois 61920-6033. Telephone (217) 581-2626. E-mail: geoscience@www.eiu.edu. Internet: www.eiu.edu/~geoscience.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geology/Geography in the College of Sciences offers the B.S. degree in Geology and the B.S. degree in Geography. Concentrations available in Geography include (1) General Geography; (2) Environmental Studies; (3) Geographic Techniques/Spatial Analysis, and (4) International Studies. Student must complete 18 semester hours of geography, earth science, geology or other approved elective courses selected from their area of concentration in addition to the 32 semester hours of required courses. A General Geography concentration offers the student a broad range of courses about human and physical geographic interactions; the Environmental Studies concentration focuses on issues, processes, analyses, and management of the physical and human environment; the Geographic Techniques/Spatial Analysis concentration emphasizes geographic mapping tools and analytical techniques used to study spatial relationships in the human and physical environment, and the International Studies concentration emphasizes an interdisciplinary approach using regional, systematic, and multi-disciplinary courses.

Undergraduate minors are offered in Geology, Geography, Earth Science, and an interdisciplinary minor in Geographic Information Sciences, GISci. In addition, an Honors Program is offered to Geology and Geography majors who maintain a 3.5 cumulative grade-point average (on a 4-point scale).

The department also offers two teacher certification programs: B.S. in Science (Earth Science designation) and B.S. in Social Science (Geography designation), and participates in two interdisciplinary Master's programs: M.S. in Natural Sciences for Teachers (MSNS) and an M.S. in GISci. Participants completing the B.S. in Science requirement will be certified to teach biological sciences, chemistry, earth sciences, and physics. Those who complete the B.S. in Social Science will be certified to teach economics, geography, history, political science, psychology, and sociology/anthropology. Both the B.S. in Science and MSNS, in addition to earth sciences, requires relevant courses in biological sciences, chemistry, and physics. The B.S. in Social Sciences, in addition to geography, requires relevant courses from economics, history, political science, psychology, and sociology/anthropology.

Master of Science for Natural Science Teachers (MSNS) offered with a choice from six concentrations: Biology, Chemistry, Earth Science, General Science, Physical Science, and Physics. The intent of the program is to develop a comprehensive background in science for teachers to be able to teach any of the above disciplines. A teaching certificate is the prerequisite to participate in the MSNS degree program. The M.S. in GISci includes coursework in: Biological Sciences, Business Administration, Geography, Earth Science, Political Science and Sociology.

These programs are enhanced by established departmental field programs, internships, independent studies, student/faculty collaborative research opportunities, scholarships, and honors programs. Student's academic experiences are enhanced by the unique departmental collaboration between geologists and geographers and faculty specialties in both disciplines. Field programs include introductory and advanced Earth Science Field Experience for Teachers in various regions of the United States, in addition to weekend or week-long trips during semester breaks. The department also offers faculty-led study abroad programs to Ecuador, Ireland/Scotland, Germany/Poland/Czech Republic/Austria and Turkey/Greece/Egypt.

Students in the Department of Geology/Geography have available several classroom and research laboratories including the Computer Cartography Lab, Geographic Information Science Lab, Sedimentation and Stratigraphy Lab, Microscopy Lab and Computer Lab. Cartography and GIS labs contain personal computers, digitizing tablets, printers and plotters and make use of Atlas GIS, AutoCad and ArcView software and other current relevant software. The department is located in the Physical Science Building, centrally located on a tree-shaded 320 acre campus. Eastern, situated in East Central Illinois in the city of Charleston (population 20,000), is primarily a residential campus with approximately 10,500 full-time students.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Financial aid is available to qualified students through the Financial Aid Office. For information about programs in the Department of Geology and Geography, contact: Chair, Department of Geology/ Geography, Eastern Illinois University, Charleston, Illinois 61920. For information about admission requirements, contact: Office of Admissions, Eastern Illinois University, Charleston, Illinois 61920.

FACULTY:

W. Brett Anderson, Ph.D., Kansas, 2012, Instructor — cultural geography, historical geography, weather/climate
Diane M. Burns, Ph.D., Wyoming, 2004, Associate Professor of Geology — sedimentology, stratigraphy
Robert Cataneo, MSNS, Eastern Illinois, 2003, Instructor — weather/climate
Craig A. Chesner, Ph.D., Michigan Tech., 1988, Professor of Geology — petrology, volcanology
Michael W. Cornebise, Ph.D., Tennessee, 2003, Chair, Professor of Geography — population geography, cultural geography
Cameron D. Craig, M.A., Indiana State, 2002, Instructor — climatology, physical geography, atmospheric education
James A. Davis, Ph.D., Kansas State, 2001, Associate Professor of Geography — human/economic geography, resources
Katherine Lewandowski, Ph.D., Ohio State, 2008, Assistant Professor of Geology — Cenozoic climate change and paleoceanography, benthic foraminiferal micropaleontology, paleoecology, evolution, and stratigraphy, Geoscience education
Belayet H. Khan, Ph.D., Pittsburgh, 1985, Associate Professor of Geography — meteorology, environmental studies, geomorphology
Barry J. Kronenfeld, Ph.D., SUNY-Buffalo, 2004, Assistant Professor of Geography — geographic information systems, historical U.S. landscape change, cartography

Christopher R. Laingen, Ph.D., Kansas State, 2009, Assistant Professor of Geography — Use of Remote Sensing and GIS in Regional (Bio)geography, Rural Geography, and Agricultural Geography, Changing rural geographies of U.S. Midwest/Corn Belt/Heartland

James Riley, Ph.D., Illinois, Urbana-Champaign, 2012 Assistant Professor of Geography — regional geomorphology, hydrology

Betty E. Smith, Ph.D., SUNY-Buffalo, 1994, Professor of Geography — urban systems, geographic information systems, Latin America

John P. Stimac, Ph.D., Oregon, 1996, Associate Professor of Geology — structural geology, tectonics

David C. Viertel, Ph.D., Texas State, 2008, Associate Professor of Geography — remote sensing, urban environments

ELMHURST COLLEGE

DEPARTMENT OF GEOGRAPHY AND GEOSCIENCES

DATE FOUNDED: 1964

DEGREES OFFERED: B.A., B.S.,

GRANTED 12/31/11-6/1/12: 15 Bachelors

MAJORS/MINORS: 10 -15

CHAIR: Michael S. Lindberg

DEPARTMENT ADMINISTRATIVE ASST: Barbara Kerber

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Office of Admission, Elmhurst College, 190 Prospect Ave., Elmhurst, Illinois 60126. Telephone (630) 617-3598. Fax (630) 617-3739. E-mail: michael@elmhurst.edu

Internet: www.elmhurst.edu/geography

PROGRAMS AND RESEARCH FACILITIES: Majors in the Department of Geography and Geosciences emphasize the interactions and relationships between people and their physical and cultural environments. The curriculum effectively links the social and natural sciences. Students may major in geography or applied geospatial technologies (AGT). Minors in physical and human geography are also available as is a minor in Geographic Information Systems (GIS). Apart from students who pursue a single major in the department, other students, often majoring in business or one of the other social or natural sciences, find geography a valuable second field of study. The versatility of a double major or a minor in geography is attractive to many employers.

The Department of Geography and Geosciences actively participates in the interdisciplinary majors in urban studies, intercultural studies, logistics and transportation management, and in the January Term field experience program. The Department has also offered periodic off campus travel/study experiences to places such as Jamaica, Australia, Hawai'i, and European Russia.

The Department of Geography and Geosciences is located on the third floor of Daniels Hall. The Department has three dedicated laboratories/project rooms. The GIS/Cartography and Remote Sensing Lab consists of 24 work stations with wireless capable laptop computers and ESRI GIS software. Also associated with this lab is the Douglas Carter Physical Geography Collection, a personal library of books donated by Mrs. Douglas Carter. The Computer and Research Project Lab has twelve Pentium based PC's with Internet accessibility. Standard geography related software used on these computers include ArcGIS Desktop, and various multimedia atlases. This lab is the home of a digital GIS data depository. It also serves as the student lounge/project work room. A multimedia-equipped Physical Geography Lecture/Lab is used for Introductory Physical Geography and Atmospheric Science instruction.

Located within Daniels Hall is the Department's Geography Alumni Memorial Weather Station, a gift from department alumni. The station has high quality weather sensing instruments on the roof of the building and a computer display in the main lobby. Data are archived for student research applications. The Department has received an equipment grant from on the Trimble Corporation consisting of a GPS unit and associated software.

The Elmhurst College GIS Certificate Program is under the auspices of the Elmhurst College School for Professional Studies (SPS), and is geared towards working professionals in the area of geographic information systems (GIS). The Program is entirely online and includes a total of five (5) courses: one in the fundamentals of geospatial technologies, one in GIS/Remote Sensing, one in the advanced use of GIS, and two in information systems including python programming and the implementation of geodatabases.

ACADEMIC PLAN, ADMISSION REQUIREMENTS AND FINANCIAL AID: Elmhurst College operates on a 4-1-4 academic calendar. There is a Fall term, a January term and a Spring term. To earn a Bachelor of Arts or Science Degree, a minimum of 32 courses are required (128 semester hours). A major in Geography requires a minimum of 9.5 courses while a minor requires 4 courses. A major in Applied Geospatial Technologies (AGT) requires 10.5 courses, including a geospatial internship. A minor in GIS requires five courses. Preparation necessary for a student to successfully complete the program of study at Elmhurst College is determined by a review of a student's previous academic record and supporting credentials. Emphasis is placed on how well a student has succeeded in recent or current educational experiences. The College administers a wide variety of institutional, state and federal financial aid programs, including scholarships, grants, loans and student employment opportunities. Elmhurst offers a number of merit scholarships to students who have outstanding academic achievement or have exhibited skill in a specialized area. Most financial aid, however, is awarded to those students demonstrating financial need. In recent years, approximately 65% of all full-time students, and 30% of eligible part-time students, have received financial assistance.

FACULTY:

Michael S. Lindberg, Ph.D., Manitoba, 1994, Associate Professor, Department Chair — maritime, political, economic, gender and sexuality, intercultural

Richard B. Schultz, Ph.D., Cincinnati, 1991, Associate Professor — physical, GIS, environmental issues, global climate, online geosciences education

Carmi Neiger, M.S., Arch., University of Illinois Chicago, 1985, Assistant Professor — Spatial Analysis, Urban Geography, Ph.D. candidate, Northern Illinois University, GIS, Economic Geography, Geography of Religion

EMERITI PROFESSORS:

Paul F. Ries, B.S., Carroll College; M.A., Ph.D., University of Georgia

Kenneth R. Brehob, B.S., M.A., Ball State University; Ph.D., University of Oklahoma

ILLINOIS STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY-GEOLOGY

DATE FOUNDED: 1857

DEGREES OFFERED: B.A., B.S. in Geography, B.S. in Geology, M.S. in Hydrogeology

GRANTED 2013: Geography-24, Geology-29, Hydrogeology-6

MAJORS 2013: Geography-70, Geology-75, Hydrogeology-18

CHAIR: Eric Peterson

ADMINISTRATIVE ASST: Karen Dunton

FOR CATALOG AND FURTHER INFORMATION: Department of Geography-Geology, Illinois State University, Campus Box 4400, Normal, Illinois 61790-4400. Telephone (309) 438-7649. Fax (309) 438-5310. E-mail: geo@ilstu.edu. Internet: <http://www.geo.ilstu.edu/>.

PROGRAMS AND RESEARCH FACILITIES: Program fields correspond with faculty expertise that include: physical and applied climatology, paleoclimatology, human-environment interactions, geographic information systems, cartography, remote sensing, hydrology, and quantitative methods. Faculty members have regional strengths and many have conducted foreign, national, or local fieldwork.

The Institute of Geospatial Analysis & Mapping (GEOMAP) was dedicated in 2008. Its mission is to support research activities that aim to improve our understanding of complex interactions between human and natural systems through the application of state-of-the-art geographic information sciences and technologies. Technical skills in cartography and GIS are especially popular among our students.

The department maintains 3 computer labs equipped with the latest hardware and software packages for current applications in physical and human geography.

The University Library has a substantial map collection and more than 1,600,000 volumes supplemented by a courier service to the University of Illinois Library and the Center for Research Libraries.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Geography majors are required to take 50 credit hours, ranging from introductory, regional requirements, thematic requirements, and electives. The major requires a capstone internship that provides an opportunity for the students to find employment prospects in geography and related fields. Four themes bridge the differences in faculty expertise and training. These themes are: Community and Regional Development, Environmental Science, Geographic Information Systems and Technology, and Human-Environment Interactions.

The Geography Teacher Certification major prepares students to become teachers in grades 6 through 12 and helps them gain certification as Geography and Social Science teachers. The requirements are similar to those in the non-teaching major with additional certification courses in the College of Education. 56 hours are required. Student teaching is part of the Teacher Certification requirement.

The department offers an interdisciplinary minor, Environmental Studies, which requires substantial course work in geography.

FACULTY:

Amy Bloom, Ph.D., Utah, 2006, Instructional Assistant Professor — climate and environmental change, paleobiogeography, quaternary environments

Dagmar Budikova, Ph.D., Calgary, 2001, Associate Dean — climatology, GIS, quantitative methods

James E. Day, Ph.D., Iowa, 1988, Professor — invertebrate paleontology, paleoecology
Matthew Himley, Ph.D., Syracuse, 2010, Assistant Professor — environmental, political, Latin America
John C. Kostelnick, Ph.D., Kansas, 2006, Associate Professor — GIS, cartography, cultural geography
David H. Malone, Ph.D., Wisconsin, 1994, Professor — structural geology, stratigraphy
Eric Peterson, Ph.D., Missouri-Columbia, 2002, Professor — hydrogeology, karst, modeling
Catherine O'Reilly, Ph.D., Arizona, 2001, Assistant Professor — limnology, biogeochemistry
Reecia Orzeck, Ph.D., Syracuse, 2007, Assistant Professor — human, cultural, Middle East
R.J. Rowley, Ph.D., Kansas, 2009, Assistant Professor — GIS, urban, human, cultural geography
William Shields, MS., Illinois State, 2001, Administrative-Professional — general education, computation lab specialist
Michael D. Sublett, Ph.D., Chicago, 1974, Professor — historical, applied, Illinois geography, geography-earth science education
Jonathan Thayne, Ph.D., Kansas, 2009, Assistant Professor — remote sensing, GIS, biogeography
Jill Freund Thomas, M.S., Idaho, 1986, Administrative Professional — geography-earth science education, cartography
Lisa Tranel, Ph.D., Virginia Tech, 2010, Assistant Professor — active tectonics and geomorphology
Henry J. Zintambila, Ph.D., Hawaii, 1982, Assistant Professor — climatology, Africa

EMERITI FACULTY:

Paul S. Anderson, Ph.D., Australian National, 1979
George Aspbury, Ph.D., Michigan, 1970
James R. Carter, Ph.D., Georgia, 1973
Robert G. Corbett, Ph.D., Michigan, 1964
E. Joan Miller, Ph.D., North Carolina, 1965
Robert S. Nelson, Ph.D., Iowa, 1970
William D. Walters, Jr, Ph.D., Indiana, 1974

JOLIET JUNIOR COLLEGE

NATURAL SCIENCE DEPARTMENT

DEGREES OFFERED: A.A. /A.A.S

DEPARTMENT CHAIR: Patrick Mills

FOR FURTHER INFORMATION WRITE TO: Jon Laratta, Joliet Junior College, Natural Science Department, 1215 Houbolt Rd., Joliet, IL, 60431-8938. Telephone (815) 280-2420. E-mail: jlaratta@jjc.edu. Internet: www.jjc.edu.

COURSES OFFERED: Introduction to Physical Geography (Weather and Climate; Landforms), World Regional Geography, Cultural Geography, Introduction to Physical Geology, Economic Geography

MATRICULATION AGREEMENTS WITH FOUR-YEAR COLLEGES/UNIVERSITIES: State public schools; visit <http://www.itransfer.org> for information about the Illinois Articulation Agreement.

FACULTY:

Jon Laratta, M.A., University of Illinois, Chicago
Tom Feldman, Ph.D., University of California-Riverside

NORTHEASTERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

DATE FOUNDED: 1961

GRADUATE PROGRAM FOUNDED: 1970

DEGREES OFFERED: B.A. Geography; B.A.

Environmental Studies; M.A. Geography and Environmental Studies; Certificate in GIS:

Undergraduate; Certificate in GIS: Graduate

GRANTED 9/1/2012 to 8/31/2013: 38 Bachelors, 11

Masters, 16 GIS Certificates

CHAIR: Dr. Erick Howenstine

DEPARTMENT ADMINISTRATIVE ASST: Michael Partipilo

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Environmental Studies, Northeastern Illinois University, 5500 N. St. Louis Ave., Chicago, Illinois 60625. Telephone (773) 442-5640. ges@neiu.edu; www.neiu.edu (Attn: Michael Partipilo, Admin Asst., G&ES).

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Students enrolled in the B.A. Programs may select from two degree options. The B.A. in Geography (36 cr.hr.) has a core program of 21 credit hours providing a solid foundation in the discipline including technical, regional, and field components as well as physical and human geography. An internship is optional. The B.A. in Environmental Studies (42 cr.hr.) focuses on environmental policy and planning, or on environmental education and interpretation, and has a core curriculum of 24 credit hours. A required internship is typically taken at the end of the program.

GRADUATE: Required courses for this 33 credit hour program include scope and philosophy, a sequence of research methods courses, and a thesis (6 cr) and thesis defense, or a research paper (3 cr) and comprehensive exam. The program applies the spatial and conceptual tools of geography to the challenges of environmental issues, integrating social and natural sciences for practical solutions. Graduates typically work for governmental or non-profit agencies, industry, and education in fields related to environmental planning, resource management, and urban land use planning. Some students go on to doctoral programs.

GIS CERTIFICATE: The Department offers GIS Certificate programs at the undergraduate and graduate levels. The former is 15 credit hours with a core sequence of three classes and a choice of two others. The latter is 18 hours, including a core of four courses and two GIS electives.

GIS labs are available for students in classes, doing homework, and undertaking special projects. An internship is optional at the undergraduate level.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Graduate students must **fill** requirements for admission to the Graduate College, must have the equivalent of 15 hours in geography or environmental studies or may be admitted conditionally until these are met. Contact: Graduate Admissions. Two paid graduate assistantships are available, as are merit tuition waivers, on a competitive basis.

FACULTY:

Erick Howenstine, Ph.D., Washington, 1989, Professor, Chair — GIS, cartography, population geography, economic geography

Caleb Gallemore, Ph.D., Ohio State University 2013, Assistant Professor — environmental policy and planning, GIS
Dennis Grammenos, Ph.D., University of Illinois at Urbana-Champaign, 2000, Associate Professor — urban and social geography, international political economy, Latin America, Russia and Eastern Europe
Ting Liu, Ph.D., Florida State University, 2014, Assistant Professor and GIS Coordinator — GIS, remote sensing, land use and land cover
Melinda Storie, Ph.D., University of Illinois at Urbana-Champaign, 2008, Assistant Professor and Graduate Coordinator — environmental perception, environmental education, environmental interpretation
Jerome Mostek, M.A., Instructor

NORTHERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1968

GRADUATE PROGRAM FOUNDED: 1968

DEGREES OFFERED: B.A., B.S., M.S., Ph.D. in Geography, B.S. in Meteorology, B.S. Emphasis in Geomatics, Certificates in GIS/GIA, University Certificates in Homeland Security

GRANTED: 9/1/12 - 8/31/13: 51 Bachelors, 9 Masters

STUDENTS IN RESIDENCE: 109 Majors, 19 Masters, 13 Ph.D.

NOT IN RESIDENCE: 2 Masters

CHAIR: Andrew J. Krmenc

DEPARTMENT ADMINISTRATIVE ASST: Barbara Voga

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Coordinator of Graduate Studies, Department of Geography, Davis Hall 118, Northern Illinois University, DeKalb, Illinois 60115. Telephone: (815) 753-6826. Fax (815) 753-6872. Internet: www.geog.niu.edu

PROGRAMS AND RESEARCH FACILITIES: The B.S. and B.A. in Geography are structured around five fields of study: natural environmental systems, urban/economic systems, GI Science, area studies and geomatics (land surveying). Undergraduate and graduate Certificates in GIS can be earned online, or as part of degree program on campus. Degree-seeking students may participate in experiential learning in the department's labs and through internships, mentored research, and the department's programs in community-based geography. The B.S. program in geomatics meets State of Illinois educational requirements for the (NCEES) Surveyor In-Training exam.

The B.S. in Meteorology is a science-based, pre-professional program conforming to American Meteorological Society and National Weather Service standards. Mentored research and internships are available in a variety of weather analysis, applied meteorology and applied climatology fields. Students may take courses in broadcast media through the university's Communication Studies program. All students are required to complete three semesters of calculus, one year of calculus-based physics, one semester of statistics, and one semester of a programming language.

The Ph.D. and M.S. programs invite students with interests in biogeography, climatology, environmental systems, food systems, GI Science, hydrology, soils, weather-related hazards, health, urban, transportation or economic geography. The Master of Science program normally takes two years to complete; the Ph.D. requires 60

semester hours beyond the master's degree, including dissertation. All students must successfully complete core courses in the intellectual basis of modern geography, research methods, and quantitative methods, and successfully pass a comprehensive exam. Masters students may choose a 30 credit hour thesis track or a 36 credit hour non-thesis track. Doctoral students complete at least 6 semester hours in topical advanced course work, at least 6 hours of applications experience, at least 9 semester hours in cognate fields outside the department, and a dissertation.

Geography, together with Statistics, contributes to the undergraduate and graduate certificates in homeland security through the environmental and hazards risk assessment track. Additional certificate tracks are available in biochemical sciences, cyber security, health sciences, and emergency management and response. Students may pursue the certificates in GIS or homeland studies as part of a regular degree program or as stand-alone products.

The department maintains a variety of laboratories to support teaching and research in climatology, biogeography, GI Science, meteorology, remote sensing, soil science, and spatial analysis. Resources include: instrumentation for the analysis of soil physical and chemical properties, tree ring cores, and stream flow; field sampling tools; GPS and land surveying equipment; a fixed-site automated weather station and mobile weather stations; field photosynthesis system; soil sampling ATV; and germination/growth chamber. The department also operates the community's National Weather Service cooperative weather station.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Graduate: N.I.U. operates on a semester system. Admission as a graduate student requires a bachelor's degree from an accredited college or university, a GPA of at least 2.75 (4-point system), and approval of the Department of Geography.

Assistantships and fellowships carry stipends up to \$13,060 for the academic year plus 12-month waiver of tuition (in-state \$9,430; out-of-state \$18,855). Applications for graduate assistantships and fellowships should be sent as early as possible; preferably before January 15. Students pursuing a specialization in mapping science or GIS may apply for the Richard E. Dahlberg Scholarship, awarded annually. Grants to support thesis/dissertation research are available through the William Morris Davis Memorial Research Fund. Research positions and internships providing work experience, income, and/or academic credit may also be available. Students interested in funding supports should direct inquiries to the Coordinator of Graduate Studies. Admission decisions are based on a combination of GPA, verbal and quantitative scores on the Graduate Record Exam, a statement of research interest and purpose in pursuing the graduate degree, and at least two letters of evaluation.

FACULTY:

Walker S. Ashley, Ph.D., Georgia, 2005, Associate Professor — weather-related hazards, synoptic and mesoscale meteorology/climatology, environmental risk, GIS
David Changnon, Ph.D., Colorado State, 1991, Professor — applied climatology, climate impacts, climate variability and change
Xuwei Chen, Ph.D., Texas State, 2006, Associate Professor — transportation analysis and modeling, emergency evacuation, spatial analysis, geovisualization, GIS
Courtney M. Gallaher, Ph.D., Michigan State, 2012, Assistant Professor — sustainable food systems, environmental management, gender issues, Africa
David Goldblum, Ph.D., Colorado, 1994, Associate Professor — biogeography, human impacts on the environment
Richard P. Greene, Ph.D., Minnesota, 1989, Associate Professor — urban, land use planning, spatial analysis, GIS
Ryan James, Ph.D., UNC-Charlotte, 2012, Assistant Professor — economic, regional development, spatial models

Michael E. Konen, Ph.D., Iowa State, 1999, Associate Professor — pedologic, geomorphic, and hydrologic processes
Andrew J. Kremenec, Ph.D., Indiana, 1983, Professor — spatial analysis, quantitative methods, economic
Wei Luo, Ph.D., Washington University, 1995, Professor — geomorphology (Earth and Mars), hydrology, GIS applications, Web-based technology in teaching
Thomas J. Pingel, Ph.D., U.C. Santa Barbara, 2010, Assistant Professor — GIS, geovisualization, LIDAR, spatial cognition
Lesley S. Rigg, Ph.D., Melbourne, 1999, Professor — biogeography, forest ecology, women in science
Jie Song, Ph.D., Delaware, 1995, Professor — boundary layer meteorology, micrometeorology, atmosphere-plant-soil interaction, numerical modeling
James Wilson, Ph.D., North Carolina, 1991, Assistant Professor — public and environmental health, medical geography, hazards, GIS

LABORATORY PROFESSIONALS & INSTRUCTORS:

Kory Allred, PLS, M.S., Southern Illinois, 2006, Geomatics Instructor — Land Surveying, glacial landforms (Mars & Earth), GIS
Jodi L. Heitkamp, M.S., Northern Illinois, 2006, Cartographer — map design, cartography
Philip P. Young, M.S., Northern Illinois, 2012, GIS Project Director — geovisualization

ADJUNCT FACULTY:

James Angel, Ph.D., Illinois, 1996 — climatology
Sharon T. Ashley, Ph.D., Georgia, 2006 — climatology, hazards
Richard Boniak, Ph.D., SIU-Carbondale, 2007 — physical geography, soils, environmental management
Joshua K. Darr, M.S., SUNY-Albany, 2002 — atmospheric sciences
Robert Fahey, Ph.D., University of Wisconsin-Madison, 2011 — forest ecology
Julie D. Jastrow, Ph.D., University of Illinois-Chicago, 1994 — soil biology
William P. Kleiman, M.S.Ed., Northern Illinois, 1986 — restoration ecology
Mary Njenga, Ph.D., University of Nairobi, 2013 — urban food systems
Michael T. Ritsche, M.S., Northern Illinois, 2001 — climatology, weather instrumentation
Mark W. Stelford, Ph.D., Northern Illinois, 2001 — soils, spatial analysis, agriculture

DEPARTMENT ASSOCIATES:

Robert B. Ridinger, Librarian, Subject Area Specialist
Gilbert Sebenste, NIU Staff Meteorologist

VISITING SCHOLARS:

Xiaojuan Li, Capital Normal University
Chaoqiao Ning, Guangzhou Social Science Academy
Haiyan Shao, Nanjing University of Information Science & Technology

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL RESOURCES

DATE FOUNDED: 1936

GRADUATE PROGRAM FOUNDED: 1936

DEGREES OFFERED: BS Geography and Environmental

Resources (specializations in Environmental Sustainability, Geographic Information Science, and Climate and Water Resources); Undergraduate Minor in Geography and Environmental Resources; Undergraduate Minor in Sustainability; Undergraduate Minor in GIS; Undergraduate Interdisciplinary Minor in Environmental Studies; MS Geography and Environmental Resources (specializations in Environmental Sustainability, Geographic Information Science, and Climate and Water Resources); Graduate Certificate in Sustainability; Graduate Certificate in GIS; PhD in Environmental Resources and Policy

GRANTED (1/1/13-12/31/13): 18 Bachelors, 14 Masters

STUDENTS IN RESIDENCE (1/1/13-12/31/13): 63

Majors, 23 Masters

CHAIR: Justin Schoof

DEPARTMENT OFFICE ADMINISTRATOR: Olise Mandat

UNDERGRADUATE AND GRADUATE PROGRAMS

ASSISTANT: Jennie Absher

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography and Environmental Resources, Southern Illinois University Carbondale, 1000 Faner Drive, Room 4520, Carbondale, Illinois 62901. Telephone 618.536.3375. Fax 618.453.6465.

Email geog@siu.edu. Internet <http://cola.siu.edu/geography/>

PROGRAMS AND RESEARCH FACILITIES: Geography at SIU Carbondale focuses on environmental sustainability, geographic information science, climatology, and water resources at the undergraduate and graduate levels. Field work, computer-based analysis, and internships are prominent components of the integrated environmental problem-solving approach evident in both undergraduate and graduate programs. We have two computer labs: the Environmental GIS Laboratory and the Advanced Geospatial Analysis Laboratory, which give our students hands-on experience with current computing technology. The department also houses the Universities Council on Water Resources (www.ucowr.siu.edu).

The computing environment at the SIU Carbondale campus provides easy access and 24-hour availability to all SIU Carbondale students. SIUs recently renovated Morris Library is one of the largest in North America with 2.6 million volumes, 200,000 e-books, 43,000 current periodicals and serials, 255,000 maps and 93,000 aerial photographs. We are located in Carbondale, a city of 26,000 residents that is 100 miles southeast of St. Louis. Our region is rugged and picturesque, with two state parks and five large recreational lakes within ten miles of campus. Students often conduct fieldwork in the nearby natural areas, including the Shawnee National Forest and federal and state wildlife refuges. The SIU Sustainability Council works to bring together and highlight campus programs and departments that work to make campus more sustainable while also conducting research and helping the campus community achieve sustainability. The SIU Carbondale Green Fund supports on-campus renewable energy, energy efficiency, and sustainability by providing funding for projects,

student travel, and research. The town of Carbondale is also environmentally progressive with curb-side recycling, a comprehensive public bus system, and three weekly farmers' markets. Overall, the Department of Geography and Environmental Resources at SIU Carbondale represents an academic unit within a diverse ecological and social setting.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, FINANCIAL AID: SIU Carbondale operates on a 16-week semester system, with additional sessions (4-week and 8-week) within the summer.

UNDERGRADUATE PROGRAM: Majors earn a Bachelor of Science degree in Geography and Environmental Resources studying the dynamic relationship between nature and society in the field and the computer laboratory as well as in the traditional classroom. Students choose among three specializations: Environmental Sustainability, Geographic Information Science (GIS), or Climate and Water Resources. A foundation of core courses helps students develop the analytic and research skills appropriate to their research interest. SIU Carbondale awards a wide range of scholarships based on financial need and/or academic performance. Additional scholarships are awarded by the Department of Geography and Environmental Resources.

GRADUATE CERTIFICATE PROGRAM: We currently offer two graduate certificates to help students build the skills that are currently in demand in the US job market. The Certificate in Sustainability addresses emerging needs for sustainable development, while the Certificate in GIS prepares students for the growing market in geospatial techniques.

GRADUATE PROGRAM: Students earn a Master of Science degree in Geography and Environmental Resources with a concentration in Environmental Sustainability, Geographic Information Science (GIS), or Climate and Water Resources. Submit applications by January 15 to ensure consideration for financial support for the Fall semester. Late applications will be considered for admission when possible. Visit <http://gradschool.siu.edu/> for admissions details. Financial awards include teaching assistantships, research assistantships, and University fellowships. Assistantships are \$12,564 for nine months plus tuition waiver. Limited summer financial assistance is available.

PHD PROGRAM IN ENVIRONMENTAL RESOURCES AND POLICY: This interdisciplinary doctoral program features six concentrations in: Earth and Environmental Processes; Energy and Mineral Resources; Environmental Policy and Administration; Forestry, Agricultural and Rural Land Resources; GIS and Environmental Modeling; and Water Resources (<http://info.erp.siu.edu/>).

FACULTY:

Leslie A. Duram, Ph.D., Colorado, 1994, Professor — agricultural geography, organic agriculture, rural land use, watershed management

Christopher L. Lant, Ph.D., Iowa, 1988, Professor and Executive Director of the Universities Council on Water Resources — water resources management, wetlands, nonpoint source pollution policy

Tommy J. Oyana, Ph.D., SUNY Buffalo, 2003, Associate Professor — GIS and GIScience, cartographic and geographic visualization, environmental health and exposure, spatial epidemiology, multivariate statistics, and spatial statistics

Jonathan Remo, Ph.D., Southern Illinois University Carbondale, 2008, Assistant Professor — fluvial geomorphology, river and floodplain management, natural hazards, hydraulic, geospatial, and hazard modeling

Justin Schoof, Ph.D., Indiana University, 2004, Associate Professor and Chair — climate variability and change, climatological methods, statistical applications in climatology

Guangxing Wang, Ph.D., University of Helsinki, Finland, 1996, Associate Professor — remote sensing, spatial statistics, GIS, environmental modeling and simulation, land cover change

Julie Weinert, Ph.D. Ohio State University, 2008, Senior Lecturer — tourism geography, geography of ecotourism, feminist geography, geography of globalization, geography of development

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1957

GRADUATE PROGRAM FOUNDED: 1966

DEGREES OFFERED: B.A. and B.S. in Geography, M.S. in Geographical Studies

DEGREES GRANTED 7/1/12-6/30/13: 52 Bachelors, 11 Masters

**STUDENTS IN RESIDENCE: 120 Majors, 31 Masters
NOT IN RESIDENCE: 15**

CHAIR: Gillian Acheson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Gillian Acheson, Chair, Department of Geography, Box 1459, Southern Illinois University Edwardsville, Edwardsville, Illinois 62026-1459. Telephone (618) 650-2090. Fax (618) 650-3591. E-mail: gacheso@siue.edu. Internet: www.siu.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The diversity of faculty interests permits a variety of options for specializations at both the undergraduate and graduate levels. The department has a modern and well-equipped spatial analysis laboratory. Internships with various private and public organizations in the southwestern Illinois region and St. Louis, Missouri, metropolitan area may be available for undergraduate and graduate students.

The departmental faculty are engaged in ongoing research in the St. Louis metropolitan area, which provides the opportunity for independent projects in which geographic skills can be applied toward solving real world problems. Undergraduate and graduate students have the opportunity to work on faculty-led research projects. In addition, a number of internship opportunities are available in the local area. Courses are offered during the day and evenings, which permit students to combine their education with part-time or full-time jobs.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The University is on the semester system with 120 semester hours required for graduation. The department offers a B.A. or B.S. program in Geography consisting of 36 semester hours. A minor or an Area of Specialization (18 hours) related to career goals is required. Inquiries regarding financial aid may be directed to the Financial Aid Office.

GRADUATE: The Department offers a 30-semester hour program leading to a Master of Science in Geographical Studies. A core of four courses (12 hours) is required which consists of courses in research methods, techniques, history and philosophy, and one seminar. With the approval of the department, up to 12 hours from related disciplines may be applied toward the degree program. Students frequently take courses in the Computer Science, Education, Environmental Studies, Computer Management Information Systems, Mathematics, or Public Administration programs. A variety of program options are possible and course of study can be structured to reflect individual goals and objectives. Both a thesis and non-thesis option are available within the M.S. The non-thesis option requires 6 hours of additional coursework

and the successful completion of written examinations and a directed research problem.

To be admitted to the program, students should have preparation in Geography or related areas and an undergraduate grade point average of 2.8 (on a 4.0 scale) or better. Applicants who do not meet these requirements may be considered on a case-by-case basis. The Department has graduate assistantships that provide a stipend and tuition waiver for qualified students on a competitive basis.

FULL AND PART-TIME FACULTY: The Geography Department has 12 full-time faculty, one of whom is jointly appointed with the Environmental Sciences program.

Gillian Acheson, Ph.D., Texas A&M University, 2003, Associate Professor and Chair — geographical education, human geography, cultural landscape, population, social justice

Stacey R. Brown-Amilian, Ph.D., Oklahoma State University, 2011, Assistant Professor — human geography, medical geography, GIS, quantitative methods

Michael L. Grossman, Ph.D., University of Wisconsin, 2003, Associate Professor — physical geography, geomorphology, hydrology

James Hanlon, Ph.D., University of Kentucky, 2008, Assistant Professor — urban, cultural, and historical geography, public and affordable housing, urban redevelopment, racial segregation and inequality, social theory

Mark L. Hildebrandt, Ph.D., Arizona State University, 1999, Associate Professor — climatology, meteorology, polar and alpine environments

Shunfu Hu, Ph.D., University of Georgia, 1998, Professor — GIS, multimedia mapping, remote sensing

Susan E. Hume, Ph.D., University of Oregon, 2005, Associate Professor — Ethnicity and race, immigrant and refugee adaptation, migration studies, cultural geography, urban geography, geographic education

Adriana E. Martinez, Ph.D., University of Oregon, 2013 Assistant Professor — fluvial geomorphology, physical geography, GIS

Francis O. Odemerho, Ph.D., Clark University, 1982, Associate Professor — physical geography, geomorphology, Africa

Randall S. Pearson, Ph.D., Indiana State University, 1993, Professor and Director of the Laboratory for Applied Spatial Analysis — remote sensing, GIS, physical geography

Wendy Shaw, Ph.D., University of Georgia, 1994, Professor and Associate Dean, College of Arts and Sciences — cultural, philosophy/history of geography, development, geographic education

Bin Zhou, Ph.D., University of Georgia, 1995, Professor — economic and urban geography, quantitative techniques, Asia

SOUTHWESTERN ILLINOIS COLLEGE

**DEPARTMENT OF GEOGRAPHY, HISTORY, AND
POLITICAL SCIENCE**

**DEGREES OFFERED: A.S. with a concentration in
Geography**

CHAIR: Carolyn Myers

FOR FURTHER INFORMATION WRITE TO: Jeff Arnold, Southwestern Illinois College, Department of Geography, History, and Political Science, 2500 Carlyle Rd., Belleville, Illinois 62221-5899. Telephone (618) 235-2700, ext. 5412. Fax (618) 235-1578. Internet: www.swic.edu

COURSES OFFERED: World Regional Geography, Introduction to Weather and Climate, GIS I, GIS II, Economic Geography, Field Course: Travel/Study Tour, Regional: North America

**MATRICULATION AGREEMENTS WITH FOUR-YEAR
COLLEGES/UNIVERSITIES:** The State Universities of Illinois.

FACULTY:

Jeff Arnold

PART-TIME FACULTY:

R. Lynn Bradley

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

**DEPARTMENT OF GEOGRAPHY AND GEOGRAPHIC
INFORMATION SCIENCE**

DATE FOUNDED: 1945

GRADUATE PROGRAM FOUNDED: 1950

DEGREES OFFERED: B.A., M.A., M.S., Ph.D.

**GRANTED 9/1/12-8/31/13: 15 Bachelors, 7 Masters, 5
Ph.D.**

**STUDENTS IN RESIDENCE: 33 Majors, 7 Masters, 32
Ph.D., 1 Non-Degree**

HEAD: Sara L. McLafferty

DEPARTMENT ADMINISTRATIVE ASST: Susan Etter

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO:** Graduate Director, Department of Geography and Geographic Information Science, 255 Computing Applications Building, University of Illinois, 605 E. Springfield Ave., Champaign, Illinois 61820. Telephone: (217) 333-1880. Fax (217) 244-1785. E-mail: geograph@illinois.edu. Internet: www.geog.illinois.edu.

PROGRAMS AND RESEARCH FACILITIES: The department is organized into three areas of specialization for training of graduate students: 1) Geographic Information Science including regional science, computational GIS and cyberinfrastructure, and applications of GIS to geographic problems; 2) River, watershed and landscape dynamics concentrating on fluvial geomorphology, watershed hydrology, and landscape modeling; and 3) Society, space and environments concentrating on urban geography, development geography, politics of the environment, geographies of policing, transportation and mobilities, and social dimensions of environmental policy. Strong support for research is also provided through the various area centers (African, East Asian and Pacific, European Union, Latin American and Caribbean, South Asia and Middle Eastern, Russian, East European and Eurasian).

Departmental facilities include two instructional GIS laboratories with state-of-the-art hardware and a variety of software including ArcGIS, ERDAS, ENVI, and spatial statistical software. The department also has an Earth materials laboratory for soil and fluvial analysis. The department is home to several specialized research centers: 1) the Regional Economics Applications Laboratory, a cooperative venture between the University of Illinois and the Federal Reserve Bank in Chicago, focusing on the development and use of analytical models for urban and regional forecasting and economic problem solving; 2) the CyberGIS Center for Advanced Digital and Spatial Studies, which was established as a partnership among several units on campus, and focuses on computationally intensive spatial analysis and modeling, high-performance and collaborative GIS, and cyberinfrastructure-based geospatial problem-solving environments and applications; 3) the Social Dimensions of Environmental Policy Initiative which aims to improve management of the earth's environment through research

on social and policy dimensions of sustainability. Other research facilities on campus include the largest publicly supported university library in the United States. The Map and Geography Library contains an excellent collection of monographs and journals and one of the largest map collections in the country. There is also access to the National Center for Super Computing Applications, and the department has close research and teaching ties to the Illinois State Geological, Natural History, and Water Surveys and their analytical facilities.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester systems. Minimum standard for admission to the Masters program is a B average, higher for the Ph.D. program. Scores from the Graduate Record Examination must be submitted. Teaching assistantships, research assistantships and several Graduate College and departmental fellowships are available. Currently, one-half time nine-month appointments for assistants carry a minimum stipend of about \$15,803 plus remission of tuition. Nearly all resident graduate students are supported by fellowships, scholarships, and assistantships.

FACULTY:

Thomas J. Bassett, Ph.D., California-Berkeley, 1984, Professor — African agrarian systems, political ecology, agriculture development and socio-cultural change, history of cartography
James Best, Ph.D., London, 1985, Professor — process sedimentology, flow-sediment interactions
Trevor Birkenholtz, Ph.D., The Ohio State University, 2007, Assistant Professor — political ecology, development, social theory, nature-society relations, vulnerability, South Asia, water resources
Ashwini Chhatre, Ph.D., Duke, 2006, Associate Professor — environmental politics, geography of south Asia, political science
Julie Cidell, Ph.D., Minnesota, 2003, Associate Professor — transportation, GIS, economic geography, urban political ecology, urban sustainability
Jonathan Greenberg, Ph.D., California-Davis, 2004, Assistant Professor — remote sensing, landscape ecology, vegetation-climate interactions
Geoffrey J.D. Hewings, Ph.D., Washington, 1969, Professor and Director, Regional Economics Applications Laboratory — regional science, methods of urban and regional analysis, regional economic models and forecasting
Brian J. Jefferson, Ph.D., New School for Social Research, 2013, Assistant Professor — urban geography, carceral geography and critical social theory
Ezekiel Kalipeni, Ph.D., North Carolina, Chapel Hill, 1986, Professor — environmental and resource issues, population, migration, health care, Africa
Mei-Po Kwan, Ph.D., University of California, Santa Barbara, 1994, Professor — environmental health, mobility, urban/transport geography, GIScience, ICT
Sara L. McLafferty, Ph.D., Iowa, 1979, Professor and Head — geography of health, spatial analysis, urban geography, GIS
Bruce L. Rhoads, Ph.D., Arizona State, 1986, Professor — fluvial geomorphology, environmental management, stream restoration, philosophy of geomorphology
Jesse Ribot, Ph.D., California-Berkeley, 1989, Professor — environmental policy, local government, rural representation, distributional equity, social vulnerability
Heath Robinson, Ph.D., University at Buffalo, 2010, Clinical Assistant Professor — GIS, political geography, state theory, geopolitical ontology, virtual worlds
Murugesu Sivapalan, Ph.D., Princeton, 1986, Professor — watershed hydrology, runoff processes, chemical and biological processes in water quality

Shaowen Wang, Ph.D., Iowa, 2004, Professor and Director, CyberInfrastructure and Geospatial Information Laboratory, Senior Research Scientist-NCSA — cyberinfrastructure, geographic information science, large-scale geospatial problem solving

David Wilson, Ph.D., Rutgers, 1985, Professor — urban, social theory, political, neighborhood dynamics

EMERITI FACULTY:

Thomas D. Frank, Ph.D., Utah, 1979, Associate Professor Emeritus — biophysical, remote sensing, geographic information systems, arid lands
Bruce M. Hannon, Ph.D., Illinois, 1970, Professor Emeritus — energy use and conservation, environmental planning, ecological modeling
John A. Jakle, Ph.D., Indiana, 1967, Professor Emeritus — historical, cultural, urban social geography, American landscape
John Thompson, Ph.D., Stanford, 1958, Professor Emeritus — cultural, historical, Latin America, wetlands drainage history
Colin E. Thorn, Ph.D., Colorado, 1974, Professor Emeritus — alpine and periglacial geomorphology, philosophy and theory of geomorphology

DEPARTMENTAL AFFILIATES:

Andrew M. Bauer, Ph.D., U. Chicago, 2010, Assistant Professor — political ecology, space/place/landscape, nature/culture, political anthropology, archaeological theory
Bethany Cutts, Ph.D., Arizona State Univ., 2010, Assistant Professor — human dimensions of the environment, sustainable agriculture, and agroecology
Paul F. Diehl, Ph.D., U. Michigan, 1983, Professor, Political Science — war and peace, international organizations, ethnic conflict
Brian Dill, Ph.D., U. of Minnesota, 2007, Assistant Professor — development, political sociology, globalization, sustainability, renewable energy
Zsuzsa Gille, Ph.D., California-Santa Cruz, 1999, Associate Professor, Sociology — environmental sociology, sociology of knowledge, globalization
Jenny M. Johnson, M.S., Illinois, 1985, Map and Geography Librarian and Associate Professor of Library Administration — maps, journals, and other library/geography issues
Faranak Miraftab, Ph.D., Berkeley, 1995, Associate Professor, Urban and Regional Planning — social aspects of urban development
Marilyn O'Hara, Ph.D., Florida-Gainesville, 1995, Clinical Assistant Professor, Veterinary Diagnostic Laboratory, Veterinary Medicine — GIS, cartography, medical geography
Gary Parker, Ph.D., Minnesota, 1974, Professor, Civil Engineering and Geology — river morphodynamics, turbidity flows, alluvial processes
Surangi Punyasena, Ph.D., Chicago, Assistant Professor, Plant Biology — ecology, evolution, conservation

DEPARTMENTAL ADJUNCTS:

James R. Angel, Ph.D., Illinois, 1996, Professional Scientist and Illinois State Climatologist, Illinois State Water Survey — applied climatology, hydroclimatology, statistics, climate change and climate-product delivery systems
Richard C. Berg, Ph.D., Illinois, 1979, Senior Geologist, Interim Director, Geologic Mapping Program, Illinois State Geological Survey — quaternary studies, groundwater protection, mapping techniques
Adrian Bailey, Ph.D., Indiana, 1989, Professor, Bristol UK — population, migration, economic, social geography
Charles Ehlschlaeger, Ph.D., California Santa Barbara, 1998 — environmental modeling
William D. Goran, M.S., Illinois, 1976, Soil Scientist, U.S. Army Construction Engineering Research Laboratory — land analysis, computer-based systems, software development

Donald Wade Jones, Ph.D., Chicago — risk management, infrastructure productivity and benefit estimation, transportation demand and fatality forecasting

Donald Luman, Ph.D., University of Illinois, 1978 — energy-earth resources, environment, geologic mapping, hazards, water, wetlands, coastal energy

James Westervelt, Ph.D., Illinois, 1996, Research Scientist, Construction Engineering Research Laboratory — ecological modeling, GIS, urban planning

Derek Winstanley, Ph.D., Oxford, 1970, Illinois State Water Survey — climatology, air quality, science and policy, water resources, exploration, industrial revolution

WESTERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1917

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.S. Geography, B.S.

Meteorology, M.A. Geography

GRANTED 7/1/12-5/16/13: 10 Bachelors, 3 Masters

STUDENTS IN RESIDENCE: 90 Undergraduate, 15 Graduate

NOT IN RESIDENCE: 3 Masters

CHAIR: Samuel Thompson

DEPARTMENT ADMINISTRATIVE ASST: Deborah Lutz

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Samuel Thompson, Chair, Department of Geography, Western Illinois University, 1 University Cir., Macomb, Illinois 61455-1390. Telephone (309) 298-1648. Fax (309) 298-3003. E-mail: geography@wiu.edu. Internet: www.wiu.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The department offers three options within its M.A. program: thesis, applied project, and two papers. Each of these programs provides students with a high degree of flexibility. Only two core courses are common to each program. All other aspects of the program are elective, and can be tailored to suit individual objectives. The thesis option is intended for those who plan to enter a doctoral program and/or pursue careers in research. The applied project option is designed to give students practical real-world work experience on a project that may involve an internship. Finally, the two-paper option is for students who view the degree as a terminal degree. Students in all programs must submit a proposal for their final product (thesis, applied project or two papers) and defend the results of their undertaking before a three-member faculty committee.

Department facilities are housed in Tillman Hall and include office space for all full-time graduate students; two GIS labs with more than 60 networked machines running ESRI GIS software and ERDAS Imagine; a County GIS Center responsible for all GIS analysis for the City of Macomb and McDonough County; meteorology laboratory with Linux computers, weather station and weather radar.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The department offers Bachelor of Science degrees in Geography and Meteorology as well as minors in Geography, Meteorology and GIS. The Geography degree includes emphases in either cultural or physical geography. The Meteorology degree is designed to meet the NWS and AMS curricular requirements.

GRADUATE: Admission requires that the applicant have a Bachelor's degree from an accredited institution and an overall grade-point average of at least 2.5 (on a 4-point scale), or a grade-point of at least 2.75 for the last two years of undergraduate work. Applicants should have completed at least 24 semester hours of Geography. Students who lack preparation in basic cartographic techniques and/or basic quantitative analysis techniques are required to complete coursework as deficiencies. Students with deficiencies may elect to—and are strongly encouraged to—complete deficiencies prior to beginning the program. Graduate assistantships are available. Assistants receive monthly stipends and their tuition charges are waived. The GRE is not required.

FACULTY:

Marcus Buker, Ph.D., Wisconsin, 2004, Assistant Professor — Advanced meteorology

Jongnam Choi, Ph.D., Georgia, 2001, Professor — climatology, satellite meteorology, biogeography

Yongxin Deng, Ph.D., Southern California, 2005, Associate Professor — GIS, soils, conservation, world regional

Sunita George, Ph.D., Georgia, 1999, Associate Professor — World regional, population, women studies

Raymond Greene, Ph.D., Georgia, 2000, Associate Professor — GIS, quantitative methods, Africa

Redina Herman, Ph.D., Illinois, 2003, Associate Professor — Advanced meteorology

Ranbir Kang, Ph.D., Oklahoma State, 2005, Assistant Professor — Physical Geography, GIS

Julie W. Lawless, Ph.D., University of Kansas, 2012, Assistant Professor — planning, policy, world regions

Fuyuan Liang, Ph.D., Georgia 2008, Assistant Professor — Pleistocene geomorphology, physical, remote sensing

Christopher D. Merrett, Ph.D., Iowa, 1994, Professor and Director, Illinois Institute for Rural Affairs — geographic thought, political geography, Canada and the United States

Susan Romano, Ph.D., Southern Illinois University-Carbondale, 2006, Associate Professor, Joint appointment with Biological Sciences — GIS

Christopher J. Sutton, Ph.D., Denver, 1995, Professor — urban, cartography

Samuel Thompson, Ph.D., Akron, 2001, Professor — planning, population, Africa

INDIANA

BALL STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

DEGREES OFFERED: B.A., B.S., M.S.

GRANTED 07/01/12 – 06/30/13: 42 Bachelors

MAJORS: 150 Majors, 9 Masters

CHAIR: Kevin Turcotte

DEPARTMENT ADMINISTRATIVE COORDINATOR:
Teresa Wilson

FOR CATALOG INFORMATION WRITE TO: Kevin Turcotte, Ball State University, Geography, Muncie, Indiana 47306-0470. Telephone (765) 285-1776. Fax (765) 285-2351. Internet: turk@bsu.edu. World Wide Web: http://www.bsu.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES:

PROGRAMS: The Department of Geography offers both undergraduate and graduate programs that integrate education and technical training

for purposes of analyzing space and time from a geographic perspective. Undergraduate programs in comprehensive geography, travel/tourism, GIScience and meteorology/climatology lead to B.A. or B.S. degrees, or to one of four minors in geography for students majoring in peripheral fields. M.S. degree emphasis is typically either GIScience or Applied Atmospheric Sciences, although flexibility exists to prepare students for a variety of positions in industry, business, education, and government.

Faculty expertise is found within the areas of cultural-historical geography, urban geography, political geography, geographic education, tourism, cartography, remote sensing/GIS, applied meteorology and climatology, and environmental hazards. Regional specializations include Europe and Russia, South and East Asia, and North America.

RESEARCH FACILITIES: The Department of Geography is housed in the Cooper Science Building with excellent facilities for research and grant/contract work. A staff cartographer is also available. Facilities include labs for GIScience and meteorology/climatology.

The Geography Department houses the GIScience Teaching and Learning Lab which consist of two spaces dedicated to teaching and research in the GISciences. This teaching space accommodates up to 30 students and provides an environment especially conducive to collaborative methodologies and active learning. Each student has updated desktop computers with access to the latest versions of GIS, remote sensing, and other geospatial software packages that are part of the GIScience curriculum at Ball State. The research space accommodates 12-14 people and provides an opportunity for interdisciplinary and/or specialized research using the tools of GIScience. The space features 12 high-end customizable workstations with access to all the GIScience software available in the teaching space. These labs are open to all Geography majors and students enrolled in departmental courses. Ball State University has site licenses for ESRI and Adobe software.

The department also houses the BSU Meteorology and Climatology Laboratory, which serves a focal point for the analysis of real-time meteorological and climatological data. Primary operations of the weather station include the collection of data through real-time weather observations, the compilation and summarization of weather data, the communication of severe weather information to broadcast media and general public, and the development of both short-and long-term weather forecasts. The BSU Meteorology and Climatology Laboratory serves as the center of the operations for the Ball State Storm Chase Team, which provides real-time field observations of severe weather in central Indiana in support of National Weather Service and local emergency management severe weather operations.

Research at Ball State University is also supported through the Alexander M. Bracken Library which offers convenient access to more than 1.5 million books, periodicals, microforms, audiovisual materials, microcomputer software, government publications, manuscripts, archival records, and electronic databases. The Bracken Library is a depository for over 145,000 maps from the U.S. Geological Survey, U.S. Defense Mapping Agency, U.S. National Ocean Service, and Indiana Geological Survey. Additional materials not directly available from Bracken Library may be obtained through Interlibrary Loan (ILL).

Ball State University is located in Muncie (population 67,000), Indiana, situated within an agricultural region consisting of small towns in close proximity to the Great Lakes and the metropolitan area of Indianapolis (population 1.5 million). These physical and cultural surroundings offer a wide variety of settings for geographic research. Muncie itself (also known as "Middletown, USA") has been the focus of well-known cultural and social research since the 1920s which has popularized the city as *the* "representative" American community.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Ball State University operates on a semester system. There are two five-week summer sessions and a single ten-week summer semester.

ACADEMIC PLAN - UNDERGRADUATE: The undergraduate Geography program at Ball State University offers four different options within the major, each one encouraging students to develop analytical skills in their own particular area(s) of interest.

Option 1. Comprehensive Geography. This option is particularly attractive to students who desire a broad liberal arts background with emphasis on regional studies and geographic methodologies and who seek careers in education, government, or business at local, state, national, and international levels.

Option 2. Travel and Tourism. This option offers students broad knowledge, analytical skills, and practical experience that are beneficial for successful careers in the travel and tourism industry. This sequence of specialized courses addresses spatial, organizational, social, and economic aspects of travel and tourism growth and development, regions, and the interaction between the tourist and the destination.

Option 3. GIScience. This option is a technical specialization for students interested in solving social and environmental problems through advanced spatial information technology. Students learn how to visualize information in ways that reveal relationships, patterns, and trends by using computer software for cartography, remote sensing, and Geographic Information Systems (GIS).

Option 4. Meteorology and Climatology. This option is designed for students seeking careers in meteorology and climatology, or professions strongly connected to weather and climate. While developing a solid understanding of the theory of atmospheric behavior (dynamics and thermodynamics) is a principal objective of the program, we are also strongly focused on the application of that knowledge to solve problems in a variety of applied settings. Two separate tracks and a minor are offered to address a variety of intended career directions. The *General Track* is provided for students interested in positions where a general knowledge of operational meteorology and climatology is of value in satisfying primary task objectives. Examples include emergency management, environmental analysis, and transportation planning. The *Professional Meteorologist Track* has been designed to meet Federal Civil Service requirements (GS-1340) for employment with the National Weather Service, and to qualify students for the American Meteorological Society (AMS) Certified Broadcast Meteorologist (CBM) title. The *Minor in Meteorology and Climatology for Weathercasters* provides students the backgrounds necessary to effectively communicate weather information to the public, in many cases through the broadcast media. Students that wish to pursue careers as broadcast meteorologists have the option to complete either the Professional Meteorologist Track, which qualifies them for the AMS CBM program, or the Minor in Meteorological and Climatology, that prepares them to meet National Weather Association (NWA) Broadcast Seal of Approval qualifications. A variety of extra-curricular activities in support of the Meteorology and Climatology option are available for both undergraduate and graduate students. These include the Ball State Storm Chase Team, the BSU Wx Challenge team, the Central Indiana Chapter of the National Weather Association, and participation in regional and national meteorology, climatology, and geography conferences.

The department also offers minors in geography, travel and tourism, meteorology and climatology, and GIScience.

ACADEMIC PLAN - GRADUATE: Specialized M.S. programs in GIScience and Applied Atmospheric Sciences apply to state-of-the-art technologies such as remote sensing, GIS, and advanced cartographic methods in various sub-disciplines of geography and allied sciences. A set of core courses in geographic theory (history and philosophy,

research methods, quantitative methods) and a thesis project are requirements of both M.S. programs.

GIScience Emphasis. The GIScience emphasis provides advanced education and training in the area of spatial analysis, with intensive studies in cartography, remote sensing, and GIS. Among the essential components of the program are theory, research methods, and application development. To fulfill this goal, practical experience obtained from internships and field research is integrated into the formal curriculum. A wide range of courses are available to meet the student's specific interests. The courses range from advanced cartography, remote sensing, and GIS methods of analysis to designing customized interfaces for modeling and/or viewing purposes. Students can choose to specialize in one of the technical areas or all three. Thesis research topics can be in human or physical geography.

Applied Atmospheric Science Emphasis. The Applied Atmospheric Science emphasis is designed to meet the educational needs of students with strong interests in climatology, weather analysis and forecasting, severe local storms, climate dynamics related to severe local storm environments, and/or mitigation of severe weather in an emergency managements setting.

GRADUATE ADMISSION REQUIREMENTS: All successful applicants must first meet the requirements of the Graduate School, then be accepted for graduate work by the Department of Geography. Separate application packets are required for the Graduate School and the department. The department application packet must include GRE scores, transcripts of all previous undergraduate and graduate coursework, three letters of reference, and a carefully constructed statement of the student's research interests.

FINANCIAL AID: There are several research assistantships available that provide full-tuition remission and a stipend. Students receiving stipends provide 20 hours of service per week.

FACULTY:

Christopher Airriess, Ph.D., Kentucky, 1989, Professor — development, cultural landscapes, ethnicity, Southeast and East Asia
Reuben Allen, M.S., Ball State, 2003, Instructor — physical geography, cultural geography and world regional geography
Call, David, Ph.D., Syracuse University, 2007, Associate Professor — weather and society, climatology, hazards and meteorology
Jill Coleman, Ph.D., Ohio State, 2005, Associate Professor — climatology, bioclimatology, quantitative methods
Michael Hawkins, Ph.D., Louisiana State, 1999, Assistant Professor — travel & tourism, cultural, Latin America
Nathan Hitchens, Ph.D., Purdue University, 2010, Instructor — forecast evaluation and verification, climatology, and extreme weather
Jerzy Jemioło, Ph.D., Jagiellonian (Krakow, Poland), 1982, Associate Professor — tourism, transportation, cultural, Europe, Russia
Steven Radil, Ph.D., Illinois, 2011, Assistant Professor — political, urban, GIS, east/central Africa
Carol Shears, M.A.E., Ball State, 1982, Assistant Professor — geographic education, physical geography
Kevin Turcotte, Ph.D., Indiana State, 1990, Professor and Chair — GIS, programming GIS
Gopalan Venugopal, Ph.D., Indiana State, 1985, Professor — remote sensing, geographic information systems, urban, Asia
Jason Yang, Ph.D., University of Rhode Island, 2003, Associate Professor — remote sensing, geographic information systems, spatial statistics, research methods
Petra Zimmermann, Ph.D., University of Delaware, 2003, Associate Professor — applied climatology and meteorology, geographic information systems, quantitative methods

INDIANA STATE UNIVERSITY

DEPARTMENT OF EARTH AND ENVIRONMENTAL SYSTEMS

DATE FOUNDED: 1893

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: B.A. and B.S. in Earth and Environmental Sciences, Human and Environmental Systems, M.A. in Geography, M.S. in Earth and Quaternary Sciences, Ph.D. in Spatial and Earth Sciences, Minors are available in Geography, Geosciences, Environmental Sciences, Anthropology, Climatology, Sustainability, and GIS

GRANTED 2012-2013: 15 Bachelors, 11 Masters, 1 Ph.D.

STUDENTS IN RESIDENCE: 78 Majors, 18 Masters, 9 Ph.D.

NOT IN RESIDENCE: 2 Masters, 2 Ph.D.

CHAIRPERSON: C. Russell Stafford

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. C. Russell Stafford, Department of Earth and Environmental Systems, Indiana State University, 6th & Chestnut, Terre Haute, Indiana 47809. Telephone (812) 237-2444. Fax (812) 237-8029. E-mail: Russell.Stafford@indstate.edu Web: <http://www.indstate.edu/ees>

PROGRAMS AND RESEARCH FACILITIES: The Department offers undergraduate students the opportunity to major in earth and environmental sciences (concentrations in geoscience or atmosphere and surface processes) and human and environmental systems (concentrations in geography, GIScience or anthropology). At the graduate level, the Department offers Masters of Arts degree in Geography, Master of Science in Earth and Quaternary Sciences; and Doctor of Philosophy degree in Spatial and Earth Sciences with concentrations in geography and earth sciences.

Exceptional opportunities exist at ISU in GIS and remote sensing applied to systematic and regional topics. General requirements for each specialty area and degree vary, and interested students should contact the Chairperson of the Department for more detailed information.

The Department of Earth and Environmental Systems is housed in contemporary quarters with space and excellent facilities for research and grant/contract work. There are at present a map library (290,000 flat maps) and 12 labs, including the Center for Remote Sensing and Geographic Information Systems (GIS), Center for Urban and Environmental Change (CUEC), Climatology Laboratory (including the NOAA/NWS surface weather station), Archaeology and Quaternary Research Laboratory, dendrochronology laboratory, environmental geology laboratory, paleontology/paleoenvironmental laboratory, geochemistry laboratory, human osteology laboratory, sedimentology/geomorphology laboratory, Hook Memorial Observatory, sample preparation rooms, and graduate office space. The Department owns five vehicles to assist with fieldwork and research.

Current research in physical geography includes climatology (cyclogenesis and low level wind maxima), biogeography, dendrochronology, and environmental modeling (land use/land cover modeling, habitat mapping).

Current research in human geography focuses on urban, regional, and global change. In recent years, faculty have investigated land conflict and change in Brazil, regional economic development policy, urban land use, the socio-spatial politics of globalization, and GIS and ethics.

The Center for Urban and Environmental Change (CUEC) focuses on studies of the causes, effects, and responses to environmental change

in cities and urban/suburban areas, especially those in Indiana and the Midwest. Programs and activities relate to both the science and the management of urban environmental change, including policy, regulation, technology, impact adaptation, mitigation, and remediation.

FINANCIAL AID: Twelve undergraduate scholarships are available on a competitive basis. Graduate assistantships are awarded to qualified students. PhD teaching assistantship stipends range in value up to \$11,300 per academic year; MA stipends range in value up to \$9,100 per academic year. Students receiving stipends teach classes or labs, work part-time as assistants to the faculty, or render other services to the department. Before a stipend can be offered, a student must be admitted to the College of Graduate and Professional Studies. Scholarships are also available which include remission of tuition except service fees.

APPLYING: Requirements for admission include submission of GRE aptitude test scores (Verbal and Quantitative sections) and an undergraduate-level GPA of 3.0 or better or a graduate-level GPA of 3.25 on a 4.0 scale. Entering doctoral students should have a written master's thesis or should provide evidence of the ability to write original material.

FACULTY:

Stephen Aldrich, PhD, Michigan State, 2009 Assistant Professor — environmental science, GIS
Susan M. Berta, PhD, Oklahoma, 1986, Associate Professor — geomorphology, physical geography, remote sensing
Gregory D. Bierly, PhD, Michigan State, 1996 Professor and Director of University Honors Program — climatology, physical geography
Sandra S. Brake, PhD, Colorado School of Mines, 1989, Professor — environmental geology, geochemistry, geobiology, mineralogy, igneous petrology
Kathleen M. Heath, PhD, Utah, 1999, Associate Professor — evolutionary ecology, mating and parenting strategies, life history, collective action
Jennifer C. Latimer, PhD, Indiana University, 2005, Associate Professor — sediment geochemistry, oceanography, paleoceanography, environmental geochemistry, biogeochemistry, medical geology
Nancy J. Obermeyer, PhD, Chicago, 1987, Associate Professor — GIS, urban, cultural
Mohamed Elyassini, PhD, Kentucky, 1995, Associate Professor — globalization, Middle East, human geography
Shawn Phillips, PhD, SUNY Albany, 2001 Associate Professor — biological anthropology, forensic anthropology
Steven Pontius, PhD, Minnesota, 1977, Professor — applied geography, cartography, regional geography, geographic education
Anthony Rathburn, PhD, Duke, 1992, Professor — oceanography, paleontology
James Speer, PhD, Tennessee, 2001, Professor — biogeography, climatology, dendrochronology
C. Russell Stafford, PhD, Arizona State, 1981, Professor — geoarchaeology, GIS, Midwest Archaic societies
Jeffery Stone, PhD, Nebraska 2005, Assistant Professor — paleolimnology, diatoms, paleoecology
Qihao Weng, PhD, Georgia, 1999, Professor — remote sensing, GIS, environmental modeling

ADJUNCT FACULTY:

Karla Hansen-Speer, PhD, Washington University, 2006 — archaeology, paleoethnobotany, dendrochronology, southwest US

EMERITI FACULTY:

William A. Dando, PhD, Minnesota
Prodip Dutta, PhD, Indiana

INDIANA UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1946

GRADUATE PROGRAM FOUNDED: 1946

DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.

GRANTED 6/1/12-5/31/13: 18 Bachelors, 5 Masters, 2 Ph.D.

STUDENTS IN RESIDENCE: 48 Majors, 7 Masters, 11 Ph.D.

NOT IN RESIDENCE: 4 MA, 5 Ph.D.

CHAIR: Daniel C. Knudsen

DEPARTMENT ADMINISTRATIVE ASST: Jane Lewis, Susan White

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Susan White, Department of Geography, Indiana University, Student Bldg. 120, Bloomington, Indiana 47405. Telephone: (812) 855-6303. Fax: (812) 855-1661. E-mail: geog@indiana.edu. Internet: www.indiana.edu/~geog.

PROGRAMS AND RESEARCH FACILITIES: The M.A., M.S., and Ph.D. programs are designed to develop each student's abilities to carry out significant research in geography. Graduate study within the department is comprised of five fields: climate, land and environmental change, food and agriculture, geographic information systems and remote sensing, globalization, development and justice, and water resources. Courses in theory, research design, and methods constitute the core of study for all advanced degrees.

Requirements for the M.A. and M.S. degrees include a set of core courses, a Master's thesis or two research papers, and a comprehensive examination. Students studying for the Ph.D. are expected to develop a command of theory in their areas of research specialization and demonstrate a capacity to carry out independent research of significant importance. Formal requirements include a comprehensive examination and completion of the Ph.D. dissertation.

Undergraduate studies leading to the B.A. or B.S. degree emphasize geography as the basis of a strong liberal education. Undergraduate students are also encouraged to develop analytical skills in areas such as geographic information science and statistics.

Indiana University ranks among the top universities in the nation with respect to computing facilities.

The department works closely with other divisions of Indiana University, including the Center for the Study of Institutions, Population and Environmental Change, the Population Institute for Research and Training, the Transportation Research Center, the Center for Study of Global Change, the Russian and East European Institute, East Asian Studies, Latin American and Caribbean Studies, African Studies, Institute for European Studies, and Central Eurasian Studies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Indiana University is on the semester system. An undergraduate major in geography, or a close equivalent, and a B average are required for admission to the M.A. or M.S. programs. A M.A. or M.S. in geography or the equivalent is required for admission to the Ph.D. program. GRE scores must be submitted (minimum of at least 151 on verbal, 150 on quantitative, and 4.5 or better on analytical). Many graduate students receive financial support as teaching assistants or through fellowships and scholarships. Almost all financial awards include fee scholarships which cover the costs of tuition. Teaching assistants may carry up to 12 hours of graduate credit per semester and are expected to work 20 hours per week in the department. Other awards include University Fellowships, Dissertation Year Fellowships, summer fellowships, and grants-in-aid

for doctoral students. Applications for financial aid should be received by February 1.

FACULTY:

Majed Akhter, Ph.D., University of Arizona, 2013, Assistant Professor — Water law/policy, Political ecology of development, Agrarian political economy, Marxist geography and geopolitics, Modern Pakistan and South Asia

Ishan Ashutosh, Ph.D., Syracuse University, 2010, Assistant Professor — Migration, Ethnicity, Urban geography

Tom Evans, Ph.D., University of North Carolina, Chapel Hill, 1998, Professor — Human-Environment Interactions, Agricultural Decision-making, Water Governance, GIS/Spatial Modeling

Darren Ficklin, Ph.D., University of California, Davis, 2010, Assistant Professor — Watershed hydrology and water quality modeling, Impacts of climate change on the hydrologic cycle, impacts of climate change on aquatic species and ecosystems

James King, Ph.D., University of Guelph, 2006, Visiting Assistant Professor — Geomorphology, Arid Environments, Climatology

Cody Kirkpatrick, Ph.D., University of Alabama, Huntsville, 2010, Lecturer — Atmospheric Hazards, Numerical Weather Prediction, Climatology of Severe Weather

Tae Hee Hwang, Ph.D., University of North Carolina, Chapel Hill, Assistant Professor — Eco-hydrology, Remote Sensing, Biogeography

Daniel C. Knudsen, Ph.D., Indiana University, 1984, Professor — Cultural Geography, Landscape, Food and Tourism Geography

Rebecca Lave, Ph.D., University of California, Berkeley, 2008, Assistant Professor — Critical physical geography, Political Ecology, Political Economy and Social Theory, Science and Technology Studies, Stream Restoration and Fluvial Geomorphology

Justin Maxwell, Ph.D., University of North Carolina, Greensboro, 2012, Assistant Professor — Climatology, Biogeography, Dendrochronology, Forest Disturbances

Jillian Rickly-Boyd, Ph.D., Indiana University, 2012, Visiting Assistant Professor — Geohumanities, Cultural Studies, Mobilities, Tourism Studies, Landscape Studies, Environmental Perceptions, Critical Heritage Studies

Scott Robeson, Ph.D., University of Delaware, 1992, Professor — Climate Change Detection, Impacts of Climate Change and Variability, Spatial Data Analysis, Environmental Statistics

Rinku Roy Chowdhury, Ph.D., Clark University, 2003, Assistant Professor — Land Change Science, Human Dimensions of Global Environmental Change, Cultural and Political Ecology, GIS/RS, and Landscape and Conservation Ecology

Roman Zlotin, Ph.D., USSR Academy of Sciences, Moscow, 1970, Senior Lecturer — Biogeography

ADJUNCT FACULTY:

James J. Biles, Ph.D., Michigan State University, 2001, Associate Professor — Economic geography, development policy in Latin America, globalization

Eduardo Brondizio, Ph.D., Indiana University, 1996, Professor — Socio-ecological systems, environmental and economic anthropology

Timothy S. Brothers, Ph.D., University of California, Los Angeles, 1985, Associate Professor — biogeography, environment

Kelly K. Caylor, Ph.D., University of Virginia, 2003, Associate Professor — Eco-hydrology (i.e. the interface between plant ecology and surface hydrology), surface hydrology, dryland ecology & pastoralist agricultural systems, land degradation, hydrological controls on subsistence agricultural productivity.

Danilo Dragoni, Ph.D., Cornell University, 2003, Assistant Professor — energy and mass (water and carbon dioxide) exchange in urban and forest systems; plant response to change in environmental forcings

Owen Dwyer, Ph.D., Kentucky, 2000, Associate Professor — urban geography, American social movements, Civil Rights movements and the museums and memorial landscapes that commemorate it, geographic education

Chunfeng Huang, Ph.D., Texas A&M University, 2001, Associate Professor — Spatial statistics, geostatistics, smoothing splines

Phaedra C. Pezzullo, Ph.D., University of North Carolina, Chapel Hill, 2002, Associate Professor — communication, environmental justice studies, tourist studies, social movement studies

Emilio Moran, Ph.D., University of Florida, 1975, J.A. Hannah Professor of Global Change Science and Professor, Department of Geography, Michigan State University Founder, Anthropological Center for Training and Research on Global Environmental Change (ACT) — tropical ecosystem ecology, Amazon Basin, secondary successional forest, human ecology

A. Faiz Rahman, Ph.D., University of Arizona, 1996, Associate Professor — spatially distributed carbon cycle science using high resolution remote sensing; application of GIScience methods in spatial and temporal scaling studies; visualization of spatially dynamic and time-series of raster and vector data

Hans Peter Schmid, Ph.D., British Columbia, 1988, Professor — boundary-layer climatology, dynamic climatology, air pollution

Philip S. Stevens, Ph.D., Harvard University, 1990, Professor of Public and Environmental Affairs — chemical mechanisms which influence local air quality and global climate change, field measurements and modeling of the atmosphere

Dallen Timothy, Ph.D., University of Waterloo, 1996, Professor — international boundaries, heritage tourism and conservation, religious tourism, politics of heritage, global tourism

Jeffrey S. Wilson, Ph.D., Indiana State University, 1998, Professor of Geography — remote sensing and Geographic Information Science

EMERITI FACULTY:

Dennis Conway, Ph.D., University of Texas, Austin, 1976, Professor — Development, Transnational migration, Migration-development relationships

Charles E. Greer, Ph.D., University of Washington, 1975, Associate Professor — China, resource management

Ernest H. Wohlenberg, Ph.D., Washington, 1970, Associate Professor — economic, natural resources, economic developments

VALPARAISO UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND METEOROLOGY

DATE FOUNDED: 1931

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/12-8/31/13: 8 Bachelors in Geography, 1 Bachelor in GeoScience

MAJORS: 34 in Geography, 2 in Geology

CHAIR: Teresa Bals-Elsholz

GEOGRAPHY COORDINATOR: Michael Longan

DEPARTMENT ADMINISTRATIVE ASST: Rusta Ault

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Admissions, Valparaiso University, Valparaiso, Indiana 46383. Telephone (219) 464-5140. Fax (219) 548-7738. E-mail: geomet@valpo.edu. Internet: www.valpo.edu/geomet/.

PROGRAMS AND RESEARCH FACILITIES: The Department offers a B.A. in geography with strong foundational work in geography followed by concentrated study in one of four career areas: Environmental Geography, Urban Geography and Regional Planning, Computer Cartography/GIS, and Human/Cultural Geography. The B.S. in geography focuses upon environmental geography, physical

geography, and geospatial analysis. The department also offers a B.A. in Geography Education, a B.S. in Meteorology, a B.S. in Geology (in conjunction with Indiana University Northwest), and minors in Geography, Meteorology, American Indian Studies, and GIS. The Department and the University emphasize close contacts between faculty and students. Students may undertake independent study projects, work closely with faculty on undergraduate research, and complete internships. Physical facilities include a map depository of the Army Map Service and USGS; the VU Weather Center; Dual-Polarization Doppler Weather Radar; and the F.P. Kallay GIS Laboratory. Fieldwork is an important part of the curriculum. Regular courses include visits to the nearby Indiana Dunes National Lakeshore and Chicago, while field courses have been offered in Hawaii, Alaska, and Arizona's Sonoran Desert. Many students take advantage of one of Valparaiso's International Study Programs in China, Japan, England, France, Germany, Namibia, Costa Rica, or Mexico. VU students organize and participate in Geography Club and GTU. Valparaiso University's Geography Department has established and maintains a long held tradition in securing entrance into graduate programs.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester System. Application for admission to any program of the University, or for financial aid, can be obtained by visiting <http://www.valpo.edu/admission/apply/> or by writing to the Office of Admissions and Financial Aid, Valparaiso University, Valparaiso, Indiana 46383. Scholastic Aptitude Test (SAT) of CEEB or the ACT Assessment of American College Testing Program required. Eighty percent of students receive Financial Aid.

FACULTY:

Teresa Bals-Elsholz, Ph.D., SUNY-Albany, 2001, Associate Professor — dynamic and synoptic meteorology, computer applications
Craig A. Clark, Ph.D., Iowa State, 2007, Associate Professor — boundary layer meteorology, climate change, dispersion modeling
Bharath Ganesh Babu, Ph.D., Indiana State, 2009, Assistant Professor — GIS and remote sensing, biogeography, environmental conservation
Kevin H. Goebbert, Ph.D., Oklahoma, 2009, Assistant Professor — synoptic meteorology, tropical meteorology, large and small scale forecasting
Ronald A. Janke, Ph.D., Minnesota, 1976, Professor — geomorphology, Native Americans, historical, North America
Jon T. Kilpinen, Ph.D., Texas, 1994, Dean of the College of Arts and Sciences and Associate Professor — historical geography, GIS, cultural, Europe, United States
Michael W. Longan, Ph.D., Colorado, 2000, Professor — urban geography, rural geography, cultural, communications, Asia, and media
Bart J. Wolf, Ph.D., Wisconsin, 1991, Professor — synoptic meteorology, large and small scale forecasting, severe storms

IOWA

UNIVERSITY OF IOWA

DEPARTMENT OF GEOGRAPHICAL AND SUSTAINABILITY SCIENCES

DATE FOUNDED: 1946 Graduate Program Founded: 1946

DEGREES OFFERED: B.A., B.S., M.A., Ph.D.

GRANTED 8/1/12-7/31/13: 32 Bachelors, 2 Masters, 1 Ph.D.

STUDENTS IN RESIDENCE: 83 Majors, 7 Masters, 17 Ph.D.

NOT IN RESIDENCE: 2 Ph.D.

CHAIR: David A. Bennett

DEPARTMENTAL ADMINISTRATOR: Angela Bellew

FOR FURTHER INFORMATION WRITE TO: Graduate Admissions Coordinator, The University of Iowa, Department of Geography, 316 Jessup Hall, Iowa City, Iowa 52242-1316. Telephone (319) 335-0150. Fax (319) 335-2725. E-mail: geography@uiowa.edu. Internet: <http://clas.uiowa.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES: The goal of the graduate program in geography is to prepare students to carry on creative and productive research involving the development, use, and further elaboration of geographic methods and theories. It prepares students for positions in research, teaching, or applied geography. Success in achieving these goals has been demonstrated by the strong demand for University of Iowa graduates to fill positions on college and university faculties, in private research organizations, and in business and government.

Our graduate program focuses on investigating the environmental consequences of human decisions at local, regional and global scales. Geographic information science as well as theories and models of environmental and social processes are central to this endeavor. Within this focus we specialize in the following areas: 1) environmental dynamics, 2) health geography, 3) GIScience, 4) sustainability science, and 5) urban ecology. Students are encouraged to gain experience in multiple areas and to design programs of courses, seminars, independent study, and research that meets their interests, background, and goals. Each student works closely with an advisor in designing this program. Faculty and graduate students frequently collaborate on research; students are encouraged to participate in regional and national professional meetings; and in seminars, reading groups, and a departmental colloquium that foster community and intellectual exchange. The university and the city of Iowa City provide a stimulating social, cultural, and academic environment. Excellent bookstores, galleries, and the world-class Iowa Center for the Performing Arts provide big city advantages without the high costs and inconveniences of big city living.

The B.A. or B.S. degree in geography is not a prerequisite for entry into the program, but students are expected to have an undergraduate background relevant to pursuing graduate work in their specialty within geography. Depending on the strength and suitability of their prior training students may be required to take courses that are prerequisites for courses in their elected areas.

Faculty participate in a variety of multidisciplinary research and teaching programs through the Center for Global & Regional Environmental Research, the Environmental Modeling and Exposure Assessment Facility, the Center for Health Effects of Environmental Contamination, the Public Policy Center, International Programs, the Interdisciplinary Graduate Program in Informatics, the Quaternary

Studies Group, the College of Public Health, and the Department of Civil and Environmental Engineering. Members of the faculty maintain close working relations with faculty from many disciplines across campus, and students are encouraged to explore such opportunities.

The department houses and maintains two computer facilities: the Geographic Information Systems Instructional Laboratory (GISIL) and a departmental research laboratory. GISIL, which is the teaching facility for GIS and GIS applications courses, is equipped with 26 workstations. Additional equipment includes GPS receivers, a terrestrial LIDaR scanner, a hyperspectral imaging scanner, a UAV, and a wide variety of software for mapping, statistical analysis, and GIS. The department also participates in an advanced GIS facility housed in the Center for Global and Regional Environmental Research (CGRER) and has access to high performance computing clusters maintained by university operates. The department has a variety of field-based equipment ranging from data loggers to increment borers.

A university library system with a collection of approximately 4 million volumes, including a map collection of over 219,000 maps, atlases and reference works, and aerial photographs is housed within a central library and numerous satellite libraries.

ACADEMIC PLANS, ADMISSION REQUIREMENTS AND FINANCIAL AID:

UNDERGRADUATE: The University is on the semester system. To qualify for admission as an undergraduate major in the department, a student must meet the requirements of the College of Liberal Arts. Questions concerning financial aid should be addressed to the University Student Financial Aid Office in Room 208 Calvin Hall.

GRADUATE: Admission: In determining the admission of a student to its graduate program, the department considers the total record of each student individually, including: (1) undergraduate grade point average, especially from the junior and senior years; (2) scores on the Graduate Record Examination Aptitude Test; (3) at least three letters of recommendation; (4) an essay in which the applicant sets forth the reasons for wanting to pursue the study of geography at the University of Iowa. Application instructions: <http://grad.admissions.uiowa.edu/academics/geography-ma-or-phd>

M.A. Degree Requirements: The M.A. is designed to be completed in four semesters. It requires a minimum of 30 semester hours of graduate work, of which 18 semester hours must be in graduate-only courses. Competence in a specific area of geography, across the breadth of geography, and in geographical methods is demonstrated by the completion of appropriate course work and either a portfolio review, an exam or an M.A. thesis. A two-year coursework M.A., including an M.A. with specialization in GIScience, is offered.

Ph.D. Degree Requirements: The Ph.D. is a four- to five-year, postbaccalaureate program. Students can enter the program directly from the B.A. or B.S. or with advanced standing corresponding to their previous graduate education. Competence in a specific area of geography, across the breadth of geography, and in geographical methods is demonstrated by the completion of an original research paper, passing comprehensive examinations, and completion and defense of a dissertation.

Financial Aid: Many admitted students are supported through graduate assistantships. Regular departmental Teaching and Research Assistantships carry stipends of \$18,080 for the two semester academic year of 2014-15, plus a full tuition scholarship and healthcare benefits. External research grants also provide for research assistants.

The 2014-15 tuition and fees rate for in-state graduate students is \$9,507 for the academic year. Out-of-state students pay \$26,389. All half-time and quarter-time Teaching and Research Assistants are charged at in-state rates, and are provided with a tuition scholarship of \$8,252 for full registration for an academic year. Deadline for

applicants who wish to be considered for financial aid awards is February 1.

FACULTY:

Marc P. Armstrong, Ph.D., Illinois, 1986, Professor, Collegiate Fellow, and Associate Dean — geographic information science, computational geography

David A. Bennett, Ph.D., Iowa, 1994, Professor and Chair — geographic information science, sustainability, environmental modeling, land use/land cover change

Margaret Carrel, Ph.D., North Carolina, 2011, Assistant Professor — health, disease ecology, landscape genetics, population

Marc Linderman, Ph.D., Michigan State University, 2002, Associate Professor — remote sensing, environmental modeling, land use/land cover

George P. Malanson, Ph.D., UCLA, 1983, Coleman-Miller Professor — ecological modeling, biogeography, landscape ecology, land use/land cover

Claire E. Pavlik, Ph.D., Minnesota, 1990, Lecturer — economic, healthcare, qualitative research methods

Tyler Priest, Ph.D., Wisconsin-Madison, 1996, Associate Professor — energy and environmental policy

R. Rajagopal, Ph.D., Michigan, 1973, Professor — environmental measurements, methods, monitoring, modeling and management, information systems, regulation, policy

Heather A. Sander, Ph.D., University of Minnesota, 2009, Assistant Professor — geographic information science, land use/land cover, environmental modeling, ecosystem services

Kathleen Stewart, Ph.D., Maine, 1999, Associate Professor — geographic information science, modeling geospatial semantics, spatiotemporal data modeling, ontologies and GIS

James D. Tamerius, Ph.D., University of Arizona, 2011, Assistant Professor — environmental determinants of health, infectious disease, climate

Eric Tate, Ph.D., South Carolina, 2011, Assistant Professor — hazards, vulnerability and resilience, uncertainty analysis

ADJUNCT FACULTY:

Marian V. Muste, Ph.D., Iowa, 1995 — cyberinfrastructure platforms, digital watersheds, sensors and sensing networks for integrated watershed research

Mary Skopec, Ph.D., Iowa, 1999, Adjunct Assistant Professor — water quality, fate and transport of pesticides, monitoring design and optimization, emerging environmental contaminants (pharmaceuticals), and watershed monitoring

Peter Weyer, Ph.D., Iowa, 1998, Adjunct Assistant Professor — water quality, chronic health effects, environmental epidemiology, environmental health policy

EMERITI FACULTY:

James B. Lindberg, Ph.D., Wisconsin, 1963, Professor Emeritus — economic, energy resources/use, geography in higher education

Michael L. McNulty, Ph.D., Northwestern, 1966, Professor Emeritus — Third World and regional development, urban-rural linkages, Africa

David R. Reynolds, Ph.D., Northwestern, 1966, Professor Emeritus — political, urban, political economy, locational and community effect

Rebecca S. Roberts, Ph.D., Oregon State, 1982, Associate Professor Emeritus — political economy of the environment and natural resources, water and agriculture

Gerard Rushton, Ph.D., Iowa, 1964, Professor Emeritus — location theory, health, geographic information science, behavioral

UNIVERSITY OF NORTHERN IOWA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1969

GRADUATE PROGRAM FOUNDED: 1969

DEGREES OFFERED: B.A., B.S., M.A.

GRANTED 9/1/13-8/31/14: 18 Bachelors, 6 Masters

STUDENTS IN RESIDENCE: 50 Majors, 18 Masters

HEAD: Patrick Pease

DEPARTMENT ADMINISTRATIVE ASST: Janette McCulley

FOR CATALOG AND FURTHER INFORMATION CONTACT:

Dr. Patrick Pease, Head, Department of Geography, University of Northern Iowa, Cedar Falls, Iowa 50614-0406. Telephone (319) 273-2772. Fax (319) 273-7103. E-mail: patrick.pease@uni.edu. Internet: <http://www.uni.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES: The Department offers both a BS in Geographic Information Science and a BA degree in Geography. There are three concentrations within the BA undergraduate geography major: Globalization and Regional Geography, Environmental Systems and Sustainability, and Planning and Development. A Certificate in Geographic Information Systems and Cartography is also available. The Master of Arts degree is offered with emphases in many subfields of geography including GIS, remote sensing, physical/environmental geography (geomorphology, soils), political, urban, transportation, economic, and geographic education. The Department is housed in the Innovative Teaching & Technology Center. The facilities include a 24-seat Computer Teaching Lab, GIS Applications Lab, Soils and Geomorphology Lab, Environmental Characterization & Analysis Lab, and large GIS Research Lab for graduate students. Specialized field and laboratory equipment include a hydraulic soil coring machine, a petrographic micro-video system, a Beckman-Coulter laser diffraction particle-size analyzer, a laser-induced breakdown spectroscopy system for elemental analysis, a Rigaku x-ray diffraction system for mineralogical analysis, a ground-based VNIR & SWIR hyperspectral imaging system, a hand-held spectroradiometer, and Trimble GPS receivers. Specialized computer software packages include Erdas Imagine, ENVI, eCognition, IDRISI, and the ESRI suite of GIS products.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

GRADUATE: The M.A. degree program is designed to be completed in four semesters. Both thesis (32-hr minimum) and non-thesis (38-hr minimum) tracks are available in the M.A. program. For regular admission into the M.A. program the Department requires an overall undergraduate GPA of at least 3.00, at least two letters of recommendation, and a two page essay outlining interests in Geography, reasons for application to the MA program at the University of Northern Iowa, and future career goals. GRE scores are not required, but are useful and will be considered if submitted. Graduate Assistantships for research positions and teaching assistant positions and a limited number of Tuition Scholarships are available.

FACULTY:

Dennis E. Dahms, Ph.D., Kansas, 1991, Professor — Quaternary stratigraphy and paleoecology, climate change, soil geomorphology, Rocky Mountain West

John DeGroote, MS, University of Wisconsin Stevens Point, Instructor and Director of GeoTREE Center — GIS, Geoinformatics

Bingqing Liang, Ph.D., Indiana State University, 2008, Assistant Professor — GIS, remote sensing, Environmental

David W. May, Ph.D., Wisconsin - Madison, 1986, Professor — geoarchaeology, Holocene environmental changes, rivers

Alex P. Oberle, Ph.D., Arizona State, 2005, Assistant Professor — urban, ethnic, cultural, geography education, US Southwest, Mexico

J. Henry Owusu, Ph.D., Iowa, 1993, Professor — economic, cultural, development, Africa

Patrick P. Pease, Ph.D., Texas A&M, 1998, Professor and Head — geomorphology, aeolian, desert, sediment transport, field methods.

Andrey Petrov, Ph.D., University of Toronto, 2008; Herzen University, 2006, Associate Professor — economic, GIS, population, Arctic

Tim R. Strauss, Ph.D., Washington, 1994, Associate Professor — transportation, economic, location analysis, GIS

Kay E. Weller, Ph.D., Kansas State, 1993, Associate Professor — geographic education, historical, cultural

ADJUNCT/EMERITI/AFFILIATED FACULTY:

Ramanathan Sugumaran, Ph.D., Edinburgh, 1999, Deere and Company

Donald D. Peterson, M.A., Northern Iowa, 1975, Adjunct Instructor

Chris Simonson, M.A., Northern Iowa, 2004, Adjunct Instructor

Kirk Stufflebeam, M.A., Northern Iowa, 1992, Adjunct Instructor

Mark D. Ecker, Ph.D., Connecticut, 1997, Associate Professor of Mathematics

C. Murray Austin, Ph.D., Pennsylvania, 1971, Professor Emeritus

Jonathan J. Lu, Ph.D., Washington, 1971, Professor Emeritus

James F. Fryman, Ph.D., North Carolina, 1981, Professor Emeritus

Thomas Fogarty, Ph.D., Pennsylvania, 1978, Professor Emeritus

KANSAS

KANSAS STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1946

GRADUATE PROGRAM FOUNDED: 1959

DEGREES OFFERED: B.A., B.S., M.A., Ph.D.

GRANTED: 9/1/12-8/31/13: 32 Bachelors, 3 Masters, 4 Ph.D.

STUDENTS IN RESIDENCE: 65 Majors, 11 Masters, 18 Ph.D.

NOT IN RESIDENCE: 4 Masters, 5 Ph.D.

HEAD: Charles W. Martin

GRADUATE PROGRAM INFORMATION: Douglas Goodin, Department of Geography, 118 Seaton Hall, Kansas State University, Manhattan, KS 66506-2904. Telephone (785) 532-6727. Fax (785) 532-7310. E-mail: dgoodin@ksu.edu. Internet: www.ksu.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The program builds from a strong base in three traditional areas of geographic scholarship: human, cultural and regional geography; earth system geography; and geographic information sciences. Examples of collaboration involve nature-society interactions, population and health, and land change analysis. Rural landscapes and sustainability are the thematic core for the program, consistent with the land grant mission of KSU. Within each area students may pursue research more specific to their individual interests. Within the areas of human, cultural and regional geography, faculty specialties include landscape symbolism, ethnic landscapes, place identity, and religious landscapes. Faculty have regional expertise in North America, Europe, China, South Asia, Latin America, Sub-Saharan Africa, the Great Plains, American West, and in mountainous regions throughout the

world. Earth systems geography includes geomorphology, soils, hydrology, biogeography, landscape ecology, paleoecology, climate variability and change, and environmental modeling. Nature-society interactions include studies of human dimensions of environmental change, natural hazards, rural land use and rural change, environmental modeling, water resources, and environmental perception. Population and health geographies include population migration and distribution, spatial patterns of diseases and health outcomes, rural settlement, and sustainable rural communities. Geographic information science includes GIScience, remote sensing and spatial modeling. Multidisciplinary graduate and undergraduate certificates in GIScience, administered by the department, are also available.

The department has a strong research and teaching reputation and ranks highly among the social sciences at KSU. These strengths have translated into several large grants that support collaborative research between students and faculty. Benefits of the geography graduate program include a balanced curriculum, a broad-based approach to research/scholarship, and a commitment to fieldwork as a component of geographic inquiry. The moderate size of the department fosters an informal, friendly atmosphere with ample opportunity to develop close rapport with faculty members and with visiting research scholars. Department resources include the Geographic Information Systems and Spatial Analysis Laboratory (GISSAL), a remote sensing research lab, a GIS/remote sensing teaching lab, a physical geography teaching lab, and an analytical laboratory focused on research in Paleoenvironmental Change. Geographic information science includes remote sensing, spatial modeling, Internet GIS, and geocomputational methods.

The rolling and tree-shaded university campus is located in Manhattan, pop. 50,000. Manhattan is situated eight miles north of I-70 in an attractive area of the Flint Hills, adjacent to Tuttle Creek Reservoir and Konza Prairie Biological Station, and one hour north of the Tallgrass Prairie National Preserve.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The geography major requires 37 credit hours; either a B.S. or B.A. may be earned. Students may also select the preplanning option that requires an additional twenty-one credit hours of planning-related courses.

GRADUATE: Master's students may pursue either a 30 credit hour thesis option or a 32 credit hour report option. Regular admission to the Graduate School and the Department of Geography requires a 3.0 GPA (4.0 scale), three letters of recommendation, submission of GRE scores, official transcripts, and a one- to two-page statement of interests and objectives. Ph.D. applicants should have attained a score of at least 1100 on the combined verbal and quantitative components of the GRE. Ph.D. students are encouraged to pursue research that fits with the department's core areas and complements the rural and land grant tradition of Kansas State University.

Several nine-month appointments as a Graduate Teaching Assistant or Graduate Research Assistant are available each year on a competitive basis; additional support may also be available for summer months. Full-time GTAs receive a stipend and a full waiver of tuition. GRAs, supported from geography faculty research grants, receive a stipend and in-state tuition rates. A limited number of competitive Graduate School stipend supplements may also enhance graduate stipends.

FACULTY:

Kevin Blake, Ph.D., Arizona State, 1996, Professor — cultural-historical geography, landscape symbolism, mountain geography, nature-society relationships, American West
Marcellus M. Caldas, Ph.D. Michigan State, 2008, D.Sc. University of Sao Paulo, Associate Professor — land use and land cover change (LULCC), GIS and remote sensing applications to LULCC, biofuel policies, land reform in Latin America

Douglas G. Goodin, Ph.D., Nebraska, 1993, Professor — climatology, remote sensing, ecology of infectious disease, spatial analysis and modeling
John A. Harrington, Jr., Ph.D., Michigan State, 1980, Professor — climatology, human dimensions of global change, remote sensing, water resources, applied geography, GIS, biogeography, Great Plains
Lisa M. Butler Harrington, Ph.D., Oklahoma, 1986, Professor — rural land use, natural resources, sustainability, nature-society relationships, public lands, hazards, Pacific Northwest, U.S.
J.M. Shawn Hutchinson, Ph.D., Kansas State, 2000, Associate Professor and Director, GISSAL — water resources, biogeography, environmental modeling, GIS, remote sensing, computer mapping and visualization, biosecurity
Max Lu, Ph.D., Indiana, 1996, Professor — population and health geographies, regional development, spatial analysis and modeling, China
Richard A. Marston, Ph. D., Oregon State, 1980, University Distinguished Professor — geomorphology, hydrology and water resources, glaciers, mountain geography
Charles W. Martin, Ph.D., Kansas, 1990, Professor and Head — geomorphology, fluvial systems, Great Plains, Germany
Kendra K. McLauchlan, Ph.D., Minnesota, 2004, Associate Professor — biogeography, soils, environmental geography, paleoecology, North America
Bimal K. Paul, Ph.D., Kent State, 1987, Professor — natural hazards, medical/health geography, population geography, quantitative methods, South Asia, Great Plains
Jeffrey S. Smith, Ph.D., Arizona State, 1997, Associate Professor — cultural geography, migration, ethnic geography, historical geography, American Southwest, Mexico
Jida Wang, Ph.D., UCLA, 2013, Assistant Professor — remote sensing, GIS modeling, hydrological dynamics
Stephen E. White, Ph.D., Kentucky, 1974, Professor — population geography and migration, environmental perception, Great Plains, Appalachia

ADJUNCT AND ANCILLARY FACULTY:

Melinda D. Daniels, Ph.D., Illinois, 2003, Associate Research Scientist at Stroud Water Research Center (Avondale, PA) — fluvial geomorphology, environmental restoration, stream ecosystems ecology, water resources and environmental management
Anne Jacquin, Ph.D., French Polytechnic National Institute of Toulouse (INPT), 2010, Researcher and Instructor at INPT-Ecole d'Ingénieurs de Purpan (Toulouse, France) — remote sensing, GIS, ecosystem and agrosystem processes
Kamlesh P. Lulla, Ph.D., Indiana State, 1983, Ph.D., Baroda (India), 1977, Chief Scientist for Earth and Imaging Sciences, NASA Johnson Space Center — environmental geography, land use/land cover, remote sensing, GIS
David R. Seamon, Ph.D., Clark, 1977, Professor (Architecture) — sense of place, urban social

EMERITI FACULTY:

Charles E. Bussing
Karen De Bres Cole
David E. Kromm
H.L. Seyler
William R. Siddall
Stephen L. Stover

UNIVERSITY OF KANSAS

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1947

GRADUATE PROGRAM FOUNDED: 1958

DEGREES OFFERED: B.A., B.S., B.G.S., M.A., M.S., Ph.D.

GRANTED 9/1/12-8/31/13: 40 Bachelors, 7 Masters, 8 Ph.D.

STUDENTS IN RESIDENCE: 118 Majors, 43 M.A., 7 M.S., 46 Ph.D.

NOT IN RESIDENCE: 2 Masters, 5 Ph.D.

CHAIR: Johannes J. Feddema

DEPARTMENT ADMINISTRATIVE ASST: Beverly M. Koerner

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Graduate Studies Committee, Department of Geography, University of Kansas, 1475 Jayhawk Blvd., Room 213, Lawrence, Kansas 66045-7613. Telephone (785) 864-5143. Fax (785) 864-5378. E-mail: kugeog@ku.edu. Internet: www.geog.ku.edu.

PROGRAMS AND RESEARCH FACILITIES: The department graduate program emphasizes environment studies, GIS-cartography-remote sensing, and cultural/regional geography. Each is well supported by faculty strength throughout the university and by appropriate laboratory and library facilities. The environment program is composed of physical geography (geomorphology, soils, Quaternary studies, and bio/geochemistry) and atmospheric sciences (meteorology, climatology, and paleoclimatology). The department has specialized research laboratories for soils, sedimentology, palynology, and rock magnetism.

The GIS-cartography-remote sensing program is a highly interconnected unit that builds on pioneering work in cartography and remote sensing begun at Kansas in the 1950s under George Jenks and David Simonett, respectively. The GIS program emphasizes spatial data management, dissemination, geovisualization, and spatial analysis and modeling. Current remote-sensing research includes a wide range of environmental and agricultural issues at scales from small watersheds to continents. Cartographers concentrate primarily on design, visualization, history of cartography, and novel display methods. The department houses its own cartographic and GIS service center. Geographers also are the major participants in the university's remote-sensing applications center.

The cultural/regional programs take advantage of Kansas's well-developed interdisciplinary language and area-studies centers for Africa, East Asia, Latin America, and Russia-East Europe. All four of these centers have been designated National Resource Centers by the U.S. Department of Education during the past decade. The university's American Studies program and its T.R. Smith map collection are similarly regarded as among the best in the nation. Specific strengths within the cultural realm include political economy, development studies, indigenous studies, social theory and historical, humanistic, political, and economic geography.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Admission to graduate standing requires superior academic performance at the undergraduate level and demonstrated competence in physical, human, and regional geography, and in geographic techniques. GRE scores and an application fee are required. The university follows the two-semester system with nine credit hours as the usual load. Thesis hours, directed readings, and some course work are also offered during an eight-week summer session.

The Geography M.A. and M.S. thesis program requirement is for thirty hours of graduate-level work, including the thesis. Two seminars and distribution requirements are designed to provide a core of training in human/regional, physical, and techniques. These are supplemented by courses in the student's area of interest.

The Atmospheric Science M.S. thesis program requirement is for thirty hours of graduate-level work, including the thesis. The breadth of the program and the diverse research topics explored by the faculty are able to accommodate students with a variety of interests.

A greater degree of specialization is expected for the Geography Ph.D. Sixty hours beyond the M.A. are required, including twenty to thirty hours of work on the dissertation. There are various options to satisfy the foreign languages and/or other research skills requirement, including reading knowledge of one foreign language and proficiency in a research skill related to the candidate's area of specialization.

Several sources of financial aid are available to graduate students. Teaching and research assistantships within the department, the Kansas Applied Remote Sensing Program, the Kansas and U.S. Geological Surveys, and the Area Studies Centers are the primary sources of aid; limited funds are also available for the summer period. Other sources of support include Graduate School Honors Fellowships, Dissertation Fellowships, work study, student loans, and the several categories of grants from the Office of Education, the National Science Foundation, and similar organizations.

FACULTY:

David A. Braaten, Ph.D., UC-Davis, 1988, Professor — atmospheric science, climate change, remote sensing
J. Christopher Brown, Ph.D., UCLA, 1999, Associate Professor — political ecology, tropical environments, Latin America
Nathaniel A. Brunsell, Ph.D., Utah State, 2003, Associate Professor — land-atmosphere interactions, remote sensing, micrometeorology
So-Min Cheong, Ph.D., Washington, 2001, Associate Professor — economic, sustainable resources, East Asia
Alexander C. Diener, Ph.D., Wisconsin, 2003, Assistant Professor — political, social, cultural, Central Eurasia
Jerome E. Dobson, Ph.D., Tennessee, 1975, Professor — geographical information science, remote sensing, cultural
Stephen L. Egbert, Ph.D., Kansas, 1994, Professor — remote sensing, geographic information science
Johannes J. Feddema, Ph.D., Delaware, 1990, Professor — climatology, environmental change, geographic information science
Peter H. Herlihy, Ph.D., Louisiana State, 1986, Professor — cultural, historical, Latin America
Daniel R. Hirmas, Ph.D., University of California, Riverside, 2008, Associate Professor — pedology, soil geomorphology, soil mineralogy
Jay T. Johnson, Ph.D., University of Hawaii at Manoa, 2003, Associate Professor — cultural geography, comparative Indigenous Nations studies, post-colonialism
William C. Johnson, Ph.D., Wisconsin, 1976, Professor — Quaternary studies, geoarchaeology, environmental magnetism
Xingong Li, Ph.D., South Carolina, 2000, Associate Professor — geographic information science, spatial analysis, GIS and remote sensing of hydrologic processes
David B. Mechem, Ph.D., Washington, 2003, Associate Professor — cloud microphysics and dynamics, mesoscale processes, numerical modeling, boundary layer clouds
Shannon O'Lear, Ph.D., Syracuse, 1997, Associate Professor — cultural, political, Russia, the Caucasus and Central Asia, environmental policy
Margaret W. Pearce, Ph.D., Clark University, 1998, Associate Professor — cartography, cultural, historical
David A. Rahn, Ph.D., Wyoming, 2008, Assistant Professor — atmospheric science, mesoscale and synoptic meteorology
James R. Shortridge, Ph.D., Kansas, 1972, Professor — cultural, historical, United States

Terry A. Slocum, Ph.D., Kansas, 1980, Associate Professor and Chair — cartography, geographic information science, spatial analysis
Pamela L. Sullivan, Ph.D., Florida International University, 2011 — ecohydrology, hydrogeology, aqueous geochemistry
Donna F. Tucker, Ph.D., Colorado State, 1987, Associate Professor — atmospheric science, modeling of mesoscale processes
Cornelius J. van der Veen, Ph.D., University of Utrecht (Netherlands), 1986, Professor — glaciology, ice-climate interactions, global change
Barney Warf, Ph.D., University of Washington, 1985, Professor — economic geography, social theory, urban geography

AFFILIATED FACULTY:

Steven R. Bozarth, Ph.D., Kansas, 1996, Adjunct Assistant Professor — paleoenvironmental reconstruction, phytolith analysis, landscape evolution
Kelly Kindscher, Ph.D., Kansas, 1991, Courtesy Professor — plant community ecology research
Rolfe D. Mandel, Ph.D., Kansas, 1990, Courtesy Professor — soils, geoarchaeology, Quaternary sediments
Valery J. Terwilliger, Ph.D., California, 1988, Adjunct Associate Professor — biogeography, geomorphology, geotechnical engineering

EMERITI FACULTY:

John P. Augelli, Ph.D. Harvard, 1951
Leslie Dienes, Ph.D., Chicago, 1968
George F. McCleary, Jr., Ph.D., Wisconsin, 1969
Robert W. McColl, Ph.D., Washington, 1964
Robert E. Nunley, Ph.D., Michigan, 1958
Curtis J. Sorenson, Ph.D., Wisconsin, 1973
William I. Woods, Ph.D., Wisconsin, 1986

KENTUCKY

EASTERN KENTUCKY UNIVERSITY

DEPARTMENT OF GEOGRAPHY & GEOLOGY

DATE FOUNDED: 1961 GEOLOGY; 1968

GEOGRAPHY; 2007 GEOGRAPHY & GEOLOGY

DEGREES OFFERED: B.A. Geography, B.S. Geology, B.S. Earth Science Teaching, University GIS Certificate

GRANTED 12/1/11-5/15/14: 21 B.A. Geography; 28 BS Geology; 4 B.S. Earth Science Teaching; 18 University GIS Certificate

MAJORS: 29 B.A. Geography; 55 B.S. Geology; 12 B.S. Earth Science Teaching; 34 University GIS Certificate

CHAIR: Melissa S. Dieckmann

ADMINISTRATIVE ASSISTANT: Deborah Canham

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Melissa S. Dieckmann, Department of Geography & Geology, Eastern Kentucky University, 521 Lancaster Avenue, Roark 103, Richmond, KY 40475-3129. Telephone: (859) 622-1273. Fax (859) 622-3375. E-mail: Melissa.Dieckmann@eku.edu. Department URL: <http://www.geoscience.eku.edu>.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography & Geology at EKU offers the following degree programs: a B.S. in Earth Science/Teaching, a B.S. in Geology, a B.A. in

Geography, and a University GIS Certificate. Emphasis is on the applied, practical aspects of geography and geology.

Departmental resources include a GIS and Remote Sensing computer lab, as well as a map and imagery library. Research equipment includes Zeiss & Olympus research microscopes, Phillips Model 1840 x-ray diffractometer, Perlin-Elmer atomic absorption spectrometer, a Bausch & Lomb Model 1001 UV-VIS spectrometer, Metrohm Ion Chromatograph-Model 792, and various rack saws, crushers, grinders, and thin sectioning equipment. Housed for over forty years within the department, the Geographical Studies and Research Center provides opportunities for faculty and student projects that utilize the center's GIS capabilities.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Application for admission should be directed to the Admissions Office at the University. Limited financial aid is available, which includes work study, cooperative education study, graduate assistantships, student loans, and scholarships. Opportunities for research assistantships and internships also may be available.

FACULTY:

Walter S. Borowski, Ph.D. North Carolina, 1998, Professor — gas hydrates, pore-water and sediment geochemistry, environmental geochemistry (w.borowski@eku.edu)
Glenn A. Campbell, M.A., Marshall University, 1995, Lecturer — physical, urban, political (glenn.campbell@eku.edu)
Melissa S. Dieckmann, Ph.D. Notre Dame, 1995, Professor and Chair — environmental engineering, low-temperature geochemistry, science teacher education (melissa.dieckmann@eku.edu)
Stewart S. Farrar, Ph.D., Binghamton, 1976, Professor — igneous & metamorphic petrology, tectonics (stewart.farrar@eku.edu)
F. Tyler Huffman, Ph.D., Connecticut, 2006, Associate Professor — GIS, location analysis, remote sensing (tyler.huffman@eku.edu)
Alice L. Jones, Ph.D., Ohio State, 1997, Professor — city and regional planning, environmental policy (alice.jones@eku.edu)
Gary L. Kuhnhehn, Ph.D., Illinois, 1976, Professor — carbonate sedimentology, sedimentary petrology (gary.kuhnhehn@eku.edu)
R. Thomas Lierman, Ph.D. George Washington, 1995, Assistant Professor — sedimentary geology, surface processes (tom.lierman@eku.edu)
Kelly C. Watson, Ph.D., Florida State University, 2010, Assistant Professor — remote sensing, GIS, human-environmental interactions, natural resource management (kelly.watson@eku.edu)
John Charles White, Ph.D., Baylor, 2002, Professor — igneous petrology, volcanology, and high-temperature geochemistry (john.white@eku.edu)
Donald M. Yow, Ph.D., South Carolina, 2003, Associate Professor — meteorology, urban climate (don.yow@eku.edu)
Sonja Heer Yow, Ed.D., Kentucky, 2008, Lecturer — geographic education (sonja.yow@eku.edu)
David N. Zurick, Ph.D., Hawaii, 1986, Foundation Professor — cultural ecology, conservation development, Highland Asia, Pacific Islands (david.zurick@eku.edu)

EMERITUS FACULTY:

William G. Adams, M.A., Kentucky (1966-1996)
Bruce E. Davis, Ph.D., UCLA, (1999-2011)
Ralph O. Ewers, Ph.D., McMaster (1981-2006)
Charles L. Helfrich, Ph.D., Virginia Tech (1971-1997)
Samuel Leung, Ph.D., Illinois (1969-2001)
Jon R. Maki, Ph.D., Michigan State (1975-2006)
Ronald L. Marionneaux, Ph.D., Indiana (1977-1997)

UNIVERSITY OF KENTUCKY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1944

GRADUATE PROGRAM FOUNDED: 1946

DEGREES OFFERED: B.A., B.S., M.A., Ph.D.

STUDENTS IN RESIDENCE: 47 B.A/B.S. 11 M.A., 25 Ph.D.

NOT IN RESIDENCE: 2 M.A., 15 Ph.D.

CHAIR: Rich Schein (schein@uky.edu)

ADMINISTRATIVE ASSISTANT: Lori Tyndall (l.tyndall@uky.edu)

DIRECTOR OF GRADUATE STUDIES: Patricia Ehrkamp (p.ehrkamp@uky.edu)

DIRECTOR OF UNDERGRADUATE STUDIES: Tad Mutersbaugh (mutersba@uky.edu)

CONTACT INFORMATION: 817 Patterson Office Tower, University of Kentucky, Lexington, KY 40506-0027. Telephone: (859) 257-2931; Fax: (859) 257-6277. For more detailed information: <https://geography.as.uky.edu/>.

The Department is known for high quality research and graduate education in human geography, physical geography, and critical GIS/GIScience. Program strengths include close faculty-student interaction, flexibility in designing an appropriate plan of study, and research training seminars. Emphasis at both the MA and PhD levels is placed on theoretical and methodological training, which is closely integrated with students attaining both breadth and depth in substantive domains. Graduate student research is empirically rich, with data usually acquired through fieldwork. The faculty is committed to assisting students in obtaining external research funding and in disseminating research findings through professional journals and conferences. We also offer professional development seminars. Graduate students also gain valuable experience as instructors, and they participate actively in departmental service and governance through various committees.

Faculty and student research focuses on interrelated thematic clusters. Research seminars are organized around topics relevant to these clusters, with thematic content varying with current graduate student and faculty interests. Faculty has regional expertise in a variety of domestic and international settings. Students have access to faculty with a variety of methodological expertise. The University supports excellent computational facilities; the department houses computing, GIS, and mapping activities in the Gyula Pauer Center for Cartography & GIS Information. The WT Young library houses over 2.6 million volumes and supports on-line, full-text journal access. Strong linkages are maintained with interdisciplinary research centers on campus.

ACADEMIC PLAN, ADMISSION, FINANCIAL AID:

UNDERGRADUATE: Semester system. First year admission is based on probable success as indicated from high school grades and ACT results.

GRADUATE: Admission is based on a combination of: undergraduate and graduate grade point averages; scores on the GRE; a written statement of research interests and professional goals; three letters of recommendation. No single criterion is dominant, but the combination must demonstrate the applicant's potential for success in graduate study. Inquiries should be directed to the Director of Graduate Studies. Information on the formal application process is available at our web site.

The department offers graduate teaching assistantships, which carry a stipend (\$14,094 for the year 2014-15), plus full tuition remission and health coverage. Fellowship support also is available, at the departmental level and through intra-university competitions.

Please visit our website at <https://geography.as.uky.edu/> for full details and descriptions of the department, its faculty, graduate students, research clusters, and related information.

FACULTY:

- Betsy Beymer-Farris, Ph.D., University of Illinois at Urbana-Champaign, 2011, Assistant Professor* — Political ecology, social-ecological resilience, gender, geographies of conservation and development, East Africa
- Stanley D. Brunn, Ph.D., Ohio State, 1966, Professor Emeritus* — Social and political geography, information and communication, North America, Europe, and Central Asia
- Jeremy Crampton, Ph.D., Penn State 1994, Associate Professor* — Critical cartography and GIS, new mapping technologies, theory
- Patricia Ehrkamp, Ph.D., University of Minnesota, 2002, Associate Professor and Director of Graduate Studies* — Political, urban, feminist geography, immigration, citizenship, gender
- P.P. Karan, Ph.D., Indiana, 1956, Professor* — Development, multinational corporations, society-environment relationships, Asia/Pacific, Japan, South Asia
- Daehyun Kim, Ph.D., Texas A&M, 2009, Associate Professor* — Biogeography, spatial analysis, ecological simulation modeling, soil landform modeling
- Liang, Liang, Ph.D., University of Wisconsin-Milwaukee, 2009, Assistant Professor* — Bioclimatology, landscape phenology, remote sensing, and spatial ecology
- Tad Mutersbaugh, Ph.D., University of California-Berkeley, 1994, Professor and Director of Undergraduate Studies* — Political ecology, rural development in Mexico
- Jonathan Phillips, Ph.D., Rutgers, 1985, Professor* — Geomorphology, pedology, earth surface systems
- Lynn Phillips, Ph.D., University of Louisville, 2013, Assistant Professor* — Applied geography, urban planning, growth management, and geography of global equine centers
- Karl Raitz, Ph.D., Minnesota, 1970, Professor Emeritus* — American landscapes, historical geography, U.S., Appalachia, visual methods
- Susan Roberts, Ph.D., Syracuse, 1992, Professor* — Global political economy, financial capital, development, feminist theories
- Michael Samers, D. Phil, Oxford University, 1997, Associate Professor* — Economic and urban geography, immigration, alternative forms of economic development, international finance, France, European Union, US
- Richard Schein, Ph.D., Syracuse, 1989, Professor and Chair* — Cultural landscapes, urban geography, U.S. historical geography
- Anna Secor, Ph.D., University of Colorado, 2000, Professor* — Political, cultural, Islamic world, social theory, feminist geographies
- Gary Shannon, Ph.D., Michigan, 1970, Professor* — Medical Geography: disease ecology and health services delivery; Europe
- Tony Stallins, Ph.D., Georgia, 2000, Associate Professor* — Biogeography, biogeomorphology, scale theory, organism-environment interactions
- Alice Turkington, Ph.D., Queens University-Belfast, 1999, Associate Professor* — Geomorphology, weathering, urban environments, applied geomorphology
- Andrew Wood, Ph.D., Ohio State University, 1993, Associate Professor* — Economic, political, and urban geography
- Matthew W. Wilson, Ph.D., University of Washington, 2009, Assistant Professor* — Critical GIS, urban political geography, science and technology studies
- Matthew Zook, Ph.D., University of California, Berkeley, 2001, Professor* — Economic geography, internet commerce

GYULA PAUER CENTER FOR CARTOGRAPHY AND GIS:

- Jeff Levy, B.A., Kentucky, 2000, GIS Analyst* — GIS and applications in planning, transportation, and historical research
- Richard Gilbreath, M.A., Kentucky, 1995, Manager, Center for Cartography and Geographic Information* — production cartography, computer cartography

AFFILIATED AND ADJUNCT FACULTY:

William Andrews, Ph.D., Kentucky, 2004, Kentucky Geological Survey — Geomorphology, Quaternary mapping, physiography, fluvial erosion

Oliver Fröhling, M.A., University of Nebraska-Lincoln, 1993, Director, Centro de Encuentros y Diálogos Interculturales (CEDI), Oaxaca, Mexico — Development and anti-development, NGOs, regional autonomy movements in Mexico

Theodore H. Grossardt, Ph.D., Kentucky, 1999, Kentucky Transportation Center — Transportation, social theory, participatory planning

Daniel Marion, Ph.D., University of Iowa, 2001, U.S. Forest Service — Hydrology, stream channel morphology, forest ecosystems, and soils

Graham D. Rowles, Ph.D., Clark, 1976, Professor and Director, Graduate Center for Gerontology — Aging and the elderly, social, rural, qualitative research methods

John F. Watkins, Ph.D., Colorado, 1986, Associate Professor — Population, aging and the elderly, migration, Appalachia

UNIVERSITY OF LOUISVILLE

DEPARTMENT OF GEOGRAPHY AND GEOSCIENCES

DATE FOUNDED: 1972

DEGREES OFFERED: B.S. in Applied Geography; M.S. in Applied Geography

GRANTED 7/1/12-6/30/13: 16 Bachelors

MAJORS: 57

CHAIR: Keith R. Mountain

DEPARTMENT BUSINESS MANAGER: Sharon M. O'Bryan

CONTACT INFORMATION: Department of Geography and Geosciences, University of Louisville, 206 Lutz Hall, Belknap Campus, Louisville, Kentucky 40292. Telephone (502) 852-6844. Fax (502) 852-4560. For more information: www.louisville.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES: The Department offers B.S. and M.S. degrees in Applied Geography. B.S. students choose one of four tracks: Urban Analysis, Environmental Analysis, Geographic Information Science, and Global and Regional Analysis. The B.S. degree has a common core consisting of Global Environment, Power of Place, Introduction to Mapping, Quantitative Analysis, Research Methods, and Senior Thesis. Advanced specialization courses include Biogeography, Climatology, Geomorphology, Hydrology, Medical Geography, Remote Sensing, GIS, Advanced Planning, Transportation, Locational Analysis, Urban Population, Globalization, Computer Applications, and Urban Problems. Majors have either found employment in nearby private or public agencies, or are pursuing graduate studies.

The M.S. curriculum is a two-year program of study for full-time students. Foundation courses for the degree include History of Geography, Advanced Spatial Statistics, Approaches and Methods in Applied Geography, Qualitative Analysis, and Proposal Development. A thesis is required.

The department enjoys a good relationship with local government and has an active internship program with several agencies. The department houses the University's Center for Geographic Information Sciences.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Application for admission to Admissions Office at the University.

FACULTY:

C. Andrew Day, Ph.D., Texas State, Assistant Professor — climate change, land cover change, hydrology/water resources, sustainability of physical systems

Andrea Gaughan, Ph.D., Florida, Assistant Professor — spatial and temporal complexity of coupled human-environment systems, land-use/land-cover change dynamics, climate variability/change, remote sensing and GIS, modeling and spatial statistics

Jafar Hadizadeh, Ph.D., Imperial College, Great Britain, Professor — structural geology and rock mechanics

Carol L. Hanchette, Ph.D., North Carolina, Chapel Hill, Associate Professor — medical geography, geographic information systems, globalization

David A. Howarth, Ph.D., Ohio State, Professor — climatology, short term climate variability, meteorology, urban climatology, geography education

Keith R. Mountain, Ph.D., Ohio State, Associate Professor — glaciology, climatology, geography education

Wei Song, Ph.D., Ohio State, Associate Professor — transportation and location analysis, urban and regional studies, GIS applications, quantitative methods; China and Asia

Margath A. Walker, Ph.D., Kentucky, Assistant Professor — urban geography, cultural impacts of globalization, cultural production, qualitative research methodology, border security and identities; Latin America

Haifeng (Charlie) Zhang, Ph.D., South Carolina, Associate Professor — urban & social issues, race & ethnicity, GIS, spatial analysis methods; China

ASSOCIATE AND EMERITI FACULTY:

John L. Anderson, Ph.D., Kentucky, 1974, Assistant Professor

Don E. Bierman, Ph.D., Michigan State, 1970, Professor Emeritus

Terra A. Clarke, Ph.D., UC, Riverside, 1977, Professor Emerita

James E. Conkin, Ph.D., Cincinnati, 1960, Professor Emeritus

K. Lal Gauri, Ph.D., Bonn, 1964, Professor Emeritus

George A. Lager, Ph.D., British Columbia, 1975, Professor Emeritus

Clara A. Leuthart, Ph.D., Louisville, 1975, Professor Emerita

Dennis L. Spetz, Ed.D., Indiana, 1971, Professor Emeritus

WESTERN KENTUCKY UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

DATE FOUNDED: 1907

GRADUATE PROGRAM FOUNDED: 1967

DEGREES OFFERED: B.S. (Geography and Environmental Studies, Meteorology, GIS, Geology), B.A. Geoscience, M.S. Geoscience, M.A. Education/Geography Major

GRANTED 9/1/12-8/31/13: 38 Bachelors, 9 Master's STUDENTS IN RESIDENCE: 200 Majors, 25 Masters NOT IN RESIDENCE: 5 Masters

HEAD: David J. Keeling

DEPARTMENT ADMINISTRATIVE ASST: Wendy Decroix

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Dr. David J. Keeling, Department of Geography and Geology, Western Kentucky University, 1906 College Heights Blvd. #31066, Bowling Green, Kentucky 42101-1066. Telephone (270) 745-4555. Fax (270) 745-6410. E-mail: david.keeling@wku.edu. Internet: www.wku.edu/geoweb/.

PROGRAMS AND RESEARCH FACILITIES: Five specialty areas are emphasized in the graduate and undergraduate programs:

GIS (GIS, transportation, spatial statistics, remote sensing); *Geoscience* (Hydrogeology, geology, geochemistry, cave and karst systems, hydrology, paleoclimate reconstruction); *Meteorology and Climatology* (Applied meteorology, climatology, climate change, prediction); *Environment and Sustainable Development* (Conservation, natural resource management, environmental education, sustainability, water resources, climate change); and *Culture and Society* (Society, material culture, regions, tourism and development, food and resources). The Department's research centers include the Hoffman Environmental Research Institute; Kentucky Climate Center; Kentucky Mesonet; Center for Cave and Karst Studies; Climate, Water, and Sustainability Center; Crystal Kinetics Group; Applied Materials Institute; Reynolds Geophysical Laboratory; and the Geohazards Group. Additional research facilities include an interdepartmental GIS laboratory, water resources laboratory, eye-tracking lab, computer labs, and considerable geoscience field equipment.

UNDERGRADUATE: Professional B.S. programs in Geography and Environmental Studies, Meteorology, GIS, and Geology are offered. The Department also offers a 14-hour Certificate program in GIS, and minors in general geography, water resources, geology, sustainability, environmental science, and Latin America studies. Emphasis in all degree programs is placed on analysis of problems that have an applied aspect and consequently have policy development implications, with programs tailored to the student's interests. Internship and research opportunities are available to all interested students. Multiple study abroad opportunities are also available for both undergraduate and graduate students. The combination of the geography, meteorology, GIS, and geology disciplines provides an opportunity to emphasize human-environmental interactions, as well as culture and society and physical and environmental studies independently. Students take foundational and technique courses, and then custom select their degree program electives to suit their interests and future goals.

GRADUATE: The M.S. Degree in Geoscience prepares students for myriad careers and to become candidates for the Ph.D. It requires a minimum of thirty semester hours of coursework, a thesis (or publishable research paper), and a demonstrated proficiency in a research technique. Program graduates serve in a variety of discipline-related positions around the country. Faculty members participate in research addressing water problems, climate and weather analysis, cave development, resource use, global development, environmental management, environmental education, and urban planning. In addition, field research by faculty and students is conducted continually in the local area, in several other states, and in China, Latin America, and Europe.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: *Admission Requirements:* An undergraduate degree with G.P.A. of 3.2 or higher (on a 4.0 scale), and an appropriate GRE score (at least 3.5 writing and analytical assessment). A GAP score (GRE times GPA) of at least 150 is required for admission to the Geoscience program. Semester system. *Financial Aid:* A number of teaching and research assistantships are available with tuition plus stipend ranging between \$15,000 and \$20,000 for the academic year. Out-of-state tuition scholarships and partial tuition waivers are available for qualified students.

FACULTY:

Katie Algeo, Ph.D. LSU, 1998, Professor — Appalachia, GIS, research methods, agricultural geography, historical geography
John D. All, J.D., Ph.D., Arizona, 2002, Associate Professor — Environment, biogeography, law and ethics, policy
William Blackburn, M.S., Western Kentucky, 2003, Instructor — Environment, Kentucky
Jill Brown, M.S. Western Kentucky, 2002, Instructor — Cultural and Physical Geography, Planning

Kevin Cary, M.S., GISP, Western Kentucky, 2000, Instructor, GIS Center Director — GIS, spatial techniques
Aaron Celestian, Ph.D., Stony Brook, 2006, Associate Professor — Crystallography, Minerals and materials
Jenna Cole, Ph.D. Stony Brook, 2003, Instructor — Anthropology, geoscience, paleoclimate time scales
Margaret Crowder, Ed.D. WKU, 2012, Instructor — General geology, geohazards, education
Scott Dobler, M.A., Bowling Green State, 1990, Instructor — GIS, teacher education, climatology
Joshua Durkee, Ph.D., Georgia, 2008, Associate Professor — Meteorology, Climatology, Severe storm events
Xingang Fan, Ph.D., Lanzhou, China, 1996, Assistant Professor — Atmospheric modeling, Meteorology.
Stuart A. Foster, Ph.D., Ohio State, 1988, Professor. State Climatologist, Mesonet Director — location analysis, GIS, quantitative methods.
Nahid Gani, Ph.D. Texas at Dallas, 2006 — Tectonics, Thermochronology, Structural Geology, Remote Sensing
Gregory Goodrich, Ph.D., Arizona State, 2005, Associate Professor — Synoptic climatology, remote sensing
Margaret Gripshover, Ph.D., Tennessee, Knoxville, 1995, Associate Professor — Cultural Geography, US South, Equine Geography
Christopher Groves, Ph.D., Virginia, 1992, Distinguished Professor of Hydrogeology — Geomorphology, hydrology, caves and karst
Pat Kambesis, Ph.D., Mississippi State, 2014, Instructor — Cave and karst, GIS.
David J. Keeling, Ph.D., Oregon, 1992, Distinguished Professor of Geography, Graduate Coordinator, Department Head — Latin America, World Cities, transportation, methodology
Rezaul Mahmood, Ph.D., Oklahoma, 1999, Professor — Climatology, GIS, hydrology
Michael T. May, Ph.D., Indiana, 1992, Professor — Environmental geology, aqueous geochemistry
Amy T. Nemon, M.S., Western Kentucky, 2007, Instructor — Regional, Cultural, Sustainability
Leslie North, Ph.D., South Florida, 2011, Assistant Professor — Environmental education, water resources, sustainability, cave and karst, eye-tracking
Jason Polk, Ph.D., South Florida, 2009, Assistant Professor — Paleoclimate, water resources, geomorphology, cave and karst, isotope geochemistry
Fredrick D. Siewers, Ph.D., Illinois, 1995, Associate Professor — Sedimentology, stratigraphy, paleontology
Andrew Wulff, Ph.D., Massachusetts, 1999, Associate Professor — Structural geology, mineralogy, geochemistry
Jun Yan, Ph.D., Buffalo, 2004, Associate Professor — GIS, transportation, planning, modeling

ACTIVE FACULTY EMERITUS:

Doral Glen Conner, M.A., Western Kentucky, 1976
Nicholas Crawford, Ph.D. Clark, 1977
Kenneth W. Kuehn, Ph.D., Penn State, 1982
L. Michael Trapasso, Ph.D. Indiana State, 1980

LOUISIANA

LOUISIANA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ANTHROPOLOGY

DATE FOUNDED: 1928

GRADUATE PROGRAM FOUNDED: 1933

DEGREES OFFERED: BA, BS, MA, MS, M.N.S., and
PhD in Geography (also with a Concentration in
Anthropology), BA and MA in Anthropology

GRANTED 7/1/09 – 6/30/10: 20 Bachelors, 4 Masters, 4
PhD (Geography only)

STUDENTS IN RESIDENCE: 51 Majors, 16 Masters, 50
PhD (Geography only)

CHAIR: Patrick Hesp

ASSISTANT TO THE CHAIR: Linda Strain

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Graduate Director (E-mail: gradsec@lsu.edu), Department of
Geography and Anthropology, Louisiana State University, Baton
Rouge, Louisiana 70803. Telephone (225) 578-5942. Fax (225) 578-
4420. E-mail: gachair@lsu.edu. Internet: www.ga.lsu.edu.

PROGRAMS AND RESEARCH FACILITIES: Geography at LSU
explores the environmental and spatial relations of nature and culture
through field, archival, qualitative, and quantitative research. As a
bidisciplinary department of geography and anthropology, the
Department offers eight degree programs. Bachelor's programs
provide the full range of geographical instruction appropriate to a
liberal education; Master's programs accent breadth of professional
geographical and anthropological training; the doctoral program
emphasizes specialized research and scholarship: physical geography,
human geography, mapping sciences, as well as a Concentration in
Anthropology.

Inquiry focuses on: **Physical Geography** - synoptic climatology,
hydroclimatology, paleoclimatology, hydrology, and fluvial and
coastal geomorphology and resources; **Human Geography** - cultural,
cultural ecology, regional economic development, historical,
settlement, and environmental; **Mapping Sciences** - computer
cartography, aerial photography, remote sensing, spatial analysis, and
Geographic Information Systems. The Anthropology Concentration
allows Geography PhD students to combine their interests with
Archaeology, cultural Anthropology and biological Anthro or
Linguistics.

Latin America, are our most studied regions. Current faculty and
graduate students also conduct field research in Central and East Asia,
the Middle East, Africa and Europe.

Resources and facilities at LSU are ample and varied. LSU's
Middleton Library with over 2.5 million volumes, 3.4 million
microforms, and more than 7 million manuscripts is especially strong
in geography and anthropology (<http://www.lib.lsu.edu/>). The
Department's Cartographic Information Center (CIC), one of the
nation's largest academic map libraries, houses more than 500,000
maps and aerial photographs (<http://www.cic.lsu.edu/>). In addition to
the CIC, the Department's mapping sciences concentration is
supported by the Cartographic Section, two computer mapping
sciences laboratories, and CADGIS (Computer-Aided Design and
Geographic Information Systems) Research Laboratory
(<http://www.cadgis.lsu.edu/>). Facilities for research include
laboratories of geomorphology, material culture, forensic
anthropology, paleoclimatology, archaeology, 3D Digital Imaging

Lab, the Louisiana Office of State Climatology, and the Southern
Regional Climate Center.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Semester system. Selection is based on
compatibility of interests with departmental programs; on grades,
letters of recommendation, and Graduate Record Examination scores.
For regular admission, the LSU Graduate School requires an
undergraduate grade point average of at least 3.0 and the department
requires 1000 GRE. To be competitive for financial aid an applicant
should exceed these minimum requirements.

Graduate Assistantships start at \$11,000 - Masters and \$12,000 - PhD
for nine months. Pruitt assistantships start higher. Regents (\$12-
20,000) and Perkins Diversity Fellowships (\$18,000) are available to
outstanding PhD applicants. Grants for fieldwork (\$200 - \$1,500) are
available each year through the Robert C. West Field Research Fund
(<http://www.ga.lsu.edu/>).

FULL-TIME FACULTY:

*John M. Anderson, M.L.I.S., Louisiana State, 1995, Associate
Librarian, Director of the Cartographic Information Center —
historical maps, U.S. Geological Survey, U.S. Coast and
Geodetic Survey, Louisiana, battlefields*

*Rachel Dowty Beech, PhD, Rensselaer Polytechnic Institute, 2008,
Asst. Professor — Research, socio-cultural theory, science and
technology studies, disaster management, wetlands; N. America,
United Kingdom*

*Jill Brody, PhD, Washington, 1982, Fred B. Kniffen Professor —
linguistics, discourse analysis, anthropology, Mayan languages*

*David Chicoine, PhD, U. of East Anglia, 2007, Assistant Professor —
archaeology; coastal Peru; ancient political systems; early
urbanism; interactions; ceramics; architecture; visual arts,
funerary practices*

*Craig E. Colten, PhD, Syracuse, 1984, Carl O. Sauer Professor —
historical, environmental, American South*

*Kristine L. DeLong, PhD, Univ. of South Florida, 2008, Assistant
Professor — paleoclimate, tropical climate variability, time
series analysis, Gulf of Mexico/Caribbean and southwest Pacific*

*Dydia DeLyser, PhD, Syracuse, 1998, Associate Professor —
landscape and social memory, cultural, historical, urban, gender,
qualitative methods and academic and professional writing*

*Jay D. Edwards, PhD, Tulane, 1970, Professor — cultural
anthropology, folklore, vernacular architecture, Caribbean and
Louisiana*

*Melanie Gall, PhD, South Carolina, 2007, Asst. Professor —
Emergency management, hazards geography, GIS/remote
sensing; Europe*

*Patrick Hesp, PhD, Sydney, Australia, 1982, Richard J. Russell
Professor — coastal geomorphology, coastal and desert dune
morphodynamics, coastal zone management*

*Joyce M. Jackson, PhD, Indiana, 1988, Associate Professor —
ethnomusicology, folklore, performance centered studies and
ritual, Louisiana, Africa & the Diaspora*

*Barry Keim, PhD, Louisiana State, 1994, Professor and Louisiana
State Climatologist — climatic change, extreme events,
hydroclimatology, climate data*

*Richard H. Kesel, PhD, Maryland, 1971, Professor —
geomorphology, soils, biogeography*

*Michael Leiner, PhD, SUNY-Buffalo, 1997, Associate Professor —
spatial analysis and GIS, computer cartography, Europe*

*Ginesse A. Listi, PhD, Tulane, 2008, Research Associate/Instructor —
physical and forensic anthropology*

*Kathe Managan, PhD, New York University, 2004, Assistant
Professor — sociocultural and linguistic anthropology; language
and media, ideologies of language, voluntary organizations,
performance, transnationalism; Caribbean, Louisiana and
African diaspora*

Mary Manhein, MA, Louisiana State, 1985, Professional in Residence, Director-Faces Lab — forensics and prehistoric and historic skeletal collections, Louisiana

Rob Mann, PhD, SUNY-Binghamton, 2003, Assistant Professor-Research/Regional Archaeologist — historical archaeology, ethnohistory, North American fur trade, French colonial

Kent Mathewson, PhD, Wisconsin, 1987, Associate Professor — cultural, historical, cultural ecology, history of geography, Latin America, American South

Heather McKillop, PhD, California-Santa Barbara, 1987, Doris Z. Stone Latin American Studies Professor — coastal and underwater archaeology, Maya, Belize

Steven Namikas, PhD, 1999, Southern California, Associate Professor — coastal and aeolian geomorphology, sediment transport, environmental monitoring and modeling

Helen Regis, PhD, Tulane, 1997, Associate Professor — cities, performance, public space, race, anthropology, Africa and Diaspora

Kevin Robbins, PhD, North Carolina State, 1987, Associate Professor, Director of the Southern Regional Climate Center — agricultural climatology

Robert Rohli, PhD, Louisiana State, 1995, Associate Professor — climatology, applied meteorology, water resources

Luigi Romolo, PhD, Saskatchewan, 2006, Assistant Professor-Research — physical, synoptic climatology, hydrology

William C. Rowe, Jr., PhD Texas-Austin, 2002, Assistant Professor — economic, cultural/political ecology, religion, agriculture, Middle-East, Central Asia, Afghanistan

Rebecca Saunders, PhD, Florida, 1992, Associate Professor and Associate Curator of Anthropology, Museum of Natural Science — contact period studies, southeastern U.S. prehistory pottery analysis

Andrew Sluyter, PhD, Texas, 1995, Associate Professor — historical, cultural and political ecology; place and landscape; social/natural theory; Latin American and the Caribbean

Robert Tague, PhD, Kent State, 1986, James J. Parsons Professor — physical anthropology, paleodemography, osteology, and reproductive biology

Fahui Wang, PhD, Ohio State, 1995; Professor and Director of Chinese Culture and Commerce Program — urban, economic, and transportation geography, public policy GIS, quantitative methods; China, S.E. Asia, U.S.

Lei Wang, PhD, Texas A&M, 2006, Assistant Professor — GIS, quantitative methods, terrain and hydrological analysis, remote sensing

ADJUNCT FACULTY:

Brooks Ellwood, PhD, Rhode Island, 1977, Adjunct and Professor of Geology & Geophysics — geophysics, stratigraphy, geoarchaeology, magnetic/geophysical/geoarchaeological studies in Europe, Africa, Asia and North America

David P. Brown PhD, Arizona, 2004, Regional Director, NOAA — Climate variability, global change, spatial analysis; North America

Charles McGimsey, PhD, S Illinois U Carbondale, 1995, Adjunct Professor and State Archaeologist — Southeastern archaeology

Karen McKee PhD, LSU, 1993, USGS National Wetlands Research Center — Mangrove ecology

Elijah W. Ramsey, III, PhD, South Carolina, 1988, Adjunct and Team Leader USGS National Wetlands Research Center — remote sensing/GIS, water quality, Coastal, Hydrology

Charles Wayne Smith, PhD, Texas A&M, 1995, Associate Professor, Texas A&M — historical archaeology, artifact conservation, visual anthropology, digital imaging

Peter Sutherland, PhD, Oxford, 1999, Instructor, Department of Religious Studies — Cultural anthropology, religion, nationalism, postcoloniality, S. Asia, Black Atlantic

EMERITI FACULTY:

Anthony J. Lewis, PhD, Kansas, 1971, Professor — remote sensing, physical, geomorphology, air photo

Robert A. Muller, PhD, Syracuse, 1962, Former Director, Southern Regional Climate Center — climatology, hydrology, synoptic meteorology, North America

Miles E. Richardson, PhD, Tulane, 1965, Professor — material culture and ethnography, landscape and place, Spanish America

H.J. Walker, PhD, Louisiana State, 1960, Boyd Professor Emeritus — alluvial and coastal morphology, geomorphology, Arctic

AFFILIATED FACULTY AND STAFF:

Maria Allaire, MA, Louisiana State, 2002, Research Associate — FACES Lab, forensic anthropology

Eileen Barrow, BFA, Louisiana State, 1994, Asst Director — FACES Lab, facial reconstruction

Kyle Brehe, MS, S. Dakota School of Mines, 2007, Research Associate and Services Climatologist — climatology

Lynne M. Carter, PhD, Univ. of Wales, Assoc. Director RISA/Coastal Sustainability Agenda in G&A/Office of Research and Economic Development

Mary Lee Eggart, MFA, Louisiana State, 1979, Research Associate — cartography, graphic design, artist

John Grymes, MS, Delaware, 1986, Professional in Residence — climatology

Nicole Harris, BA, U of LA at Lafayette, 1999, Research Associate — FACES Lab, forensic anthropology

Farrell Jones, MS, Louisiana State, 1983, Associate Director, CADGIS Lab — GIS system science

Helen Mathews, MA, Louisiana State, 2004, Research Associate — FACES Lab, forensic anthropology

David Sathiaraj, MS, Louisiana State, 2001, Research Associate — systems science, industrial engineering

MAINE

UNIVERSITY OF SOUTHERN MAINE

DEPARTMENT OF GEOGRAPHY-ANTHROPOLOGY

DATE FOUNDED: 1971

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 12 Bachelors

MAJORS: 72

CHAIR: Firooza Pavri

DEPARTMENT ADMINISTRATIVE ASST: Jennifer Camire

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

University of Southern Maine, 300 Bailey Hall, 37 College Ave., Gorham, Maine 04038. Telephone (207) 780-5321. Fax (207) 780-5167; (Portland, College of Arts & Sciences) (207) 780-4498. Internet: www.usm.maine.edu/gany

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography-Anthropology is an interdisciplinary department where students learn to apply two disciplinary perspectives to the study of human-environmental interrelationships. The department offers a 40-46 credit hour joint undergraduate degree in geography- anthropology wherein the student may concentrate either in geography or anthropology with specified exposure required in the area of the other discipline. Students are able to intern in the junior or senior year or to complete a field school, and the major thrust of the department is in

developing and building applied skills. Minors are available in anthropology, archaeology, geography, and tourism and community development. An 18-hour applied geography minor is also available focusing on mapping skills and planning courses.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The undergraduate academic semester of 12 to 15 hours for full-time status is the current organizational system. Admission requirements are two-track with high school diplomas and adequate SAT scores for traditional students and open admissions with remedial help available for others. Financial aid is available for those who qualify.

FACULTY:

Matthew Bampton, Ph.D., Clark, 1992, Professor — anthropic geomorphology, political ecology, geographic information sciences

Matthew Edney, Ph.D., Wisconsin-Madison, 1990, Professor and Faculty Scholar, Osher Map Library and Smith Center for Cartographic Education — history of cartography, history of geography, historical geography

Kreg T. Ettenger, Ph.D., Syracuse, 2004, Assistant Professor — environmental anthropology, indigenous peoples, development, northern Canada

Nathan D. Hamilton, Ph.D., Pittsburgh, 1985, Associate Professor — Northeast prehistory, Andean Peru prehistory, maritime adaptation, quantitative methods

Firooza Pavri, Ph.D., Ohio State University, 1999, Associate Professor — human-environment interactions, South Asia, remote sensing/GIS

Lydia A. Savage, Ph.D., Clark, 1996, Professor — social geography, urban geography, gender issues, labor unions

AFFILIATED:

Vinton Valentine, Ph.D., University of Delaware, 2003, Director of GIS

EMERITI:

Diana C. Crader, Ph.D., UC, Berkeley, 1981, Associate Professor — African prehistory, zooarchaeology, human evolution

Dave D. Davis, Ph.D., Yale, 1975, Professor — archeology, material culture theory, West Indies

Robert French, M.A. Clark, 1972, Associate Professor — cultural geography, New England

Franklin D. Hodges, M.A. Clark, 1966, Associate Professor — geography of Maine, economic geography

Judy Tizon, Ph.D., UC, Santa Barbara, 1975, Associate Professor — cultural anthropology, culture theory, victims of progress, women in cross cultural perspective

MARYLAND

FROSTBURG STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1964

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/12-8/31/13 30 Bachelors

MAJORS: 108

CHAIR: Fritz C. Kessler

DEPARTMENT ADMINISTRATIVE ASST: Gale A.

Yutzy

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, Frostburg State University, 101 Braddock Rd., 201 Gunter Hall, Frostburg, Maryland 21532. Telephone (301) 687-4369 or 4266. Fax (301) 687-4495. E-mail: fckessler@frostburg.edu. Internet: www.frostburg.edu/dept/geog/.

PROGRAMS AND RESEARCH FACILITIES: Programs available are a major in Geography with concentrations in Mapping Sciences, Global Systems Analysis, Climate System Science, a major in Earth Science with an Environmental Science concentration and a Teaching Certification option, a major in Environmental Analysis and Planning, and a major in Urban and Regional Planning. An internship program is available with a variety of local, state and federal agencies and firms. The department strives to provide students with a balance of academic and applied preparation.

The department's classrooms, laboratories, and offices are located in a building complete with wireless internet service. Departmental resources include surveying equipment complemented by seven total stations and data collectors, a map library housing a variety of topographic and thematic maps, a soils lab, and rock and mineral specimens. The department houses three well-equipped networked computer labs for geographical data processing. The Environmental Engineering, Geographic Visualization, GeoProcessing, and GiScience labs combined contain a total of 58 workstations, three 42" plotters, one 60" plotter, one 42" scanner, and 5 large-format digitizing tablets. Other peripherals include color printers, laser jet printers, small-scale format scanners, and table-top digitizing tablets. Software available to students includes ESRI's suite GIS software, AUTOCAD, ENVI, Adobe Illustrator, SPSS and Surfer.

The Department operates with the Western Maryland Regional Geographic Information Center geared to research grants and contracts. The Ort Library has federal repository status and maintains a collection of maps, government documents, and geographic journals.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. Application for admission or financial aid is available from the Office of Admissions. SAT scores are required.

FACULTY:

Phillip P. Allen, Ph.D., Coventry University, UK, 2005, Assistant Professor — physical geography (Quaternary period; last 2.5 million years), historical geology, physical geology, soils genesis and characterization, geomorphic evolution of landscapes, especially in upland and cold climate regions

Tianna A. Bogart, Ph.D., Delaware, 2013, Assistant Professor — physical geography, climatology, global climate modeling, data inaccuracies and bias

Henry W. Bullamore, AICP, Ph.D., Iowa, 1978, Professor — urban, land use, regional planning, research methods, tourism
 Craig L. Caupp, Ph.D., Utah State, 1986, Professor — land development and reclamation, environmental impact assessment, water quality modeling, environmental law
 Fritz C. Kessler, Ph.D., Kansas, 1999, Associate Professor — cartography, geographical visualization, spatial transformations, cartographic design
 Francis L. Precht, Ph.D., Georgia, 1989, GISP, Professor — biogeography, GIScience, conservation, geography of alcohol
 Matthew E. Ramspott, Ph.D., 2006, Kansas, Assistant Professor — remote sensing, aerial photo interpretation, land use/land cover, biogeography, environmental geography
 Richard A. Russo, Ph.D., 2009, University of Maryland, Assistant Professor — cultural, regional and urban geography, geography of food, sustainability issues
 James C. Saku, Ph.D., 1995, Saskatchewan, Professor — economic development, North America, human, quantitative analysis, locational analysis, transportation, Sub-Saharan Africa

ADJUNCT FACULTY:

Tracy L. Edwards, M.A., Syracuse, 2010, Adjunct Lecturer — human and physical geography
 Adam P. Lewis, M.Ed., Frostburg State, 1994, Adjunct Lecturer — human, physical and world regional geography

EMERITI:

James V. Cotton, Ed.D., Pennsylvania State, 1958, Professor Emeritus — North America, economic and human geography
 Donald W. Duckson, Jr., Ph.D., Colorado, 1979, Professor Emeritus — fluvial geomorphology, hydrology, environmental monitoring and evaluation, surveying, physical geology, and earth-science education
 Charles J. Farmer, Ph.D., Maryland, 1984, Professor Emeritus — historical geography, human geography
 William Nizinski, M.S., Pennsylvania, 1956, Associate Professor Emeritus — cartography, remote sensing, aerial photo interpretation
 John M. Riley, Ph.D., Maryland, 1978, Professor Emeritus — economic geography, conservation, physical geography, geographic education, Maryland and Russia
 Thomas W. Small, Ph.D., Wisconsin-Madison, 1973, Professor Emeritus — glacial and pleistocene geomorphology, soils genesis and characterization, soil analysis, historical geology

SALISBURY UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND GEOSCIENCES

DATE FOUNDED: 1955

DEGREES OFFERED: B.S. in Geography and B.S. in Earth Science; M.S. in GIS Management

GRANTED 9/1/12-8/31/13: 43 Bachelors, 12 Masters

MAJORS: 110 Geography, 33 Earth Science, 15 Masters

CHAIR: Brent R. Skeeter

PROGRAM MANAGEMENT SPECIALIST: Jennifer Stevens

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Department of Geography and Geosciences, Salisbury University, 1101 Camden Ave., Salisbury, Maryland 21801. Telephone (410) 543-6460. Fax (410) 548-4506. E-mail: brskeeter@salisbury.edu Internet: www.salisbury.edu/geography

PROGRAMS AND RESEARCH FACILITIES: The Departmental program emphasizes geographic concepts, techniques, skills and their application to the solution of environmental, land use and public

planning problems. There are six tracks in the undergraduate Geography major: Atmospheric Science, Environmental/Land Use Planning, Geographic Information Science, Human Geography, Physical Geography, and General Geography. The Department also offers a major in Earth Science, including a track in Secondary Education. An internship program is available for interested students. As a student-centered department, the faculty concentrates on high quality teaching and advising and active engagement in undergraduate research while maintaining an open-door policy.

The Department offers a Master of Science in GIS Management (MSGISM). The MSGISM program is a professional science master's degree, where students focus equally on the science and management of GIS technology. Targeted particularly at practitioners in the public sphere, the program is all on-line. For more information, please see www.salisbury.edu/geography/msgism

The Department is in the endowed Richard A. Henson School of Science and Technology, and is housed in Henson Science Hall, offering well-equipped "smart" classrooms and modern laboratory facilities. The Department maintains its own computer laboratory, equipped with 42 XP workstations, color and laser printers, plotters, scanners, and digitizing tablets. We have site licenses for ESRI and Manifold GIS products and have a variety of digital image processing and cartographic drawing software. The Department has laboratories dedicated to Physical Geography for instruction and research, a 12,000 sheet (USGS Depository) topographic map collection, a server devoted to spatial data, and a large rock and mineral collection. The Zeta Eta Chapter of Gamma Theta Upsilon and the Geographic Society are available for extracurricular participation. The Department's Eastern Shore Regional GIS Cooperative conducts grant and contract work in GIS, remote sensing and cartography and frequently employs geography majors.

Salisbury University is located on U.S. Route 13 in Salisbury, MD, which has a metropolitan population of 80,000 and lies 30 miles west of Ocean City, MD; 115 miles southeast of Baltimore and Washington, D.C.; and, 125 miles south of Philadelphia.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester System, Applications for admission and/or financial aid should be made to the Admissions Office. MSGISM: year-round instruction, new cohorts begins each June with application deadline in February. Application must be made to both SU and to the Department of Geography and Geosciences. See website (above) for details and admission forms.

FACULTY:

Amal K. Ali, Ph.D., Florida State, 2002, Associate Professor — land use planning, urban policy, smart growth
 Gina Bloodworth, Ph.D., Pennsylvania State, 2005, Associate Professor — resource management, water resources, environmental policy & law
 Thomas R. Cawthern, Ph.D., University of New Hampshire, 2013, Assistant Professor — geochemistry, sedimentology, stratigraphy, marine geology
 Xingzhi Mara Chen, Ph.D., Iowa, 1992, Professor — remote sensing, environmental geology, GIS, geosciences education
 Mark de Socio, Ph.D., Cincinnati, 2005, Associate Professor — economic geography, political geography, regional economic development, business-state relations
 Michael Folkoff, Ph.D., Georgia, 1983, Professor — soils, hydrology, geomorphology, mapping science
 Daniel W. Harris, Ph.D., University of Maryland, 2012, Assistant Professor — physical, geographic education, GIS
 Arthur J. Lembo, Jr., Ph.D., SUNY College of Env. Sci. & Forestry, 1997, Associate Professor — GIS, spatial modeling, extreme event monitoring, cartography, mapping science, quantitative methods
 Darren B. Parnell, Ph.D., South Carolina, 2005, Associate Professor — climatology, meteorology, quantitative methods

Michael S. Scott, Ph.D., South Carolina, 1998, Professor — GIS, environmental hazards, cartography
Brent R. Skeeter, Ph.D., Nebraska-Lincoln, 1988, Professor and Chair — climatology, meteorology, research methods
Brent J. Zaprowski, Ph.D., Lehigh, 2001, Associate Professor — geomorphology, coastal processes, sediment analysis, geoscience education

TOWSON UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL PLANNING

DATE FOUNDED: 1955

GRADUATE PROGRAM FOUNDED: 1970

DEGREES OFFERED: B.A., B.S., B.S. Ed., M.A., Combined B.A or B.S / M.A.

GRANTED 9/1/12-8/31/13 39 Bachelors, 4 Masters

STUDENTS IN RESIDENCE: 160 Majors

NOT IN RESIDENCE: 32 Masters

CHAIR: Virginia Thompson

DEPARTMENT ADMINISTRATIVE ASST: Diane Bandurchin

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

UNDERGRADUATE: Department of Geography and Environmental Planning, Towson University, 8000 York Rd., Towson, Maryland 21252. Telephone (410) 704-4371. E-mail: vtompson@towson.edu.

GRADUATE: Charles Schmitz Graduate Coordinator, Department of Geography and Environmental Planning, Towson University, Towson, Maryland 21252. Telephone (410) 704-2966. E-mail: cschmitz@towson.edu.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Towson University offers a major and a minor in Geography and Environmental Planning, a minor in Geographic Information Sciences, a minor in Meteorology, and a major in Geography and Land Surveying in partnership with the Community College of Baltimore County-Catonsville. In addition, the department offers a combined bachelor's / master's program for academically qualified students that enables them to complete both degrees in five-years. Geography undergraduates also have the opportunity to participate in combined majors in economics, history, sociology-anthropology, and political science. In addition to coursework, students may participate in directed research, internships, service learning, study away, and travel study. An up-to-date computer lab serves the department's needs in the areas of GIS, statistical analysis, digital cartography, air photo and remote sensing. Among the department's resources are a physical geography lab, a remote weather station serving the university and linked to the National Weather Service, and the Geospatial Research and Education Laboratory, the latter being dedicated to student and faculty research, educational outreach, and service learning. In June 2011 the department moved into a new College of Liberal Arts complex on campus.

Towson University is situated just north of Baltimore city, placing it within easy driving distance of Washington, D.C. and Philadelphia with their major research assets. Annapolis is only thirty minutes away. In addition, a number of other universities and colleges, with their complementary facilities are located in and around metropolitan Baltimore.

Teaching excellence is a hallmark of the University and of the Department. We are committed to making the academic experience as enjoyable as possible for our students, while assuring that the learning process in as complete as possible. To this end the Department

encourages students to consult with their advisors on a periodic basis. In support of the quest for academic excellence, outstanding student papers are published in the Department's Papers in Geography and a departmental lecture series - "What Matters"- is offered each year.

GRADUATE: The program is designed to provide a broad mastery of the field through a balanced curriculum of topical and regional studies with research experiences. Requirements for the M.A. are the successful completion of 36 semester hours for the non-thesis option or 30 semester hours plus a 6-credit thesis, and a reading knowledge of a modern foreign language or quantitative competency. Two major tracks are available in the program: I. Geography and II. Planning. Most courses are taught during the evening hours, and most graduate students are part-time students. The department has been limited to one graduate assistantship by the Graduate School, but additional opportunities for graduate support are offered by CGIS.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Admission to the university is essentially based on evaluation of high school records and the SAT1 or ACT tests. A number of financial aid programs are available; for further information contact: Financial Aid Office, Towson University, 8000 York Road, Towson, Maryland 21252. Telephone (410) 704-4236(<http://onestop.towson.edu/finaid/>).

GRADUATE: Semester system. Admission is based on evaluation of individual applicant's experience, letters of recommendation (minimum of two) and a transcript of previous course work. Admission is competitive; a minimum of three undergraduate geography courses with a G.P.A. of 3.0 or higher is required for full admission.

FULL-TIME FACULTY:

Kent Barnes, Ph.D., Rutgers, 1984, Associate Professor — Natural and technological hazards, environmental planning and impact analysis, quantitative methods, Australia and New Zealand
Natasha Fath, Ph.D., Moscow State University, Lecturer — Russia, environmental geography, physical, world regional
Sya Buryn Kedzior, Ph.D. University of Kentucky, 2011, Assistant Professor — Pollution knowledge and hydropolitics in the Ganges River Basin.
Kang Shou Lu, Ph.D., Clemson, 2001, Associate Professor — Spatial analysis, landuse planning, tourism management, GIS
Alan Marcus, Ph.D., University of Massachusetts - Amherst, 2008, Associate Professor — Brazil, Latin America, Migration, Race, Cultural Geography, Ethnic Geography
Wayne L. McKim, Ph.D., Northwestern, 1974, Professor — Africa, cultural, political
Todd W. Moore, Ph.D., Texas State University-San Marcos, 2013, Assistant Professor — Severe weather hazards and climate change
John M. Morgan III, Ph.D., Maryland, 1980, Professor and Director Emeritus of The Center for Geographic Information Sciences — GIS, outdoor recreation planning and management, remote sensing, Alaska
Martin C. Roberge, Ph.D., Arizona State, 1999, Professor — Environmental, biogeography, GIS
Charles Schmitz, Ph.D., Berkeley, 1997, Professor — Human, Middle East, political ecology, globalization
James M. Smith, Ph.D. Kent State University, 2005, Associate Professor and Director of M.A. Professional Studies Program — Ethnic identities; globalization and politics; East Asia
Jeremy Tasch, Ph.D., Clark, 2006, Associate Professor — Eurasia, Political Ecology, Resource Management
Paporn Thebpanya, Ph.D., Georgia, 2003, Associate Professor — Cartography/geographic visualization, GIS, remote sensing
Virginia Thompson, Ph.D., Oklahoma, 1995, Associate Professor and Chair — Urban, social, medical

PART-TIME FACULTY:

Douglas Adams, MA — GIS Database Design

Philip Canter, M.A. — Geography of crime

D. Brett Collins, M.A. — Human Geography

Karna Couch, M.A. — Physical, regional, international affairs

Douglas Goldsmith, M.A. — Physical

Charles L. Goodman, M.R.C.P. — Transportation planning, comprehensive planning

Douglas Herman, Ph.D., U of Hawaii, 1995 — Pacific Rim, cultural

Jonathan Lesh, M.A. — Physical, Human, Geography of Maryland, Urban Systems

Jeremy Monn, M.A. — Map Interpretation

Henry L. Schupple, Jr., M.A. — world regional, physical

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL SYSTEMS

DATE FOUNDED: 1967

GRADUATE PROGRAM FOUNDED: 2008

DEGREES OFFERED: B. A., B. S., a joint

Bachelor/Master Degree, M.S., Professional Studies

Certificate in GIS, Masters of Professional Studies

(MPS) in GIS, PhD

GRANTED 1/11-12/31/11: 85 Bachelors

MAJORS: 320 Majors, 56 Masters, 16 Ph.D.

CHAIR: Eugene (Sandy) Parker

**DEPARTMENT OFFICE MANAGER: Robin
Schmidbauer**

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Environmental Systems, University of Maryland Baltimore County, 1000 Hilltop Circle, Baltimore, Maryland 21250. Telephone (410) 455-2002. Fax (410) 455-1056. Internet: www.umbc.edu/ges.

PROGRAMS AND RESEARCH FACILITIES: The department offers B.A. and B.S. degrees in geography, a B.S. in environmental science, a B.A. in environmental studies, and a certificate in GIScience. The department has two graduate programs: a Masters of Professional Studies (M.P.S.) in GIS, and a M.S. and PhD in Geography and Environmental Systems.

The department's undergraduate curriculum includes introductory course work in physical and human geography and environmental science. Students take upper division courses based upon their degree programs (see our website for specifics) but generally all students take a broad range of courses that include human and physical geography, environmental science, environmental studies and GIS. Each student's major program is designed in consultation with a faculty advisor in order to ensure both breadth and rigor in academic preparation for graduate school or professional employment. Students are encouraged to complete internships with public agencies, private-sector companies, or nonprofit organizations. Opportunities are also available for involvement in faculty research projects or in student-designed projects that may be funded through competitive awards available from the University.

The Professional Studies Certificate in GIS and the Masters of Professional Studies in GIS are intended to provide an advanced level of education to professionals working in the region's robust geospatial technology industry. The two programs have a particular focus on the information systems and computer science aspects of GIS and are intended to provide professionals with specialized training in the technical and analytical aspects of GIS.

The graduate program has three areas of concentration available to students: (1) Environmental Systems, including water resources and earth-surface processes, ecosystem science, and atmospheric processes; (2) Human Geography, with an emphasis on coupled human-natural systems including the impacts of human activities on the environment, the socioeconomic consequences of environmental degradation, and environmental policy; and (3) Geographic Information Science and Remote Sensing. Research on the urban environment is a particular strength among the opportunities available through our program. UMBC was the recipient of a NSF-funded IGERT (Integrative Graduate Education, Research and Training) grant focused on Water in the Urban Environment that ended in 2010; we are currently (2014) awaiting word regarding a new IGERT proposal. The areas of concentration identified above are not separate programs and do not have separate application requirements; students may elect to pursue a program of study that draws from multiple areas to suit their particular needs.

The department is at the interface between natural science, social science, public policy, engineering and information technology, with faculty who have background and collaborative relationships in both research and teaching related to all of these areas. The spatial perspective central to Geography as a discipline provides an analytical framework that bridges disciplinary boundaries and utilizes the tools of GIS to assist in our understanding of complex patterns in the natural and human environment. Collaborative relationships with other academic programs on campus include Public Policy, Economics, the School of Aging Studies, Civil and Environmental Engineering, Mathematics and Statistics, Biological Sciences, and Physics.

The environment is a key focus area of education and research on the UMBC campus. In addition to a core group of interested faculty from the natural sciences, social sciences and engineering, the campus hosts the field headquarters of the Baltimore Ecosystem Study (BES), an NSF and U.S. Forest Service-supported Urban Long-Term Ecological Research Site; the Joint Center for Earth Systems Technology (JCET), a NASA/UMBC consortium focusing on earth systems science and the application of remote sensing technology to monitoring of the earth's atmosphere and surface; the Center for Urban Environmental Research and Education (CUERE), focusing on the environmental, social and economic consequences of landscape transformation associated with urban and suburban development; and the U.S. Geological Survey Water Science Center for the MD-DE-DC region, which is located in the campus Research Park with a staff of 60+ personnel. In addition UMBC is a partner, along with several other University of Maryland institutions as well as other research universities and federal agencies, in the Chesapeake Watershed Cooperative Ecosystem Studies Unit (CESU), part of a national CESU network. The concentration of environment-related research activity on campus provides a rich and diverse set of opportunities for prospective graduate students entering our program.

The Department has three labs: a GIS/Remote Sensing lab with a Windows 7 network, currently offering 33 workstations and related peripheral devices with access to the full range of ESRI and ERDAS software along with selected other packages; the cartography instruction lab has 17 Macintosh G5 Intel core2duo workstations equipped with the capability of producing the highest professional quality graphics; the environmental science lab has 24 seats and supports multiple classes in environmental science and ecology. Additional facilities are available on campus for IGERT trainees and for undergraduate and graduate students working on projects at CUERE, including specialized GIS and visualization laboratories, a hydrology laboratory and local hydrologic data collection networks, and analytical labs for processing of water, sediment and soil samples. USGS has installed field monitoring stations on campus that can be used for training purposes. There are a broad range of internship opportunities in the region as well as on campus through BES, CUERE, JCET/GEST, and USGS.

UMBC is an outstanding geographic location for students and faculty. Baltimore is within convenient driving distance of New York, Philadelphia, Pittsburgh, and Washington, D.C. The proximity of the Appalachians, the Piedmont, and the Coastal Plain, including the Chesapeake Bay, offers many research opportunities. In addition to UMBC's own library facilities, other research libraries and facilities are readily accessible at the Johns Hopkins University, the University of Maryland College Park, the Pratt Library of Baltimore, the U.S. Department of Agriculture in Beltsville, the Library of Congress, and the National Archives I and II. In addition, the proximity of UMBC to the federal agency universe of the Washington D.C. area (e.g., EPA, Departments of the Interior, Agriculture, Transportation, NASA, NOAA, USFS, NPS, USGS) provides extraordinary opportunities for students.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: UMBC is on a semester schedule. A limited number of courses are available in summer and winter sessions. The BA in geography requires a minimum of 49 credit hours, the B.S. in geography has 62 credits required, the B.S. in environmental science requires 67 credit hours, and the B.A. in environmental studies has a 57 hour course requirement. The department has two minor degrees, each of which requires 18 credit hours of course work. Interested applicants should write the Director of Admissions, UMBC, for complete instructions and criteria for admission. New freshman applicants must provide SAT scores. Financial aid is available, and interested prospective applicants are encouraged to write the Office of Financial Aid for a listing of programs and requirements. The department also offers a joint Bachelor/Masters degree option.

GRADUATE: UMBC is on a semester schedule. Students wishing to enter the Ph.D or M.S. programs in Geography and Environmental Systems must meet the minimum standards for admission to the University of Maryland Graduate School, Baltimore. Candidates for admission must have earned a minimum GPA in the undergraduate degree of 3.0 overall and 3.3 for the major. All applicants must submit scores for the Graduate Record Examination, letters of recommendation, and a statement that outlines education goals and research interests. The department will have a limited number of Graduate Assistantships available. More details are available at our website (www.umbc.edu/ges).

FACULTY:

Dena Aufseeser, Ph.D., University of Washington, 2012, Assistant Professor — Critical Poverty Studies, urban change, international development
Matt Baker, Ph.D., University of Michigan, 2002, Associate Professor — Ecosystems ecology, landscape ecology, quantitative methods
Sari J. Bennett, Ph.D., University of Illinois at Urbana-Champaign, 1977, Clinical Associate Professor and Director, Maryland Geographic Alliance — Economic geography, geographic education
Dawn Biehler, Ph.D., University of Wisconsin, 2007, Assistant Professor — Health geography, urban environmental history, environmental justice
Suzanne Braunschweig, Ph.D., Virginia Polytechnic Institute and State University, 1993, Lecturer and Director of Interdisciplinary Science Program — Freshwater Biology
Erle C. Ellis, Ph.D., Cornell, 1990, Associate Professor — Biogeochemistry, landscape ecology, managed ecosystems
Jeffrey Halverson, Ph.D., University of Virginia, 1995, Professor — Tropical meteorology, hurricanes and severe weather
Margaret Holland, Ph.D., University of Wisconsin-Madison, 2009, Assistant Professor — Environmental Conservation and Development, Geospatial analysis of human-environment interactions, protected areas, Latin America
David Lansing, Ph.D., Ohio State, 2009, Assistant Professor — Nature-society, environmental policy, agrarian change

Andrew J. Miller, Ph.D., Johns Hopkins, 1983, Professor — Geomorphology, hydrology, water resources
Eugene P. Parker, Ph.D., University of Colorado, 1981, Associate Professor and Chair — Environmental history and conservation, cultural ecology, public lands
Joseph C. School, M.A., Temple, 1983, Instructor and Director of GeoSpatial Labs — Cartography
Colin Studds, Ph.D., University of Maryland, 2009, Assistant Professor — Macrobiology, biogeography, species management strategies in context of global change
Chris Swan, Ph.D., University of Maryland, 2003, Associate Professor — Community ecology, aquatic ecosystems
Junmei Tang, Ph.D., Texas State San Marcos, 2007, Assistant Professor — GIS and remote sensing, urban landscape ecology, environmental modeling

AFFILIATE FACULTY:

Chris Steele, Ph.D., University of Maryland, 2007, Affiliate Associate Professor — Cultural Ecology, Contemporary International Issues

RESEARCH FACULTY and AFFILIATE RESEARCH SCIENTISTS:

Petya Entcheva Campbell, Ph.D., University of New Hampshire, 2000, Affiliate Assistant Research Professor, Joint Center for Earth Systems Technology — Remote sensing of vegetation, vegetation biophysical parameters and spectral response
Peter Groffman, Ph.D., University of Georgia, 1984, Affiliate Research Scientist, Institute of Ecosystem Studies — Environmental regulation of microbes, ecosystem function and nutrient cycling, water and air quality, soil carbon storage
Karl Fred Huemmerich, Ph.D., University of Maryland, College Park, 1995, Affiliate Associate Research Professor, Joint Center for Earth Systems Technology — Remote sensing of ecosystem structure and function
Amita Mehta, Ph.D., Florida State University, 1991, Affiliate Assistant Research Professor, Joint Center For Earth Systems Technology — Remote Sensing, Climate Variability
Steward T. A. Pickett, Ph.D., University of Illinois at Urbana-Champaign, 1977, Affiliate Research Scientist, Baltimore Ecosystem Study — Urban ecosystems, function of landscape boundaries, plant community succession
Richard V. Pouyat, Ph.D., Rutgers University, 1992, Affiliate Research Scientist, Baltimore Ecosystem Study — Urban/suburban effects on soil carbon and nitrogen dynamics, ecosystem response to environmental stressors
Chris Shuman, Ph.D., Pennsylvania State University, 1992, Affiliate Associate Research Professor, Joint Center for Earth Systems Technology — Cryosphere, Remote Sensing of Ice Sheets, Antarctica
Ali Tokay, Ph.D., University of Illinois at Urbana-Champaign, 1993, Affiliate Associate Research Professor, Joint Center for Earth Systems Technology — Cloud and precipitation physics, severe storms
Kevin Turpie, Ph.D., University of Maryland, 2012, Affiliate Associate Research Professor, Joint Center for Earth Systems Technology — Ocean remote sensing, ocean ecology, coastal wetlands

EMERITI FACULTY:

Roger N. Dubois, Ph.D., University of Wisconsin, 1972, Associate Professor — Geomorphology
Robert J. Earickson, Ph.D., University of Washington, 1968, Associate Professor — Urban, medical geography
Keith D. Harries, Ph.D., UCLA, 1969, Professor — Social, urban, GIS applications

U.S. CENSUS BUREAU

GEOGRAPHY DIVISION

CHIEF: Timothy F. Trainor

SCOPE OF OPERATIONS: The Geography Division's activities involve update and maintenance of a digital geographic database (TIGER) and a master address file for the United States, Puerto Rico, and related Island Areas; establishment of criteria for delineating statistical geographic entities, and delineation of such entities or involvement with their delineation by others; collection and maintenance of information about legally established geographic entities; improvement of methods used to attain accurate, complete, and current address and geographic information, including use of global positioning and geographic information systems; production of a variety of maps at various scales to show selected information; dissemination of geospatial information in digital form; and conducting research and developing standards to meet the Census Bureau's obligations for geospatial data.

Office of the Geographic Operations Advisor: *Gregory Hanks*
Geographic Support Systems Program Manager: *Curtis Dunson*

ASSISTANT DIVISION CHIEFS:

Address Software: *Ama Danso*
Geocartographic Products and Criteria: *Michael Ratcliffe*
Geographic Partnerships: *Andrea Johnson*
Geographic Program Management: *Leslie Godwin*
Geographic Operations: *vacant*
Production and Control: *Gerard Boudriaault*
Spatial Data Systems and Database Management: *Atri Kalluri*

BRANCHES:

Address Programs Management Branch: *Shawn Hanks, Chief*
Address Products Software Branch: *Angela Hall, Chief*
Address Update Software Branch: *Scott Weikle, Chief*
Cartographic Products Branch: *Constance Beard, Chief*
Configuration and Release Management Branch: *Victor Meiller, Chief*
Commercial Software Management Branch: *David Aliff, Chief*
Core Update Software Branch: *Peter Rosenson, Chief*
Database Management Staff: *Subu Korisapati, Chief*
Geocoding Software Branch: *Charles Whittington, Chief*
Geographic Areas Branch: *Laura Waggoner, Chief*
Geographic Contracts Management Branch: *Rebecca Diaz-Cartagena, Chief*
Geographic Process and Quality Management Branch: *Scott Fifield, Chief*
Geographic Products Branch: *Jennifer Holland, Chief*
Geographic Programs Budget Branch: *David Chan, Chief*
Geographic Project Management Branch: *Ross Davis, Chief*
Geographic Reference Software Branch: *Lourdes Ramirez, Chief*
Geographic Standards and Criteria Branch: *Vincent Osier, Chief*
Independent Testing and Validation Branch: *Beverly Harris, Chief*
Linear Features Branch: *Joanne Aikman, Chief*
National/State Geographic Partnerships Branch: *Lynda Liptrap, Chief*
Spatial Products Software Branch: *Ricardo Ruiz, Chief*
Spatial Update Software Branch: *vacant*
Tribal/Local Geographic Partnerships Branch: *Brian Timko, Chief*
Update Operations Branch: *Carol Gleason, Chief*
Workflow Control Branch: *George Tarr, Chief*

POPULATION DIVISION

CHIEF: Victoria Velkoff

ASSISTANT DIVISION CHIEF FOR GEOGRAPHIC STUDIES AND INFORMATION RESOURCES:
James Fitzsimmons

SCOPE OF OPERATIONS: The Population Division's activities involve analysis of the population (both domestic and international) and its social and demographic characteristics, including study of the geographic distribution of the population and its geographic mobility, representing data in statistical and cartographic forms, and delineation of selected statistical geographic entities. Data programs in which the division participates include the Decennial Census of Population and Housing, the Population Estimates Program, the Current Population Survey, and the American Community Survey.

Population Distribution Branch: *Marc Perry, Chief*
Geographic Studies Branch: *Joshua Comenetz, Chief*

HOUSING AND HOUSEHOLD ECONOMIC STATISTICS DIVISION

CHIEF: Vacant (**Robert Kominski, Acting**)
ASSISTANT DIVISION CHIEF FOR SOCIAL CHARACTERISTICS: Robert A. Kominski

SCOPE OF OPERATIONS: The Housing and Household Economic Statistics Division's activities involve production and analysis of data on the characteristics of the population. This includes the study of the geospatial aspects of geographic mobility, place of work, and commuting. Data programs in which the division participates include the Decennial Census of Population and Housing, the Survey of Income and Program Participation, the Current Population Survey, and the American Community Survey.

Journey-to-Work and Migration Statistics Branch: *Alison Fields, Chief*

CENSUS REDISTRICTING DATA OFFICE

CHIEF: Catherine McCully
ASSISTANT CHIEF: James Whitehorne

SCOPE OF OPERATIONS: The Census Redistricting Data Office is responsible for planning, managing and evaluating the Census Bureau's Redistricting Data Program to ensure the Secretary of Commerce and the Director of the Census Bureau have met the legal requirements of Public Law 94-171 (Title 13). This law amended Title 13, U.S.C. to require the secretary (who delegates responsibility to the Census Director) to work closely with each state on a nonpartisan basis, to determine what Decennial Census data are needed to redraw state legislative and Congressional districts after each census. For a review of the 2010 Redistricting Data Program phases go to <http://www.census.gov/rdo/www/>. The Census Redistricting Data Office also is responsible for the coordination and production of the Section 203 determinations as required by the newly reauthorized Voting Rights Act.

FIELD DIVISION

CHIEF: Brian Monaghan
ASSISTANT DIVISION CHIEF FOR GEOGRAPHY AND DATA COLLECTION: Gail Leithauser

SCOPE OF OPERATIONS: The Field Division plans, coordinates, and carries out the Census Bureau's field data collection programs; maintains and administers a field organization through its regional offices, temporary regional census centers, and temporary local census offices and other field offices; delineates selected statistical geographic entities in cooperation with appropriate governmental and nongovernmental officials; and provides for the effective deployment of field personnel to assure the efficient conduct of the collection of geographic and address information and census data. The Field Division's six regional offices employ geographic staff in Atlanta, Chicago, Denver, Los Angeles, New York, and Philadelphia.

Address Coverage Operations Branch: *Karen Field, Chief*
Decennial Data Collection Branch: *vacant*

Geographic Support Branch: *Nicole Parent, Chief*
Special Place/Group Quarters Branch: *vacant*

AMERICAN COMMUNITY SURVEY OFFICE

CHIEF: James Treat

ASSISTANT DIVISION CHIEF FOR DATA

COLLECTION: Todd Hughes

SCOPE OF OPERATIONS: The Geography Branch provides geographic support for the data collection and data tabulation operations associated with the American Community Survey (ACS), including providing electronic field maps, providing an Address Problem Resolution System to resolve problems associated with locating sample units, and capturing both geocoding and address corrections. The Geography Branch also develops training manuals and guides for regional office staff and the ACS field staff. To support the data tabulation activities, the Geography Branch assists with development of product specifications and delivery schedules for geographic products (Master Address Files, geographic reference files, geocoding correction files) that are required to select the ACS sample and tabulate the data. The Geography Branch also creates thematic maps for internal research projects, external presentations, and general reference use.

Geography Branch: *Matthew Zimolzak, Chief*

MASSACHUSETTS

BRIDGEWATER STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1921 as Earth Sciences & Geography;

2005 as Geography

DEGREES OFFERED: B.A., B.S., M.A.T.

GRANTED 9/1/12-8/31/13: 14 Geography

STUDENTS IN RESIDENCE: Approximately 65 Majors

CHAIR: Robert Amey

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, School of Science and Mathematics, Bridgewater State University, Bridgewater, Massachusetts 02325. Telephone (508) 531-1390. Fax (508) 531-1785. E-mail: bflint@bridgew.edu Internet: www.bridgew.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES:

The geography department offers Bachelor of Arts and Bachelor of Science degrees in Geography. Faculty interests include geographic education, physical geography, water resources, weather and climate, soils, environmental geography, regional planning, and the geography of Canada, Asia, Africa, and Latin America. At the graduate level, the department cooperates in the Master of Arts in Teaching Social Sciences (MAT). The department works actively with state and regional agencies and private firms and NGOs on environmental problems, and issues of economic development and planning.

Geographers on campus intensively use several computer-related laboratory facilities, including the Moakley Center for Technological Applications, with state-of-the-art multimedia and communication facilities. Students have unrestricted access to terminals throughout campus and to a campus-wide wireless network. A wind tunnel for research in meteorology, and maintains an online weather station network. The department features two state-of-the-art GIS and

Remote Sensing labs, introductory and advanced physical geography labs, dedicated student research computer lab, soils and wet labs, geographic education center, rooftop weather station, and interdisciplinary wind tunnel lab.

Taking advantage of the department's highly regarded internship program, students have successfully interned at regional and city planning agencies, banks, chambers of commerce, town governments, state and federal agencies, Cape Cod National Seashore, conservation agencies, and GIS consultant firms, and have served as consultants in transportation, meteorology, GIS, and environmental affairs. Students participate in the very active Geography Club, and GTU, Eta Nu chapter. Faculty members engage in environmental issues, snow science research, economic modeling, and K-12 education initiatives. The department coordinates the Southeast Massachusetts Geography Network (SEMAGNET) and the Southeast Massachusetts Global Education Center (SEMGECE). The regional Global Education Resource Center, housed in and managed by the department, offers curriculum resource materials for K-12 educators. The department is a member, with Central Connecticut State University, the University of the State of Santa Catarina, and the Federal University of Rio Grande do Sul, of the Consortium on Urban Development, funded by the U.S. Department of Education and its Brazilian counterpart.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. SAT scores required. Financial Aid includes PELL Grants, Supplemental Educational Opportunity Grant Program (SEOG), National Direct Student Loan Program (NDSL), Massachusetts Higher Education Loan Plan (HELP), College Work-Study including departmental interns, Student Employment Referral Service, Tuition Waiver Program, and Massachusetts State Scholarship Program (MSS).

GEOGRAPHY FACULTY:

Robert Amey, Ph.D., University of Florida, 1998, Associate Professor — Environmental conflict, hazardous waste management, regional planning issues

Darcy L. Boellstorff, Ph.D., University of Nebraska, 2004, Associate Professor — GIS, remote sensing, soils, land use change and planning

Sandra L. Clark, Ph.D., Arizona State, 1995, Professor — physical, geomorphology, field studies, US Southwest, Canada

Vernon A. Domingo, Ph.D., Clark, 1980, Professor — political economy, physical, Africa, economic, development studies, migration, geographic education

James Hayes-Bohanan, Ph.D., Arizona, 1998, Professor — environmental, land conservation, Latin America, Cape Verde

Robert Hellström, Ph.D., 2000, Ohio State, Associate Professor — climatology, meteorology, physical, snow science

Madhusudana Rao, Ph.D., Kent State, 1988, Professor — geographic information systems, non-western, Asia

EMERITI FACULTY:

Emanuel Maier, Ph.D., Clark, 1964, Professor — political geography

Reed F. Stewart, Ph.D., Clark, 1986, Professor — environmental, land use planning, Africa

CLARK UNIVERSITY

GRADUATE SCHOOL OF GEOGRAPHY

**DATE FOUNDED: 1921 GRADUATE PROGRAM
FOUNDED: 1921**

**DEGREES OFFERED: B.A. and Ph.D. in Geography,
B.A. in Global Environmental Studies, B.A. in
Environmental Science: Earth Systems Science Track.
Accelerated M.S. in Geographic Information Sciences,
M.S. in Geographic Information Sciences for
Development and Environment**

**GRANTED 9/1/12-8/31/13: 24 in Geography Bachelors; 11
in Global Environmental Studies Bachelors; 8
Environmental Science: Earth Systems Science Track
Bachelors; 11 Ph.Ds, 4 Masters of Art (M.A.) in
Geography (predoctoral); 2 M.A. in GIS; 21 M.A. in
GISDE**

**STUDENTS IN RESIDENCE: 67 Geography Majors + 17
Double Majors; 30 Global Environmental Studies
Majors + 5 Double Majors; 13 Environmental
Science: Earth Systems Science Track majors; 47
Ph.D.; 3 M.A. in GIS; 22 M.A. in GISDE**

NOT IN RESIDENCE: 9 Ph.D.

DIRECTOR: Anthony J. Bebbington

**DEPARTMENT ADMINISTRATIVE ASST: Jean
Heffernan**

FOR FURTHER INFORMATION WRITE TO: Assistant to the
Director, Graduate School of Geography, Clark University, 950 Main
St., Worcester, Massachusetts 01610-1477. Telephone (508)793-7336;
Fax (508)793-8881. Email: geography@clarku.edu. Internet:
(www.clarku.edu/departments/geography).

PROGRAMS AND RESEARCH FACILITIES: The Graduate
School of Geography at Clark provides institutional and programmatic
alternatives to conventional North American doctoral programs. The
School is central to a private institution of approximately 2,300
undergraduates and 1100 graduate students. A liberal arts tradition is
joined with the University-College in which faculty, graduate
students, and undergraduates engage in joint teaching and research
and cross-disciplinary exchange. The School offers an undergraduate
and doctoral program covering all domains of Geography and an
interdisciplinary undergraduate degree in Global Environmental
Studies. An Earth System Science (ESS) concentration is offered to
those majoring in the interdepartmental/interdisciplinary
Environmental Science major. The undergraduate program permits
qualified students to enter an Accelerated M.S. in GIS program. The
graduate program in geography accepts students holding either a
B.A./B.S. or M.A./M.S. and seeking a Ph.D. only. Although not
required for the Ph.D. program, a Master's degree is available en route
to the doctorate. An M.S. in GIS for Development and Environment
(GISDE) is also available (see below).

The School includes 18 faculty members with teaching and research
interests that cover the breadth of geography and cut across
disciplinary boundaries. Faculty and students in the School maintain a
high level of grant- and contract-supported research conducted
throughout the world dealing with human-environment, remote
sensing-GIS, urban-economic, earth system science, global change,
globalization, and related themes; specific ongoing projects can be
found on the School's web site
(www.clarku.edu/departments/geography). In addition, the School
publishes *Economic Geography*, an internationally peer-reviewed
journal founded in 1925 and owned by Clark University. *Economic
Geography* is currently ranked 4th in Geography and 11th in
Economics with ISI 2-year citation impact factor of 3,389 and 5-year

citation impact factor of 4,897 (2012)
(www.clarku.edu/econogeography), and the School is closely linked to
the George Perkins Marsh Institute (see
www.clarku.edu/departments/marsh/), a consortium of research
centers and the Jeanne X. Kasperson Research Library, that facilitates
interdisciplinary and multi-institutional research on nature-society
relationships. The School also works closely with Clark Labs, a
research center that developed within the School. Clark Labs creates
and distributes the Idrisi, Earth Trends Modeler and Land Change
Modeler software systems, and conducts research in GIScience, Earth
Information Science and Conservation. Finally, the School has
initiated a collaborative doctoral track in Geography and Genocide
Studies with the Strassler Center for Holocaust and Genocide Studies.

Clark University is located on a 35-acre campus within Worcester, the
heart of central Massachusetts. Eleven other universities and colleges
in the city and surrounding area form the Higher Education
Consortium of Central Massachusetts. The School maintains an
extensive Map and Digital Library that is a depository for federal
agencies, a graduate student computer room and lounge, office or
desk space for most graduate students, an undergraduate lounge, and
CoFERT (Computer Facility for Environmental Research and
Teaching), an advanced computing lab.

The Graduate School of Geography and Clark's Department of
International Development, Community, and Environment (IDCE)
jointly offer a M.S. degree in Geographic Information Sciences for
Development and Environment. The degree is designed as a three or
four semester program for early and mid-career professionals with
responsibilities in mapping, environmental database development,
resource management, planning, policy implementation and
environmental monitoring. For further information, contact the IDCE
Department. Telephone (508)793-7201; Fax (508) 793-8820; Internet:
<http://www.clarku.edu/departments/geography/mapprograms/gisde.cfm>

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester system. The School of Geography's
undergraduate program emphasizes a broad education in the field of
geography with specializations in urban-economic, human-
environment, GIS-remote sensing, and earth system science.
Geography majors are required to become proficient in research
methods and are encouraged to gain skills in quantitative methods,
GIS, and mapping. Students with an outstanding academic record are
eligible to participate in the Geography Honors program, which
involves the completion of a two-semester independent honors project
conducted under the supervision of a faculty member. Many
geography majors study abroad, and qualified majors may be selected
for Clark's prestigious Human-Environment Regional Observatory
(HERO) Program, a nationally competitive NSF REU Site program,
which includes paid summer research fellowships and a year-long
research seminar (<http://www.clarku.edu/departments/hero/>). Majors
may also be selected for Clark's competitive internship program with
NOAA.

The School also offers a major in Global Environmental Studies
(GES) and a concentration in Earth Systems Science (ESS) in Clark's
Environmental Science major. GES focuses on the economic, cultural,
and political forces that produce environmental transformation and
affect sustainability, and economic and social justice. ESS examines
how the earth system's component parts interact and function as a
whole through biophysical connections among land, cryosphere,
atmosphere, and oceans. Both majors offer such technical skills as
remote sensing and geographical information systems for those
students seeking them as well as an array of internships, study abroad,
and special study programs. GES majors and ESS concentrators are
qualified to apply for the various honors and related programs noted
above for geography. The Accelerated Degree Program gives
qualifying Clark undergraduate students access to our high-quality
graduate programs and requires students to conduct original research.
Applicants to the program who meet certain eligibility requirements

can receive a tuition scholarship during their Fifth Year to pursue a M.A. degree.

For further information regarding the academic plan, admission requirements or financial aid, please contact Undergraduate Admissions Office, Clark University, 950 Main Street, Worcester, Massachusetts 01610-1477. Telephone: (508)793-7431. For further information on the undergraduate programs in geography, global environmental studies, or the concentration in earth systems science, you may contact the Undergraduate Program Coordinator at geography@clarku.edu; Telephone: (508)793-7282 or (508)793-7336; Fax: (508)793-8881; Internet: www.clarku.edu/departments/geography. In addition, for Global Environmental Studies, you may also contact Professor Dianne Rocheleau, GES Director for 2014-15 (drocheleau@clarku.edu or ges@clarku.edu); Internet: www.clarku.edu/departments/ges. For the Earth Systems Science concentration in the Environmental Science major, you may also contact Professor Christopher Williams (cwilliams@clarku.edu) Telephone: (508)793-7323; Internet: <http://www.clarku.edu/departments/ES/ess/>.

GRADUATE (PH.D. PROGRAM): Semester system. Three year residence required for Ph.D. *Admission Requirements:* interests coincident with those of department; evidence of competence to pursue graduate work at the Ph.D. level; GRE scores required for all applicants; applicants from related fields will be considered. TOEFL scores (or the results of another English proficiency test) and the TOEFL test of spoken English (TSE) are required of those students from countries where English is not the first language. An exception is made for students who are currently studying in the United States, Canada, Great Britain or Australia or who have received a degree from a university in those countries. The application deadline is December 31st. *Financial Aid* includes tuition fellowships and research and teaching assistantships. All students accepted into the program are funded equally. Interested applicants should contact Brenda Nikas-Hayes (BNikasHayes@clarku.edu), Graduate Program Administrator, Telephone: (508)793-7337, c/o Graduate School of Geography, or Email: geography@clarku.edu.

FACULTY:

- Yuko Aoyama, Ph.D., UC-Berkeley, 1996, *Professor of Geography and Editor-in-Chief, Economic Geography* — economic/industrial geography, globalization, technological change, cultural economy
- Anthony J. Bebbington, Ph.D., Clark, 1990, *Milton P. and Alice C. Higgins Professor of Environment and Society and Director, Graduate School of Geography* — human-environment, development geography, social movements, political ecology, extractive industries, Latin America
- Mark Davidson, Ph.D., London, 2006, *Assistant Professor of Geography* — urban geography, gentrification, urban politics, metropolitanism, policy-making, critical theory
- J. Ronald Eastman, Ph.D., Boston, 1982, *Professor of Geography* — geographic information systems, remote sensing, earth system informatics, land use change
- Jacque (Jody) L. Emel, Ph.D., Arizona, 1983, *Professor of Geography* — natural resources, political ecology, feminist theory, governance, animal geographies
- Karen Frey, Ph.D., UCLA, 2005, *Assistant Professor of Geography* — climate change, land surface hydrology, Arctic environments, remote sensing
- Alex S. Gardner, Ph.D., University of Alberta, 2010, *Assistant Professor of Geography* — Climate-cryosphere interaction, remote sensing of the cryosphere, sea level rise, Earth system modeling
- Susan Hanson, Ph.D., Northwestern, 1973, *Distinguished University Professor Emerita* — urban/economic geography, social geography, gender
- Roger E. Kasperson, Ph.D., Chicago, 1966, *Research Professor* — environmental hazards, global environmental change, environmental policy

- Dominik Kulakowski, Ph.D., University of Colorado, 2002, *Assistant Professor of Geography* — forest ecology, mountain forest ecosystems, disturbance ecology
- Deborah G. Martin, Ph.D., Minnesota, 1999, *Associate Professor of Geography* — urban/social/political geography, law and geography, qualitative methods, place and social movements theories
- James McCarthy, Ph.D., UC-Berkeley, 1999, *Professor of Geography* — political ecology, political economy, environmental governance, social theory
- James T. Murphy, Ph.D., Florida, 2001, *Associate Professor of Geography and Associate Director, Graduate School of Geography* — economic/urban/development geography, technology, sustainable development, networks, practice theory
- Richard Peet, Ph.D., UC-Berkeley, 1968, *Laskoff Professor of Economics, Technology, and Environment* — globalization, global governance, development theory and policy, philosophy and social theory, political ecology
- Colin Polsky, Ph.D., The Pennsylvania State University, 2002, *Associate Professor of Geography, and Associate Dean of the College* — climate impacts, human-environment vulnerability to global environmental change, spatial statistics, mixed methods
- Robert Gilmore Pontius, Jr., Ph.D., State University of New York, 1994, *Professor of Geography* — geographic information science, land change science, spatial statistics, quantitative modeling
- Samuel J. Ratick, Ph.D., Johns Hopkins, 1979, *Professor of Geography* — environment and public policy, hazards, spatial analysis, decision science and GIS
- Dianne E. Rocheleau, Ph.D., Florida, 1984, *Professor of Geography* — political ecology, environmental justice, urban ecology, gender, culture, nature and development, forestry, agriculture, land and resource rights, social movements, network theory
- John Rogan, Ph.D., San Diego State University and UC-Santa Barbara, 2003, *Associate Professor of Geography* — remote sensing, land cover change, biogeography, fire ecology
- B.L. Turner II, Ph.D. Wisconsin, 1974, *Research Professor* — human-environment geography, land-change science, global environmental change
- Christopher A. Williams, Ph.D., Duke University, 2004, *Assistant Professor of Geography* — land surface hydrology, ecosystem ecology, hydroclimatic variability and change, global water and carbon cycles

AFFILIATE AND ADJUNCT FACULTY:

- Jacqueline Geoghegan, Ph.D., Berkeley, 1995, *Adjunct Professor of Geography and Professor of Economics* — spatial econometrics, resource economics
- Robert W. Kates, Ph.D., Chicago, 1962, *Affiliate Professor of Geography and Distinguished Scientist, George Perkins Marsh Institute* — sustainability of the biosphere, climate impact assessment, and nature/society theory
- Yelena Ogneva-Himmelberger, Ph.D., Clark, 1998, *Adjunct Assistant Professor, Graduate School of Geography and Assistant Professor, Department of International Development, Community, and Environment* — health applications of GIS and remote sensing; environmental justice and GIS; spatial statistics; urban applications of remote sensing; land-use change and environmental degradation
- Florencia Sangermano, Ph.D., Clark, 2009, *Adjunct Research Assistant Professor, Graduate School of Geography and Research Assistant Professor, Clark Labs* — conservation biology, GIS, Remote Sensing and Landscape Ecology

EMERITI FACULTY:

- Martyn J. Bowden, *Emeritus Professor of Geography*
- Douglas L. Johnson, *Emeritus Professor of Geography*
- Duane S. Knos, *Emeritus Professor of Geography*
- Gerald J. Karaska, *Emeritus Professor of Geography*
- William A. Koelsch, *Emeritus Professor of Geography*

Laurence A. Lewis, Emeritus Professor of Geography
Robert Cameron Mitchell, Emeritus Professor of Geography
Henry J. Steward, Emeritus Professor of Geography

MOUNT HOLYOKE COLLEGE

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

DATE FOUNDED: 1904

DEGREES OFFERED: B.A.

GRANTED 9/1/00-8/31/13: 228 Bachelors

MAJORS: 43

CHAIR: Steven R. Dunn

DEPARTMENT ADMINISTRATIVE ASST: Cecile Vasquez

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Michelle Markley, Associate Professor of Geology, Department of Geology and Geography, Mount Holyoke College, 50 College St., Clapp 304, South Hadley, Massachusetts 01075-6419. Telephone: (413) 538-2278. Fax (413) 538-2239. E-mail: cvasquez@mtholyoke.edu. Internet: www.mtholyoke.edu/lacadgeo/.

PROGRAMS AND RESEARCH FACILITIES: Founded in 1837, Mount Holyoke became the premier model upon which other colleges for women were shaped. From an original class of 80 students, Mount Holyoke has grown to encompass an ethnically, racially, and culturally diverse student body of over 1,900 women, a faculty of 200, and an extraordinary array of academic facilities spread across an 800-acre campus. The College offers majors in 49 fields and a curriculum constantly enriched by new and innovative courses.

Mount Holyoke College is in South Hadley, Massachusetts, 5 miles north of the city of Holyoke and 12 miles north of Springfield. The Five-College towns of Northampton and Amherst are both 10 miles away. The college is 90 miles from Boston and 150 miles from New York City.

Mount Holyoke is a member of the Five College consortium, sharing academic and cultural resources with Amherst, Hampshire, and Smith Colleges and the University of Massachusetts. The more than 30,000 students attending the institutions may take courses, use library resources, and attend cultural and social events at any of the Five Colleges.

The Department of Geology and Geography at Mount Holyoke College offers Bachelors Degrees in Geology and Geography. Geography has been taught since the college's founding; in 1930 the combined department was created, with separate majors in each discipline. Currently, the department consists of four geographers and four geologists. Geography courses serve as a core for the International Relations major and the department cooperates closely with interdisciplinary programs in Environmental Studies, African Studies, American Studies, and Women Studies. Faculty use library have active research programs which take them and their students to eastern Canada, Africa, Alaska, Mexico, the American Southwest, and the Canadian Rocky Mountains and Arctic. The Connecticut Valley is a prime location for fieldtrips which are a critical component of our program. The Williston Library stores USGS and AMS depository maps; the Library also contains more than 1,850 periodical subscriptions and its total collection is 670,000 volumes which includes books, serials and bound periodicals; and students are able to access the Five College library system from department computers.

The GeoProcessing Lab hosts state of the art hardware and software necessary for modern GIS and Remote Sensing applications. All 14 Dual Core workstations are networked and connected to four data-map-application servers, plotter, printers, and desktop and large format scanners. Our specialized software includes:

- ArcGIS, ArcIMS, and ArcGIS Server
- Erdas Imagine with Photogrammetry Suite
- IORISI
- Definiens eCognition

For additional information on Geoprocessing facilities contact Dr. Thomas Millette at (413) 538-2813.

Geology maintains rock preparation facilities, analytical laboratories for sample analysis, and a scanning electron microscope. A microscope/computing laboratory is used by students and faculty conducting independent research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Mount Holyoke has a need based financial aid program and over 70% of the student body receives some form of financial aid. Student research is often funded by Mellon, College, or department grants.

FACULTY:

Persaram O. Batra, Ph.D., Pennsylvania State University, 2003, Visiting Lecturer in Geology — earth system science, atmosphere and weather, human dimensions of environmental change

Steven R. Dunn, Ph.D., Wisconsin-Madison, 1989, Professor — petrology/petrography, mineralogy, isotope geology, electron microscopy

Serin D. Houston, Ph.D., Syracuse University, 2012, Visiting Assistant Professor — economic geography; development-underdevelopment; state society, critical resource geography; social-environmental movements; discourses, institutions and power

Girma Kebede, Ph.D., Syracuse, 1981, Professor — development geography, population and food resources, spatial analysis, Africa

Eugenio Marciano Ph.D., Cornell University, 1994, Geoprocessing Lab Manager

Michelle J. Markley, Ph.D., University of Minnesota, 1998, Associate Professor — structural geology and tectonics

Mark A.S. McMenamin, Ph.D., California-Santa Barbara, 1984, Professor — paleontology, history of life, stratigraphy

Thomas L. Millette, Ph.D., Clark, 1989, Associate Professor — remote sensing, geographic information systems and environmental planning

Alan Werner, Ph.D., Colorado, 1988, Professor — oceanography, environmental geology, climate change geology, sedimentology

Martha M. Godchaux, Ph.D., Oregon, 1969, Professor Emeritus

SALEM STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1932

GRADUATE PROGRAM FOUNDED: 1992

DEGREES OFFERED: B.A., B.S., M.A.T., M.S.

GRANTED (yearly graduates): 30 Bachelors; 6 Masters

STUDENTS IN RESIDENCE: 100 Majors; 24 Masters

CHAIR: Stephen Matchak

ADMINISTRATIVE ASSISTANT: Pat Whynott

FOR FURTHER INFORMATION WRITE TO: Dr. Stephen Matchak, Department of Geography, Salem State University, 352 Lafayette St., Salem, Massachusetts 01970. Telephone (978) 542-6225. Fax (978) 542-6269. E-mail: pwhynott@salemstate.edu. Internet: dgl.salemstate.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES: The Department offers a B.S. Degree in Cartography and GIS and a B.S. or B.A.

degree in Geography with four concentrations; Environment, Natural Resource Management, Regional Development & Planning, and Tourism. At the graduate level the department offers a M.S. in Geo-Information Science. Each program combines a strong academic geography background with applied fields in urban or regional studies, physical geography, environmental management, travel, marketing, tourism development, remote sensing, computer mapping and geographic information systems.

A senior year internship program provides for career counseling and occupational experience for academic credit. The internship program contracts with many businesses and agencies within the Salem-Boston metropolitan area, which also serves as a valuable resource for post graduate employment.

The Department is located next to the College Library, with its collections of geo-science journals and texts. Departmental facilities include physical geography laboratories and the Digital Geography Laboratory, a geo-computing facility housing digitizing equipment, and an extensive collection of mapping and analytical software.

For applied physical and environmental studies the department has access to a three thousand acre wildlife sanctuary located five miles from the college. This unique setting allows students to conduct applied research, employing the department's extensive holdings of field instrumentation including digital weather stations, soil and hydrology equipment, and a global positioning system (GPS) base station and field units.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester System.

UNDERGRADUATE: Applications may be obtained from The Admissions Office, Salem State College, Salem, MA 01970, (978) 542-6200. S.A.T. Scores are required.

GRADUATE: Applications may be obtained from The Division of Graduate Education, Salem State College, Salem, MA 01970, (978) 542-6300 GRE Scores are required.

FINANCIAL AID: Inquiries to the Financial Aid Department, Salem State College, Salem, MA 01970, (978) 542-6112. Financial aid includes .E.O.G., Pell Grant, College Work-Study, Massachusetts State Scholarships, National Direct Student Loan, Massachusetts Tuition Waiver Program, Guaranteed Student Loan Program, Presidential Scholars, Alumni Scholarship awards. Graduate Assistantships are available.

FACULTY:

William L. Hamilton, Ph.D., Oregon State, 1980, Professor — computer assisted cartography, quantitative methods, GIS, digital image processing, physical

John T. Hayes, Ph.D., UCLA, 1986, Associate Professor — climatology, global change, GIS, modeling, physical, environmental impact assessment, resource management

Noel Healy, Ph.D., NUI, Galway, Ireland, 2010, Assistant Professor — tourism, environmental sustainability, sustainable tourism development

Lorri K. Krebs, Ph.D., Waterloo, 2004, Associate Professor — tourism development, resource management, Latin America, Canada

Marcos Luna, Ph.D., University of Delaware, 2007, Associate Professor — resource management, environmental justice, GIS

Stephen Matchak, Ph.D., North Carolina at Chapel Hill, 1982, Professor — cultural, landscape, New England

Keith A. Ratner, Ph.D., Denver, 2000, Professor — urban and regional planning, GIS, United States, transportation

Steven Silvern, Ph.D., Wisconsin at Madison, 1995, Associate Professor — Native Americans, environmental justice, political geography

Stephen S. Young, Ph.D., Clark, 1997, Professor — biogeography, remote sensing, physical, Asia

PART-TIME FACULTY:

Arthur A. Francis, B.S., Salem State, 1979, Lab Meteorologist

STAFF:

Kym Pappathanasi, B.A., Vermont, 1991, Systems Manager — Digital Geography Laboratory

EMERITUS FACULTY:

Richard T. Anderson, Ed.D., Boston, 1983, Professor — economic, marketing, geographic education, world regions

Robert H. Arnold, Ph.D., Clark, 1970, Professor — cartography, imagery, interpretation, climatology

Laurence E. Goss, Jr., Ph.D., Washington at Seattle, 1973, Professor — urban and regional planning, tourism development, Europe

Theodore S. Pikora, Ph.D., Boston, 1973, Professor — recreation, tourism, research methods

WORCESTER STATE UNIVERSITY

DEPARTMENT OF EARTH, ENVIRONMENT AND PHYSICS

DEGREES OFFERED: B.S. in Geography, B.S. in Natural Science

GRANTED: 8/01/12-7/31/13: 12 in Geography

MAJORS: Geography: 30; Natural Science

(Environmental): 25

CHAIR: Patricia Benjamin

FOR CATALOG INFORMATION WRITE TO: Department Secretary, Department of Earth, Environment and Physics, Worcester State University, 486 Chandler Street, Worcester, MA 01602. Telephone: 508-929-8583, E-mail: pbenjamin@worcester.edu; Internet: www.worcester.edu

PROGRAMS AND RESEARCH FACILITIES: The Department of Physical and Earth Sciences offers a B.S. degree in Geography. Students concentrate in general geography, environmental studies, earth systems science or GIS. The geography faculty also offers foundation earth sciences courses. The department also offers a B.S. degree in Natural Science, including a concentration in Environmental Science, among other integrated science programs. Our hybrid department includes four physicists who participate in the Natural Science program and offer a minor in Physics. The department is housed in the college's science building; facilities include a GIS lab and two small physical geography labs.

GEOGRAPHY FACULTY:

Patricia A. Benjamin, Ph.D., Clark University, 2002, Associate Professor — environmental change, cultural/political ecology, Africa, North America

Timothy L. Cook, Ph.D., University of Massachusetts, 2009, Assistant Professor — sedimentary processes, Quaternary environmental change

Allison L. Dunn, Ph.D., Harvard University, 2006, Associate Professor — atmospheric science, physical geography

Frank R. Hall, Ph.D., University of Rhode Island, 1991, Professor — marine geology, physical geography

William J. Hansen, Ph.D., City University of New York, 2002, Associate Professor — GIS, remote sensing, cartography, environmental resource management

Stephen R. Healy, Ph.D., University of Massachusetts, 2006, Associate Professor — human geography, social theory, solidarity economies

Douglas E. Kowalewski, Ph.D., Boston University, 2009, Assistant Professor — geomorphology, climate modeling, glaciology

MICHIGAN

CALVIN COLLEGE

DEPARTMENT OF GEOLOGY, GEOGRAPHY, ENVIRONMENTAL STUDIES

DATE FOUNDED: 1983

**DEGREES OFFERED: B.A. (Geography, Environmental
Studies), B.S. (Geology, Environmental Geology)**

GRANTED 9/1/13 - 05/31/14: 23 Bachelors

MAJORS: 81

CHAIR: Johnathan Bascom

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Johnathan Bascom, Department of Geology, Geography, and Environmental Studies, Calvin College, 1740 Knollcrest Circle SE, Grand Rapids, MI 49546.

Telephone (616) 526-6370. Fax (616) 526-6501. E-Mail: jbascom@calvin.edu. <http://www.calvin.edu/academic/geology/>.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geology, Geography and Environmental Studies offers Bachelors Degrees and minor concentrations in Geography, Geology and Environmental Studies. It is a principal player in an interdisciplinary Environmental Science program and a strong participant in International Development Studies, and Elementary and Secondary Education. Current faculty includes five geographers, two geologists, a specialist in environmental history and policy, and an earth science education specialist. The geography faculty have active research programs in aeolian and coastal geomorphology; refugee resettlement; Geographic Information Systems (GIS); the relevance of Christian philosophy for geography; and the relationships among worldviews, agriculture and place.

The curriculum emphasizes the natural, cultural, societal and spiritual contexts in which people live. The mission of the geography program is to expand students' knowledge of how cultures and communities transform and organize their physical, ecological and economic environments into human landscapes. Student participation in undergraduate research is a notable strength of the program. Student researchers have recently participated in coastal dune geomorphology and management investigations; GIS applications to resource management and terrorism; studies of community organizations among Eritrean refugees; and studies of marine resource management in New Zealand.

The department facilities include three teaching laboratories, two research laboratories, and a geospatial analysis laboratory for GIS, computer cartography, and data analysis. The Geospatial Lab software includes ArcGIS, Erdas Imagine, Rockworks, SPSS, and Canvas with GIS extension. The field research lab used by physical geography students is designed for mechanical analysis of soil and sediment, and simulation of fluvial processes. Field equipment includes Juno GPS units, a variety of meteorological, geomorphological and surveying instruments. The department also runs the on-campus weather station. The Department is a USGS repository, presently possessing over 8,000 maps. It is also a repository for census material available on CD-ROM including TIGER files, DLGs, and other digital data.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Calvin College is a comprehensive liberal arts college in the Reformed tradition of Christianity, located in metropolitan Grand Rapids, Michigan, on a 370-acre campus. Founded in 1876, it is one of the largest Christian colleges in North America with over 3,900 students and 100 academic programs, and an international reputation as a center of faith-shaped thinking. The

academic year is based on a semester system with a January Interim. High school grades and college entrance test scores are used in selecting students for admission. Calvin College has a need and merit based financial aid program and more than 90% of the students receive some kind of financial aid. <http://www.calvin.edu/admin/admissions/>

FACULTY:

Johnathan Bascom, Ph.D., University of Iowa, 1989, Professor — Africa, economic geography, refugees and internally displaced persons, geographic pedagogy

Ken Bergwerff, M.A.T., Grand Valley State University, 1988, Assistant Professor — science education

Mark D. Bjelland, Ph.D., University of Minnesota, 2000, Professor — urban geography, urban planning, environmental studies, Geographic Information Systems

James R. Skillen, Ph.D., Cornell University, 2006, Assistant Professor — natural resource policy, environmental history, environmental ethics

Ralph F. Stearley, Ph.D., University of Michigan, 1990, Professor — paleontology, historical geology, stratigraphy, sedimentology

Deanna van Dijk, Ph.D., University of Waterloo, 1998, Professor — aeolian and coastal geomorphology, cold-climate processes, wind erosion in complex environments

Jason E. VanHorn, Ph.D., Ohio State University, 2007, Professor — Geographic Information Systems, cartography, remote sensing, geography of terrorism

Gerald Van Kooten, Ph.D., University of California, Santa Barbara, 1980, Professor — exploration and development geology, geochemistry, geothermal energy

CENTRAL MICHIGAN UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1901

**DEGREES OFFERED: B.A., B.S., M.S. (Geographic
Information Science)**

GRANTED: 2012-13 Year: Bachelors - 36, Masters - 3

MAJORS: 103

CHAIR: David K. Patton

**DEPARTMENT ADMINISTRATIVE ASST: Nancy L.
Bauer**

GRADUATE COORDINATOR: Brian L. Becker

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: David K. Patton, Department of Geography, Central Michigan University, 296A Dow Science Bldg., Mt. Pleasant, Michigan 48859. Telephone (989) 774-3323. Fax (989) 774-2907. Email: pattd1d@cmich.edu. Web: www.geo.cmich.edu.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The Department offers majors and minors in Geography. A Geography major can pursue a specialization in one of the four concentrations: Geographic Information Sciences (GISci), Environmental and Land Use Planning, Global Studies, and Geospatial Analysis of the Environment. Minors exist for Geography and Geographic Information Sciences. The department also has a long standing teacher preparation program.

GRADUATE: The department offers an MS in Geographic Information Science. Thesis and non-thesis plans are available. An accelerated

M.S. program is available for undergraduate seniors with exceptional academic qualification. Students can concentrate their studies in GIS, Remote Sensing, Cartography, and/or an application area in Geography or related disciplines. The department also participates in the interdisciplinary Graduate Certificate Program in Data Mining. The graduate curriculum prepares students for professional careers in public and private sectors as well as for entering Ph.D. programs. Faculty research focuses include: geographic information services, wetland remote sensing, cartographic design, spatial cognition, spatial modeling, land use analysis, spatial statistics, transportation, China, and Latin America.

The department manages two instructional laboratories with state-of-the-art computers and specialized peripheral devices as well as extensive series of advanced GPS and surveying equipment from Trimble and Sokkia. The department maintains a wide range of leading professional software in GIS, Remote Sensing, statistics, and graphic design. Two Citrix metaframe servers allow easy access to application software through the Web. The soils/hydrology laboratory facilitates physical and chemical analysis. The department is home to the Michigan Geographic Alliance and the Center for Geographic Information Science, which provides additional resources for research and learning.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Central Michigan University is on the semester plan. Admission requirements are available on the university web site www.cmich.edu, or from the Director of Admissions, 100 Warriner Hall. Financial aid information may be obtained from the Director of Financial Aid, 220 Warriner Hall, Central Michigan University, Mount Pleasant, Michigan 48859. The Department offers the Thornthwaite, Olmstead, and Calkins Scholarship Awards.

GRADUATE: Admission to the graduate program requires applicants to (1) hold a bachelor's degree from an accredited college or university, (2) maintain at least a B average during the last 2 undergraduate years, (3) submit GRE scores, (4) submit 2 letters of recommendation, and (5) send application to the College of Graduate Studies at CMU. Foreign students whose native language is not English must submit TOEFL scores or results of equivalent standard tests. Graduate assistantships include a 10-month stipend as well as waiver of 20 hours of tuition per year. Additional financial support is available through research assistantships and university fellowships.

FACULTY:

Brian L. Becker, Ph.D., Michigan State University, 2002, Associate Professor and Graduate Coordinator — remote sensing, Great Lakes wetland ecology, environmental studies, GIS, CAD, GPS
Jorge A. Brea, Ph.D., Ohio State University, 1986, Associate Professor — population, Latin America, Third World development, urban geography
Anthony Feig, Ed.D., University of Texas at El Paso, 2004, Assistant Professor — earth science education, paleoecology of pluvial lakes
Mark Francek, Ph.D., University of Wisconsin-Milwaukee, 1988, Professor — soils, physical geography, GPS/GIS, earth science education
Hoehun Ha, Ph.D., State University of New York at Buffalo, 2011, Postdoctoral Teaching & Research Associate — Spatial Analysis, Spatial Statistics, Environmental Health GIS
Benjamin Heumann, Ph.D., University of North Carolina at Chapel Hill, 2011, Assistant Professor and Director of CMU Center for Geographic Information Science — Remote sensing and GISci
Austin Jena Krause, M.S., University of Wisconsin-Madison, 2010, Lecturer — Physical Geography, Environmental Geography, Geomorphology, Hydrology, Natural Resources
Bin Li, Ph.D., Syracuse, 1993, Professor — geographic information science, cartography, remote sensing, economic geography, China

Michael J. Libbee, Syracuse, 1975, Professor — geographic education, teacher preparation, human geography
Matthew E. Liesch, Ph.D., Wisconsin, 2012, Assistant Professor — cultural geography, vernacular landscapes, rural economic development, geographic methods, environmental history, Great Lakes
M. David Meyer, Ph.D. Indiana State University, 1999, Lecturer — food and agriculture, Latin America, economic geography, cultural geography
David K. Patton, Ph.D., University of South Carolina, 1995, Professor, Department Chair — cartography, geographic visualization, GIS, urban planning
James A. Pytko, M.S., Central Michigan, 2009, Lecturer — physical geography
Ryan P. Shadbolt, Ph.D., Michigan State, 2009, Lecturer — meteorology, climatology
Gloria P. Siers, M.A., Wayne State University, 1973, Lecturer — environmental geography, physical geography
Yong Q. Tian, Ph.D., 1995, Waikato, New Zealand, Associate Professor — geocomputation, land-water dynamics, environmental modeling, coastal ecology
Xiaoguang Wang, Ph.D., University of Michigan, 2009, Assistant Professor — Urban and Regional Planning, spatial decision making, transportation, GPS, GIS
Liann Yates, M.S.E.S., Indiana University, 1996, Lecturer — environmental science, physical geography, water resources
Tao Zheng, Ph.D. University of Maryland, 2007, Assistant Professor — environmental remote sensing, GIS hydraulic modeling, land surface geophysical modeling

AFFILIATED:

Philip J. Gersmehl, Ph.D., University of Georgia, 1970, Research Scientist — spatial cognition, geography education
Marty Mater, B.A., Ohio University, Teacher Consultant, Michigan Geographic Alliance

EASTERN MICHIGAN UNIVERSITY

DEPARTMENT OF GEOGRAPHY & GEOLOGY

DATE FOUNDED: 1903 GRADUATE

PROGRAM FOUNDED: 1927

DEGREES OFFERED: B.A., B.S., M.S.

**STUDENTS IN RESIDENCE: Undergraduate 193;
Graduate 148**

GRANTED 7/01/12-06/30/13: 38 Bachelors; 45 Masters

HEAD: Rick Sambrook

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography & Geology, Eastern Michigan University, Ypsilanti, Michigan 48197. Telephone (734) 487-0218 or FAX (734) 487-6979. E-mail: rsambrook@emich.edu. World Wide Web: <http://www.emich.edu/geo/>

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography & Geology concentrates on the study of physical landscapes, their origins and the processes that alter them; the imprint of human activity on the earth's surface; the complex relationships among places; and the application of technology to human resource identification, conservation, and management. The department offers programs leading to the degree of Bachelor of Science/Bachelor of Arts degree with majors in EARTH SCIENCE AND EARTH SCIENCE TEACHING; GEOLOGY (including an optional concentration in hydrology); GEOGRAPHY (including an optional tourism concentration); GEOGRAPHY TEACHING; and URBAN AND REGIONAL PLANNING. Minors are offered in these fields, as

well as in Geographic Information Systems, GIS and Remote Sensing, Environmental Analysis, and Historic Preservation. Master of Science programs are offered in EARTH SCIENCE EDUCATION, GEOGRAPHIC INFORMATION SYSTEMS, URBAN PLANNING, and HISTORIC PRESERVATION. Our HISTORIC PRESERVATION graduate program, which celebrated its 30th Anniversary in 2009, is considered the largest and most comprehensive in the country. A geographic information systems and computer mapping facility is available to meet instructional and research needs. The department maintains close affiliation with the Institute for Geographic Research and Education, a research and outreach center that provides opportunities for students and faculty to apply geographic knowledge to the practical needs of communities and agencies throughout Michigan and the Great Lakes region. Four student groups are associated with department programs: the Geo-Club; Preservation Eastern, the Planning Awareness Club of Eastern (PLACE) and the Travel and Tourism Student Association.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

ACADEMIC PLAN: the semester system.

UNDERGRADUATE: 1) High School diploma or equivalent, 2) meet general university admission requirements, 3) submission of ACT or SAT test scores.

GRADUATE: 1) a bachelor's degree from an accredited institution, 2) meet Graduate School requirements, 3) have attained a 2.75 GPA.

FINANCIAL AID: Numerous scholarship, grant, and loan opportunities are administered through the university's Office of Financial Aid. The department awards approximately fifteen graduate assistantships that are available for up to two years of study. Assistantships carry a tuition waiver and monthly stipend. The department also annually awards several scholarships based on grades, activities, and needs. Awards generally range from \$500 to \$1,000.

FACULTY:

Dan Bonenberger, A.B.D., West Virginia University, 2008, Associate Professor — historic preservation, heritage interpretation
Michael Bradley, Ph.D., Utah, 1988, Professor — structural geology, petrology, petroleum geology
Nancy Bryk, M.A., Michigan, 1980, M.B.A. Michigan, 2007, Assistant Professor — American culture, heritage and historic interpretation, preservation and tourism, historical administration, museum studies
Christine Clark, Ph.D. University of Manitoba, 2002, Professor — mineralogy, petrology, pegmatology, environmental mineralogy
Todd Grote, Ph.D. West Virginia University, 2006, Assistant Professor — Quaternary Geology, Soils, Fluvial & Glacial Systems
Robert Jones, PhD, Portland State University, 1999, Professor — planning, urban geography, historic preservation
Edwin Joseph, Ph.D., University of Wisconsin, 2003, Professor — community development, extension education, GIS, urban & regional planning, Caribbean Islands
Hee-Jung Jun, Ph.D., The Ohio State University, 2010, Assistant Professor — sustainable community development and planning, neighborhood dynamics, housing issues and policy, residential mobility
Michael Kasenow, Ph.D., Western Michigan, 1994, Professor — hydrology, science education
Heather Khan, Ph.D., Florida State University, 2008, Assistant Professor — economic and community development, urban policy and politics, urban public finance, growth management, regional planning
Tom Kovacs, Ph.D., Penn State, 2000, Professor — meteorology, Interdisciplinary Environmental Science & Society (IESS) program

Kim Kozak, Ph.D., University of Calgary, 2011, Assistant Professor — Cultural Geography, Socio-Spatial Analysis, Tourism Geography, international educational programs, Latin America
Theodore Ligibel, Ph.D., Bowling Green (Ohio), 1994, Professor — cultural geography, historic preservation, cultural tourism
Steve LoDuca, Ph.D., Rochester, 1990, Professor — paleontology, sedimentology, stratigraphy
Chris Mayda, Ph.D., USC 1998, Professor — cultural geography, rural geography, settlement patterns
Zachary Moore, Ph.D., Texas State University, 2008, Associate Professor — K-16 geographic education, cultural/human geography, social justice issues, environmental geography, historical geography
Andrew A. Nazzaro, Ph.D., Michigan State, 1974, Professor — cultural geography, Africa, medical, international development,
M. Serena Poli, University of Padova (Italy), 1995, Professor — oceanography, micropaleontology, paleoclimatology
Katherine Ryker, Ph.D., North Carolina State University, 2014, Assistant Professor — Geoscience Education, Sedimentology, Stratigraphy, GIS
Richard A. Sambrook, Ph.D., Michigan State University, 1992, Professor & Head — Latin America, regional economic development, geotourism
Hugh Semple, Ph.D., 1997, University of Manitoba, Professor — cultural geography, geographic information systems
Norman Tyler, D. Architecture, 1987, University of Michigan, Professor — urban and regional planning, historic preservation
William F. Welsh, Ph.D., University of North Carolina-Chapel Hill, 2001, Associate Professor — G.I.S., remote sensing, environmental geography
Yichun Xie, Ph.D., Buffalo, 1994, Professor — geographic information systems, physical geography, urban and regional planning

LECTURERS:

Kelly Victor-Burke, M.S., Eastern Michigan University, 1989, Lecturer II — geography, geotourism, tourism geography, Russia and the former Soviet Union

GRAND RAPIDS COMMUNITY COLLEGE

DEPARTMENT OF SOCIAL SCIENCES

DEGREES OFFERED: A.A., A.S.

GEOGRAPHY MAJORS: 7

DEPARTMENT EDUCATIONAL SUPPORT PROFESSIONAL: Stacey Herrick

FOR INFORMATION WRITE TO: Dr. M.S. DeVivo, Social Sciences Department, Grand Rapids Community College, 143 Bostwick NE, Grand Rapids, MI, 49503. E-Mail: mdevivo@grcc.edu.

Program: The Geography program at Grand Rapids Community College (GRCC) seeks to achieve excellence by integrating a rich and challenging curriculum with field studies in the U.S. and abroad, while also making substantive contributions to geographical research and scholarship. Seven undergraduate courses are listed in the curriculum, which includes three currently offered online to students across the U.S. GRCC Geography majors are expected to make presentations at academic conferences; several have received scholarships and awards for field studies, completion of the baccalaureate, and conference participation. In recent years, students have conducted fieldwork throughout the U.S. and Latin America, as well as in Sub-Saharan Africa. Alumni have been successful in gaining funding to pursue M.A. and Ph.D. degrees in geography at a number of graduate programs including: Syracuse University, the University of Missouri, the University of Texas, Ohio University,

Kent State University, Rutgers University, and Western Michigan University.

GRCC is home to the Lambda Upsilon chapter of Gamma Theta Upsilon, which was chartered in 2007. Of the nearly 300 chapters that have been chartered since 1928, Lambda Upsilon is one of only eight distinguished with the award of *Honors*. This GRCC chapter of the International Geographical Honor Society remains devoted to raising funds for the education of girls in Sub-Saharan Africa, while also contributing to the sponsorship of the *GRCC Race, Ethnicity, and Identity Conference*. This annual conference includes an annual keynote lecture by a geographer of distinction as part of the Visiting Geographical Scientist Program (VGSP). Honorary GTU membership was awarded by Lambda Upsilon to *New York Times* columnist Nicholas Kristof in 2011.

Among the scholarships and awards presented by the Geography program is the *GRCC Geography Field Cap*, which is awarded to stellar graduates of the program, as well as those that have contributed to the advancement of Geography through fieldwork, exploration, research, teaching, publication, or exemplary service. In addition to selected alumni, VGSP distinguished speakers are presented with this award; other recipients include: Nicholas Kristof, Niem Huynh, Alicia Decker, and most recently, the notable scientist, Richard Leakey.

VGSP Distinguished Speakers:

2009 *Leon Yacher*
2010 *Marie Price*
2011 *Leon Yacher*
2012 *Kate Swanson*
2013 *Rebecca Sheehan*
2014 *Caroline Faria*

Geography Faculty:

M. S. DeVivo, Professor — leadership, history of geography, historical geography, geopolitics

GRAND VALLEY STATE UNIVERSITY

DEPARTMENT GEOGRAPHY AND PLANNING

DATE FOUNDED: 2000

**DEGREES OFFERED: B.A. in Geography; B.S. in
Geography**

GRANTED 9/1/13-8/15/14: 18

MAJORS: 65

MINORS: 49

CHAIR: Jeroen Wagendorp

DEPARTMENT ADMINISTRATIVE ASSISTANT:

Ms. Amanda Reader

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography and Planning, B-4-105 Mackinac, 1 Campus Drive, Allendale, MI 49401. Telephone (616) 331-8672. Fax (616) 331- 8635. E-mail: Readera@gvsu.edu. Internet: www.gvsu.edu/geography

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography and Planning at Grand Valley State University offers B.S. and B.A. degrees in Geography. We also offer minors in Geographic Information Systems (GIS), City and Regional Planning, and the Geography Education at the secondary level. Michigan teacher certification requires the completion of the School of Education professional program.

The Department offers a wide selection of geography and planning courses, balancing offering in thematic and regional geography.

Particular strengths are geographic techniques, regional studies and environmental geography. The relatively small size of the department allows for very close interaction between faculty and students, and the possibility to build customized programs around students' specific interests.

The Department is located on the beautiful Allendale campus of GVSU, between the Lake Michigan shore and the city of Grand Rapids, offering excellent opportunities for field research in the nearby state and nature centers as well as urban educational and research possibilities in Grand Rapids. Abundant internship opportunities are available for Geography and Planning majors and minors.

Supplementing coursework are a state-of-the-art computer laboratory with GIS and remote sensing applications (ArcGIS with several extensions, Idrisi, and Erdas), MAGICC/SENGEN climate modeling software, field and laboratory equipment, three digital weather stations belonging to GVSU, Trimble GPS base station and receivers and excellent library resources.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Grand Valley State University operates on the semester system. Admission to the undergraduate major program in Geography is the same as that for admission to the College of Liberal Arts and Sciences. The focus of the geography and planning major is on developing well-rounded graduates in the discipline who have a specialization or particular area of interest within the major. The requirements for the major in geography and planning comprise the completion of the general education program requirements and at least 36 semester credits in geography and planning with a minimum GPA of 2.0.

The major is made up of 12 credits of required courses and the remainder of upper-level electives. The department offers a wide range of upper level courses focused on GIS, remote sensing and image processing, global development, environmental geography, and planning in addition to regional geography courses

FULL-TIME FACULTY:

Roy Cole, Ph.D., Michigan State University, 1991, Professor — global development, Africa, Middle East, Great Lakes region, land-use/land cover change

Patricia Houser, Ph.D., AICP, Columbia University, 2007, Assistant Professor — Urban and Regional Planning, Urban Environmental Planning, Transportation Planning, Cultural Geography

Elena Lioubimtseva, Ph.D., Moscow State University, 1994, Professor — landscape ecology, climate change, carbon cycle, GIS, remote sensing, Russia and Central Asia

Kin M. PhD, Michigan State University, 2007, Assistant Professor — physical geography, world regional geography, cartography, remote sensing, global change, GIS, East Asia

James Penn, Ph.D., University of Florida, 2004, Associate Professor — Latin America, Amazon, development and globalization, agriculture, natural resource use, security issues

Wanxiao Sun, Ph.D., Johannes Gutenberg University of Mainz, 1999, Associate Professor — remote sensing, geo-spatial technologies, geographic modeling

Jeroen Wagendorp, Ph.D., AICP, GISP, University of Oklahoma, 1989, Chair, Associate Professor — Public Sector GIS Institutionalization, Environmental & Resources Management, Geography & Law, Europe

Gang Xu, Ph.D., Johannes Gutenberg University of Mainz, 1996, Associate Professor — economic geography, tourism, regional development

ADJUNCT FACULTY:

Mary E. Boehm, M.A., Western Michigan University, 1977 — Physical Geography, Regional Geography

Rod Denning, M.A., Western Michigan University, 1990 — Geographic Information Science
Michael Gutowski, M.A., Western Michigan University, 2008 — Regional Geography, Physical Geography
Mary Jo Hills, M.S., Michigan Technological University, 1990, M.S., Grand Valley State University, 2008 — Geographic Information Science
Janis Johnson, B.S., A.I.C.P., Grand Valley State University, 1975 — Land Use Planning, Planning Law
Ash Snyder, M.A., University of Illinois at Chicago, 1995 — Regional Geography, Cultural Geography
Judith Transue, M.A., Northwestern University, 1966, M.S.W., University of Michigan, 1972, M.A., Michigan State University, 2000 — Regional Planning, Housing
Jonathan Wessell, M.A., Western Michigan University, 1997 — Regional Geography, Cultural Geography

MICHIGAN STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1955

GRADUATE PROGRAM FOUNDED: 1952

DEGREES OFFERED: BA, BS, MS, MS-GIS and PhD

GRANTED 9/1/12-8/30/13: 18 Bachelors, 7 Masters, 8 PhD STUDENTS IN RESIDENCE: 70 Majors, 19 Masters, 30 PhD

NOT IN RESIDENCE: 1 Masters, 3 PhD

CHAIR: Alan F. Arbogast

DEPARTMENT ADMINISTRATIVE ASST: Judy Reginek

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Alan F. Arbogast, Chair, Department of Geography, 116 Geography Building, Michigan State University, East Lansing, Michigan 48824-1117. Telephone (517) 355-4649. Fax (517) 432-1671. E-mail: geo@msu.edu. Internet: www.geo.msu.edu.

GRADUATE PROGRAMS AND RESEARCH FACILITIES:

Graduate programs are designed to give various levels of professional competence in the theory, substance, methodology, and tools of geography. Systematic fields of emphasis are physical geography; spatial technologies; economic geography; and regional development, with other programs possible. Faculty research and travel give regional strength in Africa, Latin America, East Asia, and the United States. The department also offers Bachelors and Masters Degrees in Geographic Information Science. Strong supporting fields include the social sciences, climatology, soils, geomorphology, planning, epidemiology, forestry, resource development, recreation, and tourism. Research is facilitated by the African, Asian, and Latin American Studies Centers. The MSU library contains over 5 million volumes and a map library. Department facilities include UNIX and PC graphics laboratories with multiple workstations and modern soils laboratories. There is easy access to the department's Remote Sensing and GIS Research and Outreach Services, the Center for Global Change and Earth Observations, and the Office of the State Climatologist and Michigan Meteorological Resources Program.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Academic Plan semester system. Admission requirements for B.A. or B.S. admission to university and acceptable academic standing. Degree requirements include 120 semester credit hours including 30 semester hours in geography. Internships available.

GRADUATE: Academic Plan semester system. Admission guidelines for M.S. completion of an undergraduate degree with a 3.4 average for the last two academic years and satisfactory GREs; any qualified

student is encouraged to apply. Ph.D. completion of masters degree with thesis or equivalent, satisfactory grade-point average and GREs.

Teaching assistantships, university scholarships, research assistantships, M.S.U. Graduate Office Fellowships, and other awards are available. Women and minorities are encouraged to apply. Monthly half-time stipends start at ~ \$1,500 (plus nine credits of tuition per semester and health insurance). Deadline for applications is December 31 for financial aid the following autumn. Early application is helpful.

GEOGRAPHY FACULTY:

Jeffrey A. Andresen, PhD, Purdue, 1987, Associate Professor — agricultural meteorology/climatology
Alan F. Arbogast, PhD, Kansas, 1995, Professor and Chairperson — Quaternary geomorphology, paleo-environments, physical
Raechel A. Bianchetti, PhD, Penn State, 2014, Assistant Professor — Cognitive GIScience, geovisualization, remote sensing
Guo Chen, PhD, Penn State, 2007, Assistant Professor — urban, China
Jiquan Chen, PhD, Washington, 1991, Professor — Coupled human/natural systems, ecosystem analysis, forest ecology, remote sensing
Joe Darden, PhD, Pittsburgh, 1972, Professor — urban, social-cultural, U.S.
Kyle Evered, PhD, Oregon, 2002, Associate Professor — cultural, political, Middle East
Andrew Finley, PhD, Minnesota, 2007, Associate Professor — forestry, quantitative modeling
Sue C. Grady, PhD, CUNY, 2005, Associate Professor — medical, GIS, population
Richard E. Groop, PhD, Kansas, 1976, Professor — cartography, GIS applications, U.S. internal migration
Arika Ligmann-Zielinska, PhD, San Diego/UC-Santa Barbara, 2008, Assistant Professor — environmental and social modeling
Lifeng Luo, PhD, Rutgers, 2003, Assistant Professor — climate, meteorology, climate change
Joseph Messina, PhD, North Carolina, 2001, Professor — global environmental change, GIS
Nathan Moore, PhD, Duke, 2004, Assistant Professor — land-atmosphere interactions, regional climate modeling, land use/land cover dynamics
Emilio Moran, PhD, Florida, Professor — Latin America, human-environment interactions, tropical agriculture, land use
Sarah Nicholls, PhD, Texas, 2002, Associate Professor — recreation geography
Amber L. Pearson, PhD, Washington, 2010, Assistant Professor — Epidemiology, health geography
Bruce Wm. Pigozzi, PhD, Indiana, 1979, Professor — urban, economic and transportation geography, regional economic and transportation planning, quantitative methods, modeling
Jianguo Qi, PhD, Arizona, 1993, Professor — remote sensing, optical and microwave sensors, process-oriented models
Randall J. Schaetzl, PhD, Illinois, 1987, Professor — soil geomorphology, plant geography, Quaternary studies, physical
Ashton Shortridge, PhD, UC-Santa Barbara, 2000, Associate Professor — GIS
Cynthia Simmons, PhD, Florida State, 1999, Associate Professor — Latin America, economic development
Igor Vojnovic, PhD, Toronto, 1997, Associate Professor — urban, economic
Robert T. Walker, PhD, Pennsylvania, 1984, Professor — location theory, socio-environmental processes, rainforests
Julie A. Winkler, PhD, Minnesota, 1982, Professor — synoptic climatology, severe storms, physical geography
Catherine Yansa, PhD, Wisconsin, 2002, Associate Professor — paleo-environments, physical
Sharon Zhong, PhD, Iowa State, 1992, Professor — climate models
Leo C. Zulu, PhD, Illinois, 2006, Assistant Professor — Africa, GIS, remote sensing

ASSOCIATED FACULTY:

Juliegh Bookout, MA, Michigan State, 2006, Visiting Instructor — online instruction
Peilei Fan, PhD, MIT, 2003, Adjunct Professor — planning, China
Adrienne Domas Goldsberry, MA, UC-Santa Barbara, 2002, Visiting Instructor — online instruction, planning
Robert K. Hitchcock, PhD, New Mexico, 1982, Adjunct Professor — human-environment interactions
Eva Kassens, PhD, MIT, 2009, Adjunct Professor — planning, transportation
David Lusch, PhD, Michigan State, 1982, Senior Specialist — remote sensing, GIS, applied physical, geomorphology
Morris O. Thomas, MA, Michigan State, 1969, Visiting Professor — U.S., world regional, physical
Beth Weisenborn, MA, Michigan State, 2001, Outreach Specialist — online instruction
Antoinette M.G.A. WinklerPrins, PhD, Wisconsin, 1999, Adjunct Professor — Latin America, people-environment

EMERITUS FACULTY:

Kenneth E. Corey, PhD, Cincinnati, 1969, Professor Emeritus
Michael Chubb, PhD, Michigan State, 1967, Professor Emeritus
Jay R. Harman, PhD, Illinois, 1968, Professor Emeritus
John M. Hunter, PhD, Reading, 1954, University Distinguished Professor Emeritus
Gary A. Manson, PhD, Washington, 1979, Professor Emeritus
Assefa Mehretu, PhD, Johns Hopkins, 1969, Professor
Judy Olson, PhD, Wisconsin, 1979, Professor Emeritus
Robert N. Thomas, PhD, Penn State, 1968, Professor Emeritus
Jack F. Williams, PhD, Hawaii, 1973, Professor Emeritus
Robert I. Wittick, PhD, Iowa, 1972, Professor Emeritus

NORTHERN MICHIGAN UNIVERSITY

DEPARTMENT OF EARTH, ENVIRONMENTAL, AND GEOGRAPHICAL SCIENCES

DATE FOUNDED: 1905

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/10-8/31/11: 67 Bachelors

MAJORS: 305

CHAIR: Susy S. Ziegler (Head)

**DEPARTMENT ADMINISTRATIVE ASST: Jana
Nicholls**

FOR FURTHER INFORMATION WRITE TO: Susy S. Ziegler, Head, Department of Earth, Environmental, and Geographical Sciences, 1401 Presque Isle Ave., Northern Michigan University, Marquette, Michigan 49855-5301. Telephone (906) 227-1104, Fax (906) 227-1621. E-mail: eegs@nmu.edu. Internet: www.nmu.edu/eegs.

PROGRAMS AND RESEARCH FACILITIES: The undergraduate program offers majors in Earth Science; Environmental Studies and Sustainability; Environmental Science; Geomatics; Secondary Education in Earth Science; Secondary Education in Geography. Each major is designed to prepare students for graduate education and employment in a wide range of environmental fields. The department also offers a certificate in geographic information systems. Housed in a modern science building, the university and department offer an excellent library, field courses, laptops and software needed for coursework, and internships related to the majors. The department houses the NMU Geographic Information Systems/Remote Sensing Lab and research laboratories.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system and summer program. *Admission Requirements:* Undergraduate: minimum ACT composite score of 19 and a high school GPA of 2.25/4.0. *Financial Aid:* scholarships, grants, loans, department assistants, and work study.

FACULTY:

Michael J. Broadway, Ph.D., University of Illinois, 1983, Dean of College of Arts and Sciences/Professor — human geography
Stephen R. DeGoosh, Ph.D., Indiana State, 1990, Associate Professor — sustainability, urban, population, physical geography
Richard Eathorne, M.A., Northern Michigan University, 1977, Assistant Professor — human geography, economic geography, regional (Latin America), environmental studies
Norma J. Froelich, Ph.D., Indiana University, 2009, Assistant Professor — climatology, physical geography, geographic research
Weronika Kusek, ABD, Kent State University, Assistant Professor — human geography, migration, population, international studies
Robert J. Legg, G.I.S.P., Ph.D., Trinity College Dublin, 2006, Assistant Professor — GIS, cartography, quantitative methods
Robert S. Regis, Ph.D., Michigan Technological University, 1997, Professor — geology, glacial geology, groundwater/ hydrogeology, remote sensing
Ronald C. Sundell, Ph.D., Northwestern University, Illinois, 1991, Professor — environmental policy and regulation, environmental impact assessment, environmental restoration
Susy S. Ziegler, Ph.D., University of Wisconsin-Madison, 1999, Associate Professor and Head — biogeography, environmental science, geographic research, physical geography

EMERITI FACULTY:

Fillmore C.F. Earney, Ph.D., Michigan State, 1965
John Hughes, Ph.D., Northwestern, 1963
Alfred N. Joyal, Ph.D., Iowa, 1980
Bernard C. Peters, Ph.D., Michigan State, 1969
Jarl Roine, M.A., Indiana, 1951
Sten A. Taube, M.A., Georgia, 1963

WESTERN MICHIGAN UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1905

GRADUATE PROGRAM FOUNDED: 1964

DEGREES OFFERED: B.S. Geography, B.S. Community & Regional Planning, B.A. Tourism & Travel, M.A. Geography, Graduate Certificate in Geographic Information Science

GRANTED 9/1/12-8/31/13: Bachelors: 19 in Geography, 13 in Tourism & Travel, 10 Masters, 3 certificates

STUDENTS IN RESIDENCE: 176 Majors (86 in Geography, 37 in Tourism & Travel, 20 in Community & Regional Planning), 6 in GISci Certificate, and 27 Masters

NOT IN RESIDENCE: 0 Masters

CHAIR: Benjamin Ofori-Amoah

**DEPARTMENT ADMINISTRATIVE ASST: Mary Lou
Brooks**

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, 3244 Wood Hall, Western Michigan University, Kalamazoo, Michigan 49008-5424. Telephone (269) 387-3411. Fax (269) 387-3442. E-mail: ben.ofori@wmich.edu. Internet: www.wmich.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The Department offers a B.S. degree in Geography, a B.S. degree in Community and Regional Planning, a B. A. degree in Tourism and Travel, an M.A. degree in Geography, and a Graduate Certificate in Geographic Information Science. In the B.S. Geography degree, students may opt for concentrations in general geography, environmental analysis and resource management, geographic information science or teaching of geography. The B.S. in Community and Regional Planning requires core courses in planning and other social science disciplines and an elective. The B.A. in Tourism and Travel major requires a minor in either business or modern languages. The M.A. degree program in Geography includes foundation courses as well as opportunity for specialization in some aspect of Applied Geography. Thirty hours of approved graduate credits must be completed, of which at least twenty hours should be in geography. Students take ten hours of core courses (Geographic Research, Professional Skills, and Spatial Analysis). Subsequently they select at least a three-course concentration in one of three areas: Environmental and Resources Analysis, Community Development and Planning, Geographic Techniques. Individualized planned program is also possible. The Graduate Certificate in GIScience develops competencies in geographic information system, remote sensing, and spatial analysis for post baccalaureate students with no or limited GIScience background. It requires a minimum of 19 credits including core and elective courses.

The Department has 6 computer laboratories for teaching/learning and research to support GIS, Physical meteorology, remote sensing, urban and regional planning, and physical geography. Equipment includes more than 100 networked Pentium IV and Sun computers using Windows 2000/XP, or Unix operating systems with associated scanning and large format color printing capability and running ArcGIS (with extensions), PCI, LDM-McIDAS-X software for geographic analysis as well as statistical software and ancillary systems. The department runs the W.E. Upjohn Center for the Study of Geographical Change, which provides the academic community world class document, maps, photographs, and text preservation and digitalization. The center has the world's best equipment for large format scanning. The department also actively cooperates with the University's interdisciplinary Environmental Studies Program, the University's Health Data Research, Analysis and Mapping Center (HDRAM), University's Transportation Research Center for Livable Communities, and in the Michigan Geographic Alliance.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The University operates on a semester system and 122 semester credit hours of acceptable course study in a planned curriculum are necessary to receive a degree. First year students must submit ACT scores and transfer students must provide transcripts from their institution for admission. Undergraduate scholarships, work-study, student employment and assistantships are available through the Department of Geography. Per the rules of the College of Arts & Sciences, all undergraduates geography majors are required to take a minor outside of geography.

GRADUATE: Graduate courses are concentrated during the Fall and Spring semesters, although academic progress may be accelerated through independent study during the Summer I and II terms. Students with at least a 3.0 grade-point average (A=4.0) during the last four semesters of undergraduate work are eligible for admission to the program. Teaching and Research Assistantships for the academic year (September-April) are available. University fellowships are also possible. Students make general application for admission through the Graduate College. Applications for financial assistance must be supported by two letters of recommendation and transcripts of undergraduate work and are submitted to the Department of Geography. Assistants and Fellows are provided office space, as are other graduate students insofar as possible.

FACULTY:

- Kathleen Baker, Ph.D., Michigan State, 2002, Associate Professor* — physical geography, geographic information systems, agricultural and biogeography
- Stephen R. Cameron, ABD, Michigan State, 2007, Instructor* — Latin America & land cover change, regional geography, geospatial techniques
- Lisa DeChano, Ph.D., Southwest Texas, 2000, Associate Professor* — environmental geography, physical geography, hazards, environmental impacts, sports geography, space studies, general physics
- Charles Emerson, Ph.D., Iowa, 1996, Associate Professor* — geographic information systems, global positioning systems, computer mapping, surveying techniques, remote sensing, geospatial techniques, spatial analysis, quantitative methods
- Lucius Hallett IV, Ph.D., Kansas, 2007, Associate Professor* — human geography, tourism and travel, culinary geography and food networks, regional geography, agricultural geography, agritourism
- Chansheng He, Ph.D., Michigan State, 1992, Professor* — natural resource management, geographic information systems, agricultural zoning, agronomy, physical geography, water resource management
- David Lemberg, Ph.D., AICP, California-Santa Barbara, 1998, Associate Professor* — community and regional development planning
- Lei Meng, Ph.D., Texas A&M University, 2009, Assistant Professor* — land-atmospheric interactions, meteorology and climatology, geo-hydrology & engineering geology, soil physics
- Benjamin Ofori-Amoah, Ph.D., Simon Fraser, 1990, Professor, Department Chair & Acting Director, W.E. Upjohn Center for the Study of Geographical Change* — economic geography, economic development, urban and regional planning, geographic information systems, Africa
- C. Scott Smith, Ph.D., AICP, University of California-Irvine, 2010* — urban and regional planning, transportation planning, location analysis, environmental planning, geographic information systems, human geography
- Joseph P. Stoltman, Ed.D., Georgia, 1971, Professor* — geographic education, cultural geography, cartographic visualization
- Gregory Veeck, Ph.D., Georgia, 1988, Professor* — economic geography, agricultural geography, China, qualitative methods, research methods in geography, agritourism, political geography
- Li Yang, Ph.D., Waterloo, 2007, Associate Professor* — tourism planning, tourism marketing, and cultural tourism

ADJUNCT FACULTY:

- Michelle Metro-Roland, PhD, Indiana University, 2008* — cultural and urban geography, landscape, tourism, semiotics

EMERITI FACULTY:

- David G. Dickason, Ph.D., Indiana* — land and water resources assessment, geodata information processing, South Asia
- Val Eichenlaub, Ph.D., Ohio State* — meteorology and climatology, U.S. and Canada
- Rainer R. Erhart, Ph.D., Illinois* — remote sensing, physical geography, biogeography
- Charles F. Heller, Ph.D., Illinois* — agriculture, urban social, historical geography
- Eugene C. Kirchherr, Ph.D., Northwestern* — urban geography, urban and regional planning, Sub-Saharan Africa, political
- Philip P. Micklin, Ph.D., Washington* — post-Soviet states, conservation, environmental impact assessment, Aral Sea
- Eldor C. Quandt, Ph.D., Michigan State* — tourism and travel, population, Scandinavia
- Hans J. Stolle, Ph.D., Wisconsin-Madison* — cartography, computer graphics, remote sensing, cartographic visualization
- George Vuicich, Ph.D., Iowa* — geographic education, urban, quantitative methods

W.E. Upjohn Center for the Study of Geographical Change:
Gregory Anderson, B.S., Western Michigan — geographic
information system analysis

MINNESOTA

GUSTAVUS ADOLPHUS COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1952

DEGREES OFFERED: B.A.

GRANTED 8/22/12-8/22/13: 12 Bachelors

CHAIR: Anna Versluis

**DEPARTMENT ADMINISTRATIVE ASST: Ms. Judy
Helmeke**

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO:** Department of Geography, Gustavus Adolphus College, 800 W
College Ave., Saint Peter, Minnesota 56082. Telephone (507) 933-
7320. Fax (507) 933-6285. E-mail: aversluis@gustavus.edu. Internet:
<https://gustavus.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography cultivates in our students a holistic understanding of human-environment relationships; a critical awareness of environmental, economic, political, and cultural global change; and knowledge of the world's diverse regions. We seek to play a major role in the College's mission of providing an education that "is both interdisciplinary and international in perspective" while simultaneously modeling effective, just engagement with local communities. Our courses are intellectually stimulating: students are challenged to new understandings of the world around them while developing deeper values of community, service, and justice. We encourage curiosity, problem-solving, "real world" field experiences, collaboration, reflection, and strong communication. Field study of both social and biogeophysical phenomena, mapping, scale dynamics, and geospatial analysis and modeling are fundamental to how geographers work. The department encourages student-faculty collaborative research, and students from the department regularly present papers at academic conferences. Our graduates continue on to successful careers in natural resource management, urban and regional planning, geospatial analysis, education and research, business, international and community development, and environmental law and policy. According to a recent alumni survey, two thirds of Gustavus Geography alumni hold a graduate degree.

The department is located on the first floor of the Nobel Hall of Science. The Robert Moline Map Library is housed in the department and features a collection of nearly 100,000 maps from around the world. GIS facilities include a server with an extensive digital map collection for Minnesota and a PC laboratory with twenty computers equipped with a wide array of statistical, environmental modeling, and GIS software including ArcGIS, IRISI, and Orthomapper. The Jacobson Climatology Laboratory, departmental weather station, groundwater well-field, and a stream monitoring station provide instructional and research opportunities for students.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Gustavus Adolphus College is on a semester plan. Admission requirements are available from: Office of Admissions, Gustavus Adolphus College, Saint Peter, Minnesota 56082 (<https://gustavus.edu/admission/>), Tel. (507) 933-7676 or 1-

800-GUSTAVUS; E-mail: admissions@gustavus.edu. Financial Aid information may be obtained from: Financial Aid Office, Gustavus Adolphus College, Saint Peter, Minnesota 56082 (<https://gustavus.edu/admission/financial-aid/>). Prospective students are welcome to contact the department chair to arrange a departmental tour and a meeting with faculty. College employment is available in the Map Library or as a teaching assistant.

FACULTY:

Lencho Bati, M.A., Hamline University, 2004, Visiting Instructor — economic development, Africa, democracy, Middle East, human rights

Jeff La Freniere, Ph.D., Ohio State University, 2014, Assistant Professor — physical geography, GIS, mountain geography, water resources, cryosphere, climate change

Robert Moline, Ph.D., University of Minnesota, 1969, Professor Emeritus — cultural landscape, American West, environmental history

Joaquín Villanueva, Ph.D., Syracuse University, 2013, Visiting Assistant Professor — urban geography, political geography, Europe, legal geography

Anna Versluis, Ph.D., Clark University, 2008, Associate Professor and Chair — human-environment, political ecology, Haiti, remote sensing, disasters

MACALESTER COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1947

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 44 Bachelors

MAJORS: 82

CHAIR: William G. Moseley

DEPARTMENT COORDINATOR: Laura J. Kigin

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO:** Department of Geography, Macalester College, 1600 Grand Avenue, Saint Paul, Minnesota 55105-1899 USA. Telephone: 651.696.6249. Fax: 651.696.6116. E-mail: kigin@macalester.edu. Internet: www.macalester.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES: The department focuses on urban and regional planning; cartography and geographic information systems; human-environment geography; medical and population geography; development geography; and area studies. Majors in geography are required to take at least one research seminar. Independent work is encouraged. Many students do an internship. Courses often include service learning or action research activities. The department's Cartography and GIS Lab uses ArcGIS software primarily and maintains extensive databases for local projects and regional US explorations. In addition to the campus library, students have interlibrary loan privileges from neighboring liberal arts colleges in the Twin Cities and from the University of Minnesota libraries. The department hosts the NGS-sponsored Minnesota Alliance for Geographic Education and is a partner with Environmental Studies in the Mellon Three Rivers Center.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND
FINANCIAL AID:** Two semesters, fall and spring. Information regarding admission requirements and financial aid may be obtained by contacting the Admissions Office, Macalester College, 1600 Grand Avenue, St. Paul, MN 55105-1899 (toll-free 800-231-7974). Approximately 74 percent of Macalester's students receive some form of financial aid.

FACULTY:

Holly R. Barcus, Ph.D., Kansas State, 2001, Associate Professor — population, GIS, rural geography, migration
Eric Carter, Ph.D., Wisconsin, 2005, Assistant Professor & Holder of Edens Chair — medical, human-environment, Latin America
David A. Lanegran, Ph.D., Minnesota, 1970, John S. Holl Professor — urban, human, geographic education
William G. Moseley, Ph.D., Georgia, 2001, Professor — human-environment, development, agriculture, Africa
Ashley Nepp, MGIS, Minnesota, 2011 — GIS Lab Instructor
Jerry Pitzl, Ph.D., Minnesota, 1974, Professor Emeritus
Laura J. Smith, Ph.D., Minnesota, 2004, Associate Professor — urban economic, North America, Native Americans
Daniel Trudeau, Ph.D., Colorado, 2006, Associate Professor — urban social, political, cultural

MINNESOTA STATE UNIVERSITY, MANKATO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1953

GRADUATE PROGRAM FOUNDED: 1953

DEGREES OFFERED: Geography B.A., B.S., M.S.; Earth Science B.A., B.S., B.S.Ed.; Geographic Information Science Certificate (Undergraduate and Graduate)

GRANTED: 9/1/12-8/31/13: 41 Bachelors, 5 Masters

STUDENTS IN RESIDENCE: 99 Majors, 22 Masters

NOT IN RESIDENCE: 10 Masters

CHAIR: Donald A. Friend

DEPARTMENT OFFICE MANAGER: Carol Reedstrom

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, Minnesota State University, Mankato, 206 Morris Hall, Mankato, Minnesota 56001. Telephone (507) 389-2617. Fax (507) 389-2980. E-mail: carol.reedstrom@mnsu.edu
Internet: <http://sbs.mnsu.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES: Traditional and professionally oriented graduate and undergraduate programs are offered. Faculty expertise in GIS; remote sensing; GPS; cartography; quantitative and field methods; natural resources; biogeography; geomorphology; economic, political, urban and historical geography; and earth and atmospheric sciences. Regional emphases include North America — especially the American West and South, Latin America, the Caribbean, Europe, East and South Asia. Also offered are interdisciplinary undergraduate degrees in Earth Science and the Geography core for Social Science both with options for secondary teacher licensure.

The Department has two state-of-the-science geospatial analysis and cartographic computer laboratories. The 28-seat lab (PC-based) includes: the full suite of ESRI Products, TransCAD, SPSS, ERDAS Imagine, IDRISI, Trimble Pathfinder, and others. The 15-seat lab (Mac-based) includes: the full suite of Adobe products, SPSS, GRASS-GIS and others. Both labs are networked at high speed to departmental servers with 30 terabytes of dedicated memory. The labs each have color laser and wax, large format color inkjet, and b/w laser printers. For field mapping applications and training, the department has over two-dozen DGPS units. The department also hosts a cutting edge weather and climate laboratory and is a repository for Minnesota topographic data in digital and paper formats.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: The academic year has two 16-week semesters; a bachelor's degree requires 120 credit hours. The geography major

requires a 14-hour core and 18 hours of electives that must include foreign regional, seminar and techniques courses. A foreign language is required for the B.A. A financial aid brochure is available. Generally, entering freshmen must be in the upper half of their high school graduating class, and must maintain a 2.0 grade point average; similar criteria apply to transfer students.

GRADUATE: Thesis-plan candidates must complete 30 semester hours of graduate work; alternate-plan (internship) candidates must complete 34 semester hours. All requirements of the Graduate College must be met. Several assistantships with tuition waiver are available on a competitive basis. A completed bachelor's degree, undergraduate GPA of 3.0, three letters of recommendation and a 500-word statement of intent are required for admission. Scores from the GRE are not required for admission but will be considered.

FACULTY:

Donald A. Friend, Ph.D., Arizona State, 1997, Professor — physical, geomorphology, mountain environments, conservation
Woo Jang, Ph.D., Georgia, 2012, Assistant Professor — transportation, spatial analysis & modeling, GIScience, GPS
Phillip Larson, Ph.D., Arizona State, 2013, Assistant Professor — fluvial geomorphology, physical
Jose Javier Lopez, Ph.D., Indiana State, 1998, Professor — economic and social, Latin America, quantitative methods
Cynthia A. Miller, Ph.D., Syracuse, 1991, Associate Professor — historical, cultural, North America, field studies
Martin D. Mitchell, Ph.D., Illinois, 1993, Professor — climatology, natural resources, cartography, the American West and Middle West
Rama Mohapatra, Ph.D., Wisconsin-Milwaukee, 2012, Assistant Professor — GIScience, remote sensing, urban, South Asia
Ginger Schmid, Ph.D., Texas State, 2004, Associate Professor — soils, geographic education, physical
Forrest D. Wilkerson, Ph.D., Texas State, 2004, Associate Professor — field methods, biogeography, geomorphology, American West, Minnesota
Fei Yuan, Ph.D., Minnesota, 2004, Professor — remote sensing, GIScience, East Asia

ADJUNCT FACULTY:

Richard Moore, M.S., Minnesota State, 2004, Instructor — GIScience, GPS

ST. CLOUD STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND PLANNING

DATE FOUNDED: 1961

DEGREES OFFERED: B.A., B.S., B.E.S. (Bachelor of Elective Studies), M.S., BS-LS/MS (Bachelor of Science Land Surveying/Mapping Science)

GRANTED 1/1/2013 to 1/1/2014: 90 Bachelors (various degree programs), 4 Masters

MAJORS: 225 declared majors in the various degree programs

CHAIR: David L. Wall

DEPARTMENT ADMINISTRATIVE ASST: Barbara Hartkopf

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. David L. Wall, Chair Department of Geography and Planning, St. Cloud State University, 720 Fourth Avenue South, St. Cloud, Minnesota 56301-4498. Telephone (320) 308-2095, email: dlwall@stcloudstate.edu or Graduate Program Director Dr. Mikhail Blinnikov, Telephone (320) 308-2263, email: msblinnikov@stcloudstate.edu. <http://www.stcloudstate.edu/gp/>

PROGRAMS AND RESEARCH FACILITIES: The Geography Program provides the student with an awareness that the earth's phenomena are spatially associated and often interdependent. Emphasis is placed upon the principles fundamental to a well-grounded education in academic geography and upon the associated skills required for the teaching of geography or for non-teaching professional employment. Important elements of geographic training include regional, topical, physical, and cultural studies as well as applied skills in cartography, geographic information systems, aerial photograph interpretation/remote sensing, and quantitative methods. Emphases within the Geography Major focus on human and cultural geography, physical systems, environmental geography, resource and regional planning, and geographic information science. The department also offers a separate GIS Minor, an M.S. in Geography-GIS, an MS in Geography-Tourism Development, a GIS Graduate Certificate, as well as a B.S. degree in Land Surveying/Mapping Sciences (accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>), a B.A. in Travel/Tourism, a B.A. in Planning and Community Development and a B.S. in Social Studies Teaching.

The SCSU Department of Geography GIS lab utilizes 30 PC workstations that are regularly upgraded. The Department's Land Surveying program provides access to survey and mapping grade GPS equipment. Software support includes all ESRI products (ArcGIS and extensions), ERDAS/IMAGINE, Poffice, Micro Survey, AutoCAD Civil 3D, StarNet, and other appropriate support software. The department has an extensive library of digital geospatial data that includes remotely sensed images, digital orthophotoquads, and census-related data.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. See the catalog for admission requirements and financial aid.

FACULTY:

Kevin M. Ahlgren: M.S., Ohio State University, 2011, Assistant Professor — surveying, GPS, GIS
Randal G. Baker, Ph.D., Oregon State University, 1993, Professor — travel/tourism, resources, recreation
Mikhail Blinnikov, Ph.D., University of Oregon, 1999, Professor — conservation, biogeography, GIS, Russia
Luis Estevez, Ph.D., Texas A&M University, 2012, Assistant Professor — urban planning, housing, international planning, land use planning.
Cynthia J. Fitzthum, M.A., University of Delaware, 2011, Instructor — Social Studies Education, Economics Education
Eric I. Fuller, M.S.E., Purdue University, 2007, Associate Professor — surveying
Gareth John, Ph.D., University of Kentucky, 2003, Associate Professor — cultural, historical, political, UK, Europe
Bel Kambach, M.Ed. Glion Hotel School, 2004, Assistant Professor — travel/tourism, ecotourism
Benjamin F. Richason III, Ph.D., Michigan State University, 1976, Professor — remote sensing, cartography, soils, GIS
Aspasia Rigopoulou-Melcher, Ph.D., University of Pittsburgh, 2000, Associate Professor — urban planning, economic development, environmental planning, housing, international development
Jeffrey S. Torguson, Ph.D., University of Georgia, 1993, Professor — cartography, GIS, Asia
Chukwunyere Ugochukwu, Ph.D., Jackson State University, 2004, Associate Professor — planning, urban design
David L. Wall, Ph.D., University of Iowa, 1990, Professor — economic, urban, Latin America
Kyle Ward, Ph.D., Indiana State University, 2007, Associate Professor — Social Studies Education
Hung-Chih (Alvin) Yu, Ph.D., Pennsylvania State University, 2008, Associate Professor — travel/tourism, planning

Emeritus Faculty:

Lewis G. Wixon, Ph.D., Indiana State University, 1978, Professor — climatology, physical, Europe

UNIVERSITY OF MINNESOTA DULUTH

**DEPARTMENT OF GEOGRAPHY, URBAN,
ENVIRONMENT & SUSTAINABILITY STUDIES**

DATE FOUNDED: 1912

DEGREES OFFERED: B.A. in Geography, B.A. in Geographic Information Science, B.A. in Environment & Sustainability Studies, B.A. in Urban and Regional Studies, Minors in Geography, Geographic Information Science, and Environment & Sustainability, and a Certificate in Geographic Information Science

GRANTED 9/1/12-8/31/13: 10 Bachelors in Geography; 5 Bachelors in Geographic Information Science (GIS); 27 Bachelors in Environment & Sustainability; 9 Bachelors in Urban and Regional Studies; 2 GIS Certificates

MAJORS: 30 Geography; 26 Geographic Information Science (GIS); 88 Environment & Sustainability; 13 Urban and Regional Studies

INTERIM DEPARTMENT HEAD: Tongxin Zhu

DEPARTMENT ADMINISTRATOR: Linda Klint

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, Urban, Environment & Sustainability Studies, University of Minnesota-Duluth, 329 Cina Hall, 1123 University Drive, Duluth, Minnesota, 55812.

Also visit UMD's home page at <http://www.d.umn.edu> and the geography urban, environment & sustainability studies department's home page at <http://www.d.umn.edu/geog/> Telephone (218) 726-6300 (departmental office) or (218) 726-7331 (department head). Fax (218) 726-6540 Email: umdgeog@d.umn.edu

PROGRAMS AND RESEARCH FACILITIES: The department offers majors and minors in Geography, Geographic Information Science, Environment & Sustainability, a major in Urban and Regional Studies, and a certificate program in Geographic Information Science. These programs provide professional and academic preparation for careers related to geography, GIS, environment & sustainability and urban and regional studies, as well as for graduate work in these areas, and for teaching in secondary schools. These programs offer a full range of regional and topical courses, including world regional geography; human geography; urban planning; physical geography; soils geography; water resources and hydrology; economic and development; weather & climate; global resources; urban ecology; environment & sustainability; food systems; conservation and planning; geographic information sciences including map design and graphic methods, animated and multimedia maps, geographic information systems, and remote sensing; field techniques; geographic thought; and opportunities for independent study courses of special interest to the student. Students in all programs have many opportunities for internships with public and private agencies in their respective fields of interest. The Geography, Urban, Environment & Sustainability Studies department administers the Center for Sustainable Community Development, the Center for Community and Regional Research, the Sustainable Agriculture Program, and contributes to the International Studies program. The Department of Geography, Urban, Environment & Sustainability Studies houses and maintains a Physical Geography and Soils Laboratory complete with equipment for highly detailed soil analysis. The geography department

also works in close relationship to the Geospatial Analysis Center (GAC), which is managed by a full-time GI Scientist with a full time research associate. This research/instructional facility is comprised of 15 cartographic/GIS/visualization workstations, scanners and a variety of color output platforms and an additional instructional facility is comprised of 25 cartographic/GIS/visualization workstations. In addition, the university maintains 9 large computing laboratories/classrooms, and a digital imaging lab, with Windows and Macintosh microcomputers, having direct access to all University of Minnesota computing systems.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: University of Minnesota Duluth with an enrollment of 11,000, is the second largest of the five campuses that comprise the University of Minnesota System. UMD is on the semester calendar system. Applications for admission to UMD and to the Geography, Geographic Information Science, Environment & Sustainability, or Urban and Regional Studies Programs may be obtained by visiting UMD's Web Site at <http://www.d.umn.edu/sss/admissions> or by writing the Admissions Office, 184 Darland Administration Building, UMD, Duluth, Minnesota, 55812. Prospective applicants should request information regarding financial aid along with the admissions request.

FULL AND PART-TIME FACULTY:

Ryan Bergstrom, Ph.D., Kansas State University, 2012, Assistant Professor — Physical, Soils, Weather and Climate, Environmental

Kate Carlson, M.S., University of Akron Ohio, 2002, Instructor — Cartography and Geographic Information Science

Troy Carlson, M.A., University of Colorado, 2004, Instructor — Geographic Information Science

Laure Charleaux, Ph.D., Joseph Fornier University, 2003, Assistant Professor — Cartography and Geographic Information Science, Europe, Mobility and Transportation

Nathan Clough, Ph.D., University of Minnesota, 2010, Assistant Professor — Cultural, political, urban, Economic, cultural diversity, development

Pat Farrell, Ph.D., University of Cincinnati, 1997, Associate Professor — Physical, Soils, Weather and Climate, Latin America

Andrea Grygo, M.S., University of Minnesota Duluth, 2009, Instructor — Geographic Information Science

Randel, Hanson, Ph.D., University of Minnesota, 1998, Assistant Professor — Food Systems, Environmental, Climate, Economic

Susan Hartley, M.S., University of Washington, Instructor — Environmental geography, physical geography, astronomy, human geography

Olaf Kuhlke, Ph.D., Kent State University, 2001, Associate Professor and Associate Dean of College of Liberal Arts, Director of the Center for Community and Regional Research — Cultural, youth culture, nationalism, political, ecology, urban environments, religion

Mike Mageau, Ph.D., University of Maryland Institute for Ecological Economics, 1998, Assistant Professor and Director of the Environmental Studies Program — Environmental Science, systems ecology, ecological economics, energy

Adam Pine, Ph.D., Rutgers University, 2007, Assistant Professor and Coordinator of the Urban and Regional Studies Program — Urban Geography, Urban Planning

Tongxin Zhu, Ph.D., University of Toronto, 1998, Associate Professor — Physical, hydrology, fluvial geomorphology, environmental applications of

GAC STAFF:

Stacy Stark, M.S., Colorado State University, 1997, Analyst, Geospatial Analysis Center (GAC) — Water resources, geographic information science, design of spatial models

Steve Graham, Ph.D., University of Texas at Austin, 2000, Research Associate, Geospatial Analysis Center (GAC)

EMERITI FACULTY:

Gordon L. Levine, Ph.D., University of Michigan, 1977 — Economic, transportation, East and Southeast Asia, Minnesota, field techniques

UNIVERSITY OF MINNESOTA, TWIN CITIES

DEPARTMENT OF GEOGRAPHY, ENVIRONMENT AND SOCIETY

DATE FOUNDED: 1925

GRADUATE PROGRAM FOUNDED: 1930s

DEGREES OFFERED: B.A. (BSE); B.A., B.S. (Geog.); B.A., B.S. (Urban Studies); M.GIS; M.A., Ph.D. (Geog).

GRANTED 7/1/12-6/30/13: 197 B.A./B.S., 3 M.A., 10 M.GIS, 8 Ph.D.

STUDENTS IN RESIDENCE: 750 B.A./B.S.; 13 M.A.; 38 M.GIS; 48 Ph.D.

NOT IN RESIDENCE: 5

CHAIR: ABDI SAMATAR

DEPARTMENT ADMINISTRATOR: Glen L. Powell

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Sara Braun, DGS Assistant, Department of Geography, Environment and Society, University of Minnesota, 267 19th Avenue South, Minneapolis, MN 55455. Email: braun217@umn.edu Telephone (612) 625-0864. Fax (612) 624-1044. World Wide Web: <http://www.geog.umn.edu/>.

PROGRAMS AND RESEARCH FACILITIES: Minnesota's graduate and professional programs in Geography and Geographic Information Science prepare students for careers in academia, industry, government, and not-for-profit sectors. Our top-ranked department provides a setting for graduate study or professional training in one of the nation's outstanding public land-grant research universities, located at the heart of one of America's most attractive and vital metropolitan areas.

We provide up-to-date computing, cartography/GIS, and physical geography laboratories, support for tree-ring analysis, soil characterization, and paleoenvironmental reconstruction, and one of the nation's finest libraries supporting all graduate, professional and undergraduate research and training programs. Students work with leading hardware and software used in contemporary research, teaching, and commercial applications.

The M.A. program meets needs of the early- and mid-career students pursuing post-graduate studies in any area of human or physical geography, foreign-area study, international development, or geographic information science. Student programs are individually designed, with emphases that vary from the general liberal arts, environmental science, and skill-based professional preparation, to preparatory work for the Ph.D.

The M.GIS program provides graduate-level work in the theory, applications, and technology of geographic information science. Courses for the program are divided into three broad categories. Core courses provide the conceptual and theoretical underpinnings for a comprehensive, well-rounded knowledge of GIS, including an introductory seminar for entering students. A set of technology courses focus on specific software and techniques in GIS. Elective courses provide additional breadth to the program by allowing students to take courses related to their area of interest.

Ph.D. students work closely with their chosen advisers in designing individualized programs that meet their interests, needs and

employment opportunities. Most doctoral students design interdisciplinary programs that take advantage of Minnesota's expertise in cognate areas as represented by the Interdisciplinary Center for the Study of Global Change, the Institute on the Environment, the Institute for Advanced Study, and within the Hubert H. Humphrey Institute of Public Affairs, School of Public Health, College of Natural Resources, College of Agricultural, Food and Environmental Sciences, as well as other top-ranked social science departments in the College of Liberal Arts.

Faculty and students collaborate in research and publication. We believe our research programs should be useful to society domestically and internationally. Various departmental institutions foster community and intellectual exchange—weekly coffee hours, informal bi-weekly reading groups, visiting scholar brown-bags, and the annual Ralph H. Brown lecture and awards banquet.

Areas of faculty and graduate student research interest and expertise include: *Biogeography*: forest dynamics; grassland dynamics; environmental stability and change; human disturbance; agroclimatology; climate-biosphere interactions; *Cartography*: symbolization; scale problems and generalization; multimedia cartography; cartographic design; digital cartographic production; spatial visualization; history of cartography; *Geographic Information Science*: spatial data handling methods; exploratory spatial data analysis; design of data systems; GIS and society; *Climatology*: climate variability; climate modeling; temperature and precipitation climatology; wind climatology; paleoclimates; climate change; *Cultural Studies of the Environment*: society-environment relations; cultural and urban landscape analysis/ interpretation; cultural memory and place; political ecology; qualitative methods of geographic research; *Cultural Geography*: new cultural geography; landscape and memory; politics of place and identity; cultures of nationalisms; race, ethnicity and sexuality; postcoloniality; migration and transnational cultures; *Economic Development*: regional inequalities; local development initiatives; problems of development in Africa, Asia and Latin America; *Feminist Geography*: social theory; planning history and urban theory; gender, sexuality and the city; feminist methods; *Geographic Education*: cognitive development and geographical learning; environmental education; *Geography of the Developing World*: development geography, political geography and agrarian change; *Historical Geography and Regional Analysis*: public land policy; Scandinavia; Europe; Russia and environs; the European Union; Latin America; the Islamic world; U.S. and Canada; *Land Use and Environmental Planning*: environmental risk assessment; environment quality; geographic research in city and regional planning; *Physical Geography*: paleoenvironments; water resources; environmental change; population geography; processes and impacts of international migrations; *Regional Economic Development*: political economy; development theory and the state; *Society-Environment Relations*: cultural studies of the environment; political ecology; environmental justice; science studies; *Geographical Thought and Practice*: social and cultural theory; society and space; history and philosophy of geography; feminist theory; *U.S. and Canadian Studies*: rural geography; historical geography of North America; minority settlements in America; American metropolitan evolution; *Urban Geography*: New Urbanism; public urban landscapes; culture of cities; transportation and land use; real estate; American cities; urban and regional economic analysis; feminist perspectives on the city.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Admission—Requirements are those of the College of Liberal Arts. Prospective students should consult the *Bulletin* of the College for details.

Degree Requirements: The department offers both B.A. and B.S. degrees in geography and in urban studies. Programs may be structured within a variety of teaching/research areas of the

department or may be designed individually in consultation with a faculty adviser. Students complete a senior project.

Graduate: Admission (M.A./Ph.D.) — Based on a combination of undergraduate and, if appropriate, graduate grade point averages; scores (for graduates of U.S. institutions) on the Graduate Record Examination that are less than five years old; statement of purpose; and three letters of evaluation. No single criterion dominates but the combination must demonstrate potential for success in a highly individualized graduate program. Applications from students lacking an undergraduate major in geography are welcome but such students may be asked to make up deficiencies. Application deadline is December 15; all applications are evaluated once each year in early January.

Admission (MGIS) — Requires a Bachelors degree with a preferred cumulative grade point average of 3.0. Additional requirements include completion of one college-level course in mathematics, statistics, and computer programming. The GRE is not required. For international applicants, an English Language Proficiency Exam such as TOEFL, IELTS, or MELAB is required.. Applicants should understand that the admissions process is competitive, based on a careful assessment of each applicant's file, and that we can only offer admission to a limited number of qualified applicants to ensure high quality advising and accessibility to facilities and other resources. All application materials are submitted online and must be submitted by January 30 for Fall admission; September 1 for Spring semester admission.

M.A. Degree Requirements: The department offers two plans for the M.A. degree. Plan A *thesis option* [20 credit hours + 10 thesis credits; minimum 14 credit hours within department and 6 credit hours outside department] includes work in supporting fields or a minor, plus a thesis. Plan B *papers option* [30 credit hours; minimum 14 credit hours within department and 6 credit hours outside department] includes work in a supporting field or a minor, plus three masters papers. Those students intending to continue on to the PhD are encouraged to complete the Plan B option which allows them to further develop the three master's papers into the comprehensive papers required for the PhD in a more timely manner.

MGIS Degree Requirements: This degree is offered Plan C (coursework only) and requires 35 credits of course work.. For more details on MGIS degree requirements, visit: <http://mgis.umn.edu/about/requirements.html>.

Ph.D. Degree Requirements: The Ph.D. is awarded for successful completion of three comprehensive papers, a preliminary oral examination, and the completion and defense of a dissertation. Complete requirements are as follows: 1) Coursework -52 credit hours: 16 credit hours in department + 12 credit hours outside department + 24 thesis credits; 2) Completion of 8001 [Problems in Geographic Thought] + 8405 [Professional Development Seminar] + two additional GEOG 8xxx (graduate level) courses. Students must include at least one methods course in their graduate degree plan. Additionally, they must include at least one proposal-writing course in their graduate degree plan. The methods and proposal-writing requirements may be fulfilled by courses outside the department; 3) Preparation of a research dossier; 4) Preliminary exams (taken in Spring of 3rd year [semester 6]; earlier where appropriate for students entering with MA/MS; 5) Examination of dissertation proposal (within 3 months of completing preliminary exams); 6) Defense of dissertation.

The foreign language/methodology requirements are similar to those for the M.A. Degree Programs and are individually designed in consultation with a faculty adviser.

Financial Aid: The University of Minnesota operates on a semester system. All admitted students (unless otherwise noted in their acceptance letter) will be supported through a combination of fellowships, teaching assistantships and/or research assistantships as follows: 5 years if entering with a BA; 4 years if entering with an MA. All options usually provide a stipend, tuition waiver, and health

insurance. Summer support for field work is typically awarded to all incoming graduate students, and is available, on a competitive basis, to all students after their first year.

HUMAN RIGHTS STATEMENT: The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

FACULTY:

- Nikhil Anand, Ph.D., Stanford University, 2011, Assistant Professor* — urban studies, political ecology, cities and citizenship, water, infrastructure
- Bruce P. Braun, Ph.D., University of British Columbia, 1996, Professor* — society-environment relations, political ecology, social and cultural theory, cultural studies of the environment
- Kate Derickson, Ph.D., The Pennsylvania State University, 2011, Assistant Professor* — Urban political economy, race and racialization, feminist and critical epistemology, engaged scholarship, land use and environmental politics, social and political theory
- Vinay K. Gidwani, Ph.D. UC-Berkeley, 1997, Associate Professor* — development economics; agrarian/environmental studies
- Daniel Griffin, Ph.D. University of Arizona, 2013, Assistant Professor* — climate science; environmental change; water resource issues; dendrochronology
- John Fraser Hart, Ph.D., Northwestern, 1950, Professor* — rural, U.S. and Canada, geographic writing
- Francis Harvey, Ph.D., Washington, 1996, Associate Professor* — geographic information science, social construction of information technology, science and technology studies, GIS, analytical cartography, experiential learning, ethical issues, cyberspace, instructional technologies
- George Henderson, Ph.D., UC-Berkeley, 1992, Professor* — Marxism; post-capitalist politics; value theory of labor; Marxist cultural critique
- Brenda Kayzar, Ph.D., San Diego State University & University of California Santa Barbara, 2006, Assistant Professor* — Urban and Cultural Geography, North American cities, Downtown revitalization, Arts and culture, Urban/Environment relations, Landscape and lifestyle commodification, Housing provision
- Kurt F. Kipfmüller, Ph.D., University of Arizona, 2003, Associate Professor* — Biogeography, paleoclimatology, forest dynamics, dendrochronology
- Katherine Klink, Ph.D., Delaware, 1992, Associate Professor* — physical climatology, climate-biosphere interactions, climate modeling, quantitative methods
- Mark B. Lindberg, Ph.D., Kansas, 1987, Senior Cartographer, Adjunct Associate Professor, co-director of MGIS Program* — geographic information systems, digital cartographic production, cartographic design
- Steven M. Manson, Ph.D., Clark, 2002, Associate Professor* — nature-society relationships; land use-land cover change; human dimensions of global change; biocomplexity; socioeconomic vulnerability; Latin America
- Robert B. McMaster, Ph.D., Kansas, 1983, Professor* — geographic information science/systems, cartographic design and visualization, quantitative methods and spatial analysis, environmental risk assessment and justice, geographic information science and society
- Lorena Muñoz, Ph.D., University of Southern California, 2008, Assistant Professor* — Urban/cultural geography
- Arun Saldanha, Ph.D., Open University (UK), 2004, Associate Professor* — race relations, geography of music, geography of tourism, poststructuralist philosophy, feminism, anthropology
- Abdi I. Samatar, Ph.D., UC-Berkeley, 1985, Professor* — development geography, political economy and agrarian change, development theory and the State, Africa

Roderick H. Squires, Ph.D., Durham, 1970, Associate Professor — environment quality, public land policy, real estate, evolution of landscapes, political ecology of Minnesota

Scott St. George, Ph.D., University of Arizona, 2007, Assistant Professor — paleoclimatology, climate dynamics, natural hazards, and climate impacts on renewable energy

ADJUNCT FACULTY:

- Valentine Cadieux, Ph.D., University of Toronto, Research Associate* — Cultural geography of land use change and the politics of planning processes at the urban-rural interface; alternative agri-food movements; the concepts of place, landscape, and nature.
- Susan L. Craddock, Ph.D., UC-Berkeley, Associate Professor, Women's Studies* — social geography and political ecology of health; women's health in historical and geographical perspective; U.S., India
- William Craig, Ph.D., Minnesota, 1980, Associate Director, Center for Urban and Regional Affairs, co-director of MGIS Program* — geographic information systems, public policy analysis
- Jeff Crump, Ph.D., University of Nebraska-Lincoln, 1989, Associate Professor, Housing Studies* — housing and patterns of urban development
- Jonathan Foley, Ph.D., University Of Wisconsin –Madison, 1993, Director, Institute on the Environment* — interactions between humans and global environment systems; land use and agricultural practices and their effects on ecosystems; interactions among climate, ecosystems and freshwater systems; applications of modeling and remote sensing techniques to global sustainability issues
- Timothy J. Griffis, Ph.D., McMaster University, 2000, Professor, Soil, Water and Climate* — boundary layer climatology, biometeorology, land-atmosphere interactions
- Lawrence M. Knopp, Jr., Ph.D., Iowa, 1989, Director, Interdisciplinary Arts & Sciences, University of Washington Tacoma* — urban, political, gender, sexuality, social theory
- William G. Moseley, Ph.D., University of Georgia, Athens, 2001, Professor Macalester College* — Political ecology, tropical agriculture, food security, environment and development, West and Southern Africa
- Ann R. Markusen, Ph.D., Michigan State, 1974, Professor, Planning and Public Affairs, Humphrey Institute of Public Affairs* — urban and regional economic development, urban and regional planning
- Richa Nagar, Ph.D., Minnesota, 1995, Professor, Women's Studies* — development studies, gender studies, South Asia, East Africa, geographic perspectives on women, socialist geography
- Hari Osofsky, J.D., Yale, 1998, Associate Professor and 2011 Lampert Fesler Research Fellow, University of Minnesota Law School* — Climate change, clean energy, environmental justice, law and geography

EMERITUS FACULTY:

- John S. Adams, Ph.D., Minnesota, 1966, Professor Emeritus* — American cities, regional economic analysis, housing, transportation, Russia and environs
- Dwight A. Brown, Ph.D., Kansas, 1968, Professor Emeritus* — physical, paleoenvironments, water resources, geographic information systems, biogeography
- Philip J. Gersmehl, Ph.D., Georgia, 1970, Professor Emeritus; Adjunct Professor, American Studies* — environmental, education, North America, multi-media cartography, geographic information systems
- Helga Leitner, Ph.D., Vienna, 1978, Professor Emerita; Professor, Department of Geography, UCLA* — urban, political, international migrations, social theory, GIS & society, Europe, European Union
- Philip W. Porter, Ph.D., London, 1957, Professor Emeritus; Adjunct Professor, Department of Afro-American and African Studies* — Africa, tropical agroclimatology, development, cartography

Joseph E. Schwartzberg, Ph.D., Wisconsin, 1960, Professor Emeritus — South Asia, political, historical cartography, history of cartography

Earl P. Scott, Ph.D., Michigan, 1974, Professor Emeritus; Adjunct Professor, Department of Afro-American and African Studies — human/landscape geography, economic development from the perspective of small-scale enterprises, Africa, minority settlements in America with emphasis on the African Diaspora

Eric Sheppard, Ph.D., Toronto, 1977, Professor Emeritus; Humboldt Chair and Professor of Geography, Department of Geography, UCLA — economic geography, political economy, quantitative methods, philosophical foundations of geography, economic development, environmental justice, GIS & society, local development initiatives

Richard H. Skaggs, Ph.D., Kansas, 1967, Professor Emeritus; Adjunct Professor, Department of Soil, Water, and Climate — climatology, physical, long-term temperature trends, impacts of climate variability

Connie H. Weil, Ph.D., Columbia, 1980, Associate Professor Emeritus — medical, Latin America, geographic education

MGIS FACULTY:

For a listing of MGIS faculty, see:
<http://mgis.umn.edu/people/faculty.php>.

MISSISSIPPI

UNIVERSITY OF SOUTHERN MISSISSIPPI

DEPARTMENT OF GEOGRAPHY AND GEOLOGY
DATE FOUNDED: 1912

GRADUATE PROGRAM FOUNDED: 1966

DEGREES OFFERED: B.S. (emphasis areas in GIT and sustainable development); M.S.; and Ph.D. in Geography; Certificate in Geographic Information Technology

DEGREES GRANTED 1/1/13 – 12/31/13: 29 Bachelor's, 11 Master's, 1 Ph.D.

STUDENTS: 111 Majors, 28 Master's, 4 Doctorates

CHAIR: Carl "Andy" Reese

DEPARTMENT ADMINISTRATIVE ASST: Jennifer Henry

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Geology, 118 College Drive # 5051, The University of Southern Mississippi, Hattiesburg, Mississippi 39406-0001. Telephone (601) 266-4729. Fax (601) 266-6219. Visit us on the Web at www.usm.edu/geography-geology or by email at Jennifer.K.Henry@usm.edu

PROGRAMS AND RESEARCH FACILITIES:

DEGREE PROGRAMS: The Geography program at The University of Southern Mississippi offers the only baccalaureate, masters and Ph.D. degrees in geography in the state of Mississippi. The program provides the opportunity to emphasize cultural geography, geospatial techniques/analysis, regional studies and international development, land-use and land-cover change, nature-society relationships, physical geography (especially biogeography, geomorphology and climate change), coastal studies, environmental analysis/resource management/conservation, hazards (especially hurricanes) and the geography of the South.

The bachelor's program provides the full range of geographical instruction appropriate to a globally literate education. The master's program accents breadth of geography, as well as concentrated education and training in cultural systems, geospatial techniques, remote sensing, physical geography, area studies, natural hazards and field research in Latin America. The department also offers an M.S. in geospatial applications at Stennis Space Center. The University of Southern Mississippi and geography offer strong academic and research support for Gulf South and lowland South studies. The doctoral program is tailored to a wide range of interests compatible with faculty strengths and research. The department also offers a certificate in Geographic Information Technology.

All concentrations emphasize fieldwork, the application of technical skills, and the development of research capability in a particular concentration of geography. Programs are well-balanced by staff specialties in a variety of systematic and regional areas. The faculty has a strong focus upon international research/field programs in Jamaica, Cuba, Great Britain, France, Bolivia, Yucatan, Mexico and Central America. The department is home to the Latin American Research Group (LARGo).

AFFILIATIONS: Resources and facilities at Southern Miss are ample and varied. Although the department is housed on the main campus in Hattiesburg, we also offer baccalaureate degrees in geography on the Gulf Park campus and a master's degree at Stennis Space Center. The department also maintains teaching and research facilities at the University's Gulf Coast Geospatial Center at NASA's Stennis Space Center, located just south of Hattiesburg and a research association with the U.S. Army Corps of Engineers Waterways Experiment Station in Vicksburg. The department houses a GIS/RS lab and is actively involved in the Enterprise for Innovative Geospatial Science (EIGS) and is home to the Southern Miss Center for Geospatial Studies. Geography maintains a strong alliance with the University's departments of Coastal Sciences, Biology, Anthropology, History, Marine Science and Economic Development. The department works closely with The Nature Conservancy's Caribbean Basin Program for GIS development and data management.

FACILITIES: Geography maintains space in Walker Science Building situated on the main campus in Hattiesburg. The department supports state-of-the-art GIT and mapping labs, a palynology/biogeography lab, a geomorphology lab, a sedimentology lab, a groundwater hydrology lab, the Dendron tree ring lab and a 3-D visualization cave at Stennis. The department also maintains a collection of digital imagery, a superb map collection, and the University's library houses an atlas collection and maintains an impressive collection of geographical publications and journals.

ACADEMIC PLAN, ADMISSION REQUIREMENTS AND FINANCIAL AID:

UNDERGRADUATE: Candidates must be accepted by University Admissions. Degree requirements are 124 hours including 36 hours in geography. The certificate in Geographic Information Technology (GIT) is 16 hours. The department periodically offers online GIS and mapping courses. The University of Southern Mississippi is on the semester system.

GRADUATE: Candidates must be accepted by the University's Graduate School. Admission to the departmental graduate programs is based on GPA, GRE scores, letters of recommendation, the experience record of the student, and compatibility of interests with those of the faculty. Departmental graduate assistantships are for nine months and include health benefits and a waiver of all tuition fees. University grants-in-aid, several internships (NASA, NOAA, DEVELOP, CHL) and fellowships are also available. Center for Higher Learning (CHL) Geospatial research assistantships are a cooperative agreement with the University's Stennis research site. See updates on the Department's Web page (www.usm.edu/geography-geology). Graduate Coordinator - Joby Bass joby@usm.edu.

FACULTY:

Jerry O. 'Joby' Bass, Ph.D., Texas, 2003, Associate Professor — cultural, historical, U.S. South, repeat photography and Middle America

Greg Carter, Ph.D., (Botany), Wyoming, 1985, Associate Professor — remote sensing, barrier islands, vegetation and coastal systems, environmental change

David M. Cochran, Ph.D., Kansas, 2005, Associate Professor — cultural ecology, tropical agriculture, conservation management, hurricanes and Central America

Jerry Coleman, M.S., Southern Mississippi, 1998, Instructor — regional geography, anthropogeography, U.S. Southwest

Clifton 'Skeeter' Dixon, Ph.D., Texas A&M, 1988, Associate Professor — cultural, frontier settlement studies and land use, coastal ethnogeography, hurricanes, Mexico and Central America

Grant Harley, Ph.D., Tennessee, 2012, Assistant Professor — dendrochronology, biogeography, climate change

Frank Heimuller, Ph.D., Texas, 2009, Assistant Professor — fluvial and coastal geomorphology, sedimentology, Gulf South coastal plain

David H. Holt, Ph.D., Arkansas, 2002, Associate Professor — dendrochronology, climatology, GIS, environmental change, Europe

Bandana Kar, Ph.D., South Carolina, 2008, Assistant Professor — Geographical Information Systems, hazards, society and environment interactions

Mark M. Miller, Ph.D., Arizona, 1988, Professor — regional development, tourism, digital video, ethnogeography and Caribbean

George T. Raber, Ph.D., South Carolina, 2004, Associate Professor — Geographic Information Systems, physical and environmental remote sensing, hurricane impacts and land use/land cover change

Carl 'Andy' Reese, Ph.D., Louisiana State, 2003, Professor and Interim Chair — biogeography, palynology, environmental change, coastal geography and geomorphology

EMERITI FACULTY:

Jesse O. McKee, Ph.D., Michigan State, 1972, Distinguished Professor Emeritus of Geography

Kenneth J. Pantton, Ph.D., Kings College, University of London, 1982, Professor Emeritus of Geography

Robert W. Wales, Ph.D., Kansas, 1973, Professor Emeritus of Geography

MISSOURI

MISSOURI WESTERN STATE UNIVERSITY

DEPARTMENT OF HISTORY AND GEOGRAPHY

DATE FOUNDED: 1978

DEGREES OFFERED: undergraduate minor in

Geography

GRANTED 9/2012 to 8/2014: 4 undergraduate minors

STUDENTS IN RESIDENCE: 9 undergraduate minors

CHAIR: Steven Greiert

DEPARTMENT ADMINISTRATIVE ASSISTANT: Noël Cross

FOR FURTHER INFORMATION CONTACT: Dr. Dawn M. Drake, Department of History and Geography Missouri Western State University 115 Popplewell Hall 4525 Downs Dr. Saint Joseph, MO

64507. Telephone 816-271-4161. Fax 816-271-5680. Email ddrake4@missouriwestern.edu. Internet: <https://www.missouriwestern.edu/hg/>

PROGRAMS AND RESEARCH FACILITIES: MWSU offers introductory courses in world and physical geography. Additionally, upper level courses are offered in geography of the US & Canada, introduction to GIS, geography of Europe, economic geography, and sustainable energy. An introductory GPS class is offered through the Western Institute. An undergraduate minor is offered in geography through the University. The University has a site license with ESRI allowing students in several modern computer labs access to the most recent version of ArcINFO. Lab equipment includes Garmin GPSMAP 78 handhelds, Garmin eTrex 20 handhelds, and a large format printer. Students enrolled in geography courses have numerous opportunities for independent research and collaborative research with other departments across campus. Students have presented research at the Missouri Academy of Science and the Annual Meeting of the Great Plains and Rocky Mountain Division of the Association of American Geographers. Students are routinely encouraged to present research at MWSU's semi-annual Multidisciplinary Research Day.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University uses a semester system. Students may enroll full or part time and courses are available both on campus and, in some instances, online. For further information on admissions requirements, contact the Office of Admissions Missouri Western State University Eder Hall 101 4525 Downs Dr. Saint Joseph, MO 64507 (<https://www.missouriwestern.edu/admissions/>). Financial aid is available. Further information can be obtained from the Office of Financial Aid Missouri Western State University 103 Eder Hall 4525 Downs Dr. Saint Joseph, MO 64507 (<https://www.missouriwestern.edu/finaid/>)

GEOGRAPHY FACULTY:

Dawn M. Drake, Ph.D., University of Tennessee, 2011, Assistant Professor of Geography — agricultural and rural geography, economic geography, North America, GIS

UNIVERSITY OF MISSOURI, COLUMBIA

DEPARTMENT OF GEOGRAPHY AND GEOGRAPHIC RESOURCES CENTER

**DATE FOUNDED: 1950; GRADUATE PROGRAM
FOUNDED: 1950**

DEGREES OFFERED: B.A., M.A.

**GRANTED 8-21-13 through 5-31-14: 23 Bachelors, 5
Masters**

STUDENTS IN RESIDENCE: 72 Majors, 18 Masters

CHAIR: Michael Urban

**DEPARTMENT ADMINISTRATIVE ASSISTANT: Dina
Nichols**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, University of Missouri-Columbia, 8 Stewart Hall, Columbia, MO 65211-6170. Telephone (573) 882-8370. Fax (573) 884-4239. E-mail: geog@missouri.edu. Internet: www.geog.missouri.edu.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The B.A. degree in Geography requires 36 semester hours, including 21 hours of core courses with 15 additional hours in one of four emphasis areas and a secondary area in geography. The following four emphasis areas allow students to

further focus on the undergraduate degree program around their own personal interests in geography: human/regional/cultural geography, geographic information sciences, physical/environmental geography, and general geography. There are Certificate Programs in Geographic Information Science (GIS) and Geospatial Intelligence (GEOINT). Writing skills are emphasized, and dual degrees are common. A special honors program is available. The University maintains a strong undergraduate study abroad program.

GRADUATE: The M.A. degree offered by the department requires 32 hours of coursework, with varying amounts of research. Thesis and non-thesis options exist. Programs are tailored to fit the individual needs and interests of students, make liberal use of cognate fields, and commonly focus on a) Human Geography: cultural, population, historical, urban, and Indigenous geography, b) Nature/Society Relationships: interface of environment and humans, particularly the political, social, philosophical and economic implications of environmental change, c) Physical Geography: environmental processes and their modification by humans, particularly for biogeographic and geomorphic systems, and d) Applied Geosciences. The Geographic Resources Center functions as both a teaching and research facility, serving as an interdisciplinary center for computer graphics, remote sensing and GIS. Graduates of our program are very well prepared for Ph.D. work and for careers in GIScience, remote sensing, government and non-governmental organizations.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester system. A combination of the applicant's high school class rank and an ACT, SAT, or SCAT test score determines admission to the University as a freshman. Students become geography majors by filing an approved Geography Graduation Plan. Information on financial aid should be obtained from high school counselors or from the Student Financial Aid Office, 11 Jesse Hall, UMC, Columbia, MO 65211.

GRADUATE: Semester system. The Geography Department bases admission decisions in large part on the applicant's 1) record of scholarship as an undergraduate, 2) GRE scores, 3) letters of recommendation, 4) statement of purpose, and 5) compatibility of scholarly interests with those of the faculty. In general the minimum undergraduate GPA should exceed 3.0 (on a 4.0 scale), and combined verbal and quantitative GRE scores should meet or exceed 300. International students must submit TOEFL scores that demonstrate a strong command of the English language. Teaching and Research Assistantships are awarded to graduate students each academic year and include remission of tuition and fees. To be considered for either a teaching or research assistantship, university and departmental applications (including letters of reference) must be received by January 15. The M.A. program is intended to be a two-year program, concluding with the defense of the master's thesis or other professional research project.

FACULTY:

Grant P. Elliott, Ph.D., Minnesota, 2009, Assistant Professor — vegetation-climate interactions; ecotonal dynamics of upper treeline; dendroecology; disturbance ecology; climate change; dendroclimatology; mountain environments

Matthew Foulkes, Ph.D., Illinois, Urbana-Champaign, 2002, Associate Professor — demographics, migration and rural development

Joseph J. Hobbs, Ph.D., Texas-Austin, 1986, Professor, Middle East, — cultural ecology, environmental issues in developing countries, indigenous peoples, Vietnam programs

Douglas A. Hurt, Ph.D., Oklahoma, 2000, Assistant Teaching Professor — historical geography, tourism, sport and regional identity, geographic education, Missouri

Soren C. Larsen, Ph.D., Kansas, 2002, Associate Professor — politics of place, political ecology, sustainable development, indigenous peoples, territoriality, ethnography and qualitative methods

Timothy C. Matisziw, Ph.D., Ohio State University, 2005, assistant professor — network analysis and design; location modeling; environmental conservation; urban/regional planning and risk assessment; geographic information science; transportation geography; urban/regional planning

Mark H. Palmer, Ph.D., University of Oklahoma, 2006, Assistant Professor — indigenous geographies, geographic information systems, natural resources, North America, history of cartography, qualitative methods, place-based approach to earth systems science

Michael A. Urban, Ph.D., Illinois, Urbana-Champaign, 2000, Associate Professor Chair — fluvial geomorphology, anthropogenic landscape change, environmental ethics in environmental management, geographic thought

EMERITI FACULTY:

Gail S. Ludwig, D.A., Northern Colorado, 1977, Associate Professor — educational technology, remote sensing, map interpretation, geographic education, research methods

William Noble, Ph.D., Louisiana State University, 1968, Associate Professor — Asia, settlement geography, physical geography, indigenous peoples

Christopher L. (Kit) Salter, Ph.D., University of California-Berkeley, 1970, Professor — Cultural geography, landscape analysis, China, geography education, field geography

Walter A. Schroeder, Ph.D., Missouri-Columbia, 2000, Associate Professor — physical, historical, Missouri

ADJUNCT FACULTY:

Larry Brown, Ph.D., Missouri-Columbia, 2003, Resident Instructor Assistant Professor — cultural geography, political geography, Middle America, geography of religion

C. Mark Cowell, Ph.D., Georgia, 1992, Associate Professor — biogeography, landscape ecology, historical vegetation studies, field geography

Curt H. Davis, Ph.D., University of Kansas, 1992 — radar systems, RF & microwave signal propagation, wireless communication systems, satellite and airborne remote sensing systems, satellite altimetry, high resolution earth image processing, ice sheet mapping and change detection, digital elevation models, urban mapping and feature extraction, and geospatial information processing

William R. Elliott, Ph.D., Texas Tech University, 1976 — Cave biologist for the Missouri Department of Conservation — Cave ecology, taxonomy and evolution, biogeography, caving techniques and safety, cave and karst management

Robert Jacobson, Ph.D. Johns Hopkins, 1985 — Geologic hazards, watershed processes, paleoseismology, geomorphology, and neotectonics

Clayton Blodgett, Ph.D., University of Kansas, 2004, Adjunct Assistant Professor — remote sensing, GIS, spatial statistics, environmental modeling

TECHNICAL STAFF:

Jason Hinsen, B.S., University of Missouri-Columbia, 2005, Research Specialist

Mark Duewell, Program Manager, Missouri Spatial Data Information Service (MSDIS) Missouri geospatial clearinghouse

Timothy Haithcoat, M.S., Missouri-Columbia, 1987, Director, Geographic Resources Center (GRC) and MSDIS; Deputy Director, Center for Geospatial Intelligence — Spatial data analysis, digital image processing, conflation, error mapping

James Harlan, M.A., Missouri-Columbia, 1996, Senior Research Specialist and Assistant Director, GRC — historical landscape ecology, spatial modeling, census and demographics, cartography

Bryan D. Mayhan, M.A. University of Missouri, 2000, Research Associate — GIS and spatial analysis, soil genesis and morphology, hydrology, geomorphology, urbanization.

Thomas Vought, ABD., Kansas State, 2011, Research Specialist —
Broadband mapping, human geography, cartography
Martin Wills, B.Sc. (Hons) Environmental Science, Manchester
Metropolitan University, UK, 1997, Internet Administrator —
website design and maintenance

MONTANA

UNIVERSITY OF MONTANA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1956

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., B.S., M.A., M.S.

GRANTED 9/1/12- 12-31-13: 26 Bachelors, 17 Masters

STUDENTS IN RESIDENCE: 76 Majors, 14 Masters

CHAIR: Christiane von Reichert

DEPARTMENTAL ADMINISTRATIVE ASSOCIATE:

Nancy J. Forman-Ebel

FOR FURTHER INFORMATION CONTACT THE: Department of Geography, The University of Montana, Stone Hall 208, Missoula, Montana 59812-0648. Telephone: (406) 243-4302. Fax: (406) 243-4840. E-mail: geog@umontana.edu. Internet: <http://cas.umt.edu/geography/>

PROGRAMS AND RESEARCH FACILITIES: The Bachelor of Arts program and the Bachelor of Sciences program are designed to provide students with an integrative, liberal-arts education. The programs are offered with or without an option. Areas of option include community and environmental planning (B.A.), and physical geography (B.S.). The department offers an Undergraduate Certificate in GIS Sciences and Technologies and houses an undergraduate Minor in Mountain Studies. The minor takes an interdisciplinary approach to the study of mountain geography and human-mountain relations, drawing on courses in geography, geosciences, biology, forestry, and recreation management. Students majoring in secondary education may elect geography as a major area of emphasis.

The Master of Arts program requires the completion of a minimum of 30 graduate credits, a thesis, and demonstrated competence in a symbolic language (a foreign language, mathematics, or computer science). It typically requires a commitment of two years. The Master of Sciences program allows one to pursue a degree in general geography, or a degree within one of two options: cartography and GIS, or community and environmental planning. Requirements for graduate credits and the thesis (e.g., thesis, professional paper, and non-thesis tracks) vary among the general degree and the options and generally require a commitment of two years. The symbolic language requirement must be met with a graduate level course in quantitative methods. Interdepartmental collaboration and research based upon field work are encouraged. Further information can be found at the department's website, <http://cas.umt.edu/geography/>.

Geography's Geospatial Research and Teaching (GReaT) Laboratories are comprised of a 24-seat teaching classroom and a 15-seat student-use lab. A comprehensive selection of GIS software is available, including ArcGIS, ENVI, Erdas, Idrisi, PCIGeomatica, TransCAD, Feature Analyst, LiDAR Analyst, Sketchup Pro, MapViewer, Surfer, Grapher, and Trimble products. Additional software includes SPSS, R, NVIVO, Adobe Creative Suite, Microsoft products, and more.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University of Montana operates on a semester system, with two sixteen-week semesters; a January

intersession; two five-week and one ten-week summer sessions; as well as specialized short-course sessions.

Prospective undergraduate students should consult *The University of Montana 2014-2015 Catalog* or contact Admissions and New Student Services at <http://admissions.umt.edu/>, for information regarding admission requirements.

Graduate applications must be accompanied by official transcripts, three letters of recommendation, official GRE or TOEFL scores, and a letter of intent, explaining why an applicant wishes to pursue a graduate degree in Geography and why in our department. Completed applications must be received by January 15th for Fall Semester Admission and TA consideration. Applications for admission may be considered after January 15 based on available capacity. To be considered for a teaching assistantship, applications to the graduate program are due no later than January 15 and should include a letter stating interest in and describing qualifications for a TAsip. Information regarding the graduate application procedure is available on The University of Montana's Graduate School website, <http://www.umt.edu/grad/>.

The Department of Geography has several graduate teaching assistantships that carry a stipend and remission of tuition. The department is also allotted several part-time positions for undergraduate students through the university's work-study program. Opportunities for employment related to faculty research or consulting projects are increasingly available. Information regarding other potential sources of financial assistance can be obtained from the Financial Aid Office, <http://life.umt.edu/finaid/>

FACULTY:

T.H. Diep Dao, Ph.D., North Carolina at Charlotte, 2013, Assistant Professor-Geographical Information Science (GIScience), spatial analysis and modeling, spatial data mining, geocomputation, GPS-based positioning and navigation
Rick Graetz, Doctorate of Honorary Letters, Montana, 2004, Lecturer — Montana, mountains, North America
Sarah J. Halvorson, Ph.D., Colorado, 2000, Professor — health, gender, water resources, mountain environments, hazards, qualitative methods, Asia, Africa
Ulrich Kamp, Dr. rer. nat. (Ph.D.), Technical University of Berlin, 1999, Associate Professor — high-mountain geography, quaternary, geomorphology, glaciology, environmental and climate change, natural hazards, river restoration, remote sensing, Middle East, South Asia, South America, Europe
Anna E. Klene, Ph.D., Delaware, 2005, Associate Professor — climate, cryosphere, global change, remote sensing and GIS, Arctic and mountain geomorphology
Kevin G. McManigal, M.S., Montana, 2011, Lecturer--cartography, GIS, remote sensing, mountain geography, glaciology
David D. Shively, Ph.D., Oregon State, 1999, Professor — community and environmental planning, water resources, air quality, geomorphology, North America
Christiane von Reichert, Ph.D., Idaho, 1992, Professor and Chair — migration, rural areas, economic geography, socio-demographic community analysis, transportation, geographically isolated regions and populations, Europe

EMERITUS FACULTY:

John M. Crowley, Ph.D., Minnesota, 1964, Professor Emeritus — mountains, biogeography, Rocky Mountains, Montana
Evan Denney, Ph.D., Washington, 1970, Professor Emeritus — land-use planning, economic, Pacific Northwest, China
John J. Donahue, Ph.D., Syracuse, 1971, Professor Emeritus — landforms, aerial-photograph interpretation, GIS
Jeffrey A. Gritzner, Ph.D., Chicago, 1986, Professor Emeritus — cultural, historical, political, agricultural, environmental change, environmental planning, Middle East and Central Asia, Africa, The American West

Darshan S. Kang, Ph.D., Nebraska-Lincoln, 1975, Professor Emeritus
— water resources, meteorology, field techniques, quantitative methods, South Asia

Paul B. Wilson, Ph.D., Nebraska-Lincoln, 1972, Professor Emeritus
— cartography and GIS, urban, North America

AFFILIATED FACULTY & ADJUNCT INSTRUCTORS:

Donald Alford, Ph.D., Colorado-Boulder, 1973

Heather Almquist, Ph.D., Lund (Sweden), 1994

Claudia Carr, Ph.D., Chicago, 1977

Faith Ann Heinsch, Ph.D., Texas A&M, 2002

Zachary A. Holden, Ph.D. Idaho, 2008

Sidney Rankin Holmes, M.A., Montana, 2007

Ia Iashvili, Ph.D., Tbilisi State University, Republic of Georgia, 1998

Rachel Loehman, Ph.D., Montana, 2006

Philip Maechling, M.L.A., Pennsylvania, 1975

Irena Mrak, Ph.D., University of Ljubljana, Slovenia, 2009

Caleb Pan, M.S., Montana, 2013

J. Alex Philp, Ph.D., Montana, 2005

James T. Sylvester, M.A., Montana, 1990

Thomas Sullivan, Ph.D., Louisiana State, 2009

Tamara Wall, Ph.D., Montana, 2007

a collection of historic air photos covering Nebraska and has an active Gamma Theta Upsilon chapter.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system, including four, five, and eight week summer terms. Additional information on admission and financial aid can be obtained by writing the Office of Admissions, University of Nebraska-Kearney, Kearney, Nebraska 68849 or consulting the University web site at <http://www.unk.edu/index.php>.

FACULTY:

John Bauer, Ph.D., Kansas 2006, Associate Professor — cultural, North America, cartography, GIS

Vijendra Boken, Ph.D., University of Manitoba 1999, Associate Professor — remote sensing, agriculture, water resources

Paul Burger, Ed.D., Oklahoma State University 1997, Professor — GIS, economic, population, political

H. Jason Combs, Ph.D., University of Nebraska 2000, Associate Professor and Chair — cultural, human, urban

Jeremy Dillon, Ph.D., University of Kansas 2002, Associate Professor — soils, geomorphology

Nathan Eidem, Ph.D., Oregon State University 2011, Lecturer — GIS, environmental

Matthew Engel, Ph.D., University of Nebraska 2007, Lecturer — human, cultural, world regional

NEBRASKA

UNIVERSITY OF NEBRASKA-KEARNEY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1960

DEGREES OFFERED: B.A., B.S., B.A. Ed., B.S. Ed.

GRANTED 9/1/2013 — 5/15/14: 7 Bachelors

MAJORS: 28

CHAIR: Jason Combs

DEPARTMENT ADMINISTRATIVE ASST: Valerie Vierk

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Jason Combs, Department of Geography, University of Nebraska-Kearney, 203 Copeland Hall, Kearney, Nebraska 68849. Telephone (308) 865-8355. E-mail: combsjh@unk.edu. Internet: <http://www.unk.edu/academics/geography/index.php>.

PROGRAMS AND RESEARCH FACILITIES:

The department provides a well-rounded undergraduate major and minor in geography, including a B.S. degree emphasizing GIScience and an interdisciplinary Environmental Science minor. A teaching subject endorsement in geography is also available for students seeking education degrees. Department curriculum aims toward a broad yet integrated perspective on the discipline. The University of Nebraska-Kearney emphasizes undergraduate research and geography students have numerous opportunities for independent projects and to work closely with faculty on research initiatives. The department is located on the second floor of Copeland Hall. GIScience facilities include a ten-PC instructional lab equipped with adequate server storage, large-format scanner, ArcGIS, Erdas Imagine, Adobe Illustrator, SPSS, and Microsoft Office software. Additional PCs are available to support student and faculty research. Other equipment includes mapping-grade GPS units, a commercial-grade Gidding's probe with dedicated truck, spectra radiometer, soil moisture probe, evapotranspiration gage, water quality monitoring system, and portable and permanent weather stations. The department also houses

UNIVERSITY OF NEBRASKA-LINCOLN

FACULTY OF GEOGRAPHY AND GISCIENCE

DATE FOUNDED: 1906

GRADUATE PROGRAM FOUNDED: 1906

DEGREES OFFERED: BA, BS, MA, PhD

DEGREES GRANTED 2012-2013: 14 Bachelors, 6 Masters, 3 PhD

STUDENTS IN RESIDENCE: 27 Majors, 9 Masters, 8 PhD

NOT IN RESIDENCE: 6 MA, 4 PhD

DEPARTMENT CHAIR: Paul Hanson

GRADUATE CHAIR: James Merchant

FOR INFORMATION CONTACT: Faculty of Geography and GIScience, School of Natural Resources, University of Nebraska-Lincoln, 3310 Holdrege St., Lincoln, NE 68583-0973. Telephone: (402) 472-2865. Fax: (402) 472-2946 E-mail: geography@unl.edu. Internet: <http://snr.unl.edu/geographygis/>

PROGRAMS AND RESEARCH FACILITIES:

Undergraduate: Students can earn either a Bachelor of Arts or Bachelor of Science in Geography. The undergraduate program provides a broad liberal arts education in physical, human and regional geography combined with courses in Geographic Information Science (remote sensing, GIS and cartography), research skills and quantitative methods. The program prepares students for positions in government and industry, and also for graduate work in geography or related fields.

Graduate: Graduate students can pursue either an MA or PhD in Geography. Students have considerable flexibility in designing programs tailored to their individual interests and career goals. Particularly strong programs exist in: (1) *Geographic Information Science* (remote sensing, GIS and cartography), capitalizing on the strengths and facilities of the Center for Advanced Land Management Information Technologies (CALMIT); (2) *Historical and Human Geography*. Continuing a long tradition of research in cultural and regional geography, students and faculty foci include historical

settlement, land use change, environmental perception, Native American studies, Great Plains studies, population and settlement patterns and political behavior; (3) *Natural Resources*. Students can pursue interdisciplinary studies in geomorphology, conservation biology, water resources, natural hazards, climatology and related areas in conjunction with faculty of the School of Natural Resources; and, (4) *Community and Regional Planning*. Students may pursue a cross-disciplinary PhD combining strengths of the Faculty of Geography and the Department of Community and Regional Planning.

Geography faculty and student offices are located in Hardin Hall, a modern research and classroom facility that also houses other units of the School of Natural Resources. The facility includes specialized laboratories and several nationally-recognized research centers including the Center for Advanced Land Management Information Technologies (CALMIT), the High Plains Regional Climate Center and the National Drought Mitigation Center. Students have access to state-of-the-art computing including image processing and GIS software such as ArcGIS, ERDAS Imagine and ENVI. Through CALMIT, UNL geographers have opportunities to use unique close-range remote sensing capabilities and an aircraft for supporting remote sensing research. Faculty and students in Geography regularly collaborate with UNL's Center for Great Plains Studies, the Department of Community and Regional Planning, the Department of Agronomy and Horticulture and the University of Nebraska Medical Center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: UNL operates on the semester system. Students seeking admission to the MA program should have a BA or BS degree in geography or a cognate field. GRE scores are required. The MA requires 30 hours of coursework (including thesis). A non-thesis MA option requires 36 hours of coursework. For admission to the PhD program, applicants should have a Master's degree in geography or a related field (with thesis). GRE scores are required. Approximately 36 hours of coursework are required, plus a dissertation, written and oral comprehensives and proficiency in one research tool.

Graduate teaching assistantships are available for qualified Master's and Ph.D. students. Research assistantships may be available through the various Centers within the School of Natural Resources. Assistantships provide 12 hours of tuition each semester and basic individual student health insurance at a reduced premium. Graduate teaching assistants work approximately 15 hours per week, most commonly as laboratory instructors. MA students are eligible for two years of support, and PhD students for three years of funding. University fellowships are available to persons with outstanding qualifications. Completed applications are due January 15 for those wishing to be considered for financial aid and due April 15 for admission only. The University of Nebraska is an Affirmative Action Equal Opportunity Institution.

FACULTY:

Douglas M. Amedeo, PhD, Iowa, 1967, Professor — spatial theory, quantitative analysis, environment and behavior, diffusion
J. Clark Archer, PhD, Iowa, 1974, Professor — political, settlement, computer cartography, GIS
Rebecca A. Buller, PhD, Nebraska, 2009, Lecturer — historical and cultural geography, historical geography of the Great Plains, women's and gender studies
Kenneth Dewey, PhD, Toronto, 1973, Professor — climate variations, severe weather
Anatoly A. Gitelson, PhD, IRT, 1972, Professor Emeritus — remote sensing of water quality, vegetation and the atmosphere
Paul R. Hanson, PhD, Nebraska, 2005, Associate Professor — geomorphology and landforms, climate change, physical geography of Nebraska and the Great Plains
R. M. (Matt) Joeckel, PhD, Iowa, 1993, Professor — surficial processes and landforms, soils and weathering, physical geography of Nebraska and the Great Plains

Cody Knutson, PhD, Nebraska, 2004, Research Associate Professor — environmental, development, and cultural, water resources and drought, risk management, environmental perceptions and justice, participatory decision making, qualitative/quantitative methods
Merlin P. Lawson, PhD, Clark, 1973, Professor Emeritus, Geosciences — climate change, climate reconstruction, remote sensing
James W. Merchant, PhD, Kansas, 1984, Professor — remote sensing, geographic information systems (GIS), natural resources, land use/land cover characterization
Katherine Nashleas, PhD, Nebraska, 2005, Lecturer — human geography, ethnic studies, Africa, human dimensions of natural resources
Juan Paulo Ramirez, PhD, Nebraska, 2003, Lecturer — Latin America, environmental and human evaluations using GIS, design of surveys, statistical analysis
Donald C. Rundquist, PhD, Nebraska, 1977, Professor Emeritus — remote sensing, geographic information systems (GIS)
Robert H. Stoddard, PhD, Iowa, 1966, Professor Emeritus — human/social, field techniques; South Asia
Brian D. Wardlow, PhD, Kansas, 2005, Associate Professor — remote sensing, GIS, drought, land use/land cover characterization, biogeography, and environmental studies
Donald A. Wilhite, PhD, Nebraska, 1977, Professor and Director, School of Natural Resources — climate, drought, human dimensions
David J. Wishart, PhD, Nebraska 1971, Professor — historical, dispossession of indigenous peoples, epistemology of Geography and History; Great Plains
Arthur I. Zygielbaum, PhD, Nebraska 2009, Research Associate Professor — remote sensing of vegetation, GIScience

AFFILIATED FACULTY:

Rodrigo F. Cantarero, PhD, Southern California, 1988, Associate Professor, Community and Regional Planning — urban and regional planning, GIS
Ge Lin, Ph.D. SUNY at Buffalo, 1996, Associate Professor, Department of Health Services Research & Administration, College of Public Health, University of Nebraska Medical Center — geographic information systems, spatial statistics and modeling, health geography
Yunwoo Nam, PhD, Pennsylvania, Associate Professor, Community and Regional Planning — public policy and urban spatial structure, GIS & analytic methods in planning, metropolitan policy, urban modeling, land use & transportation interaction, policy processes and networks
Gordon Scholz, MBA, Nebraska-Omaha, 1974, Professor, Community and Regional Planning — historic preservation, land development, planning and design
Zhenghong Tang, PhD, Texas A&M, 2007, Assistant Professor, Community and Regional Planning — GIS and risk analysis

UNIVERSITY OF NEBRASKA OMAHA

DEPARTMENT OF GEOGRAPHY-GEOLOGY

DATE FOUNDED: 1958

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., B.S., M.A.

GRANTED 9/1/12-8/31/13: 11 Bachelors, 5 Masters

STUDENTS IN RESIDENCE: 141 Majors, 67 Masters

NOT IN RESIDENCE: 5 Masters

PROGRAM DIRECTOR: Rex Cammack

**DEPARTMENT ADMINISTRATIVE ASST: Brenda
Todd**

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Chair, Graduate Program Committee, Department of Geography-Geology, University of Nebraska at Omaha, Omaha, Nebraska 68182-0199. Telephone (402) 554-2662. Fax (402) 554-3518. Web www.unomaha.edu/geogeo/.

PROGRAM AND RESEARCH FACILITIES: The Graduate Program in Geography provides training in the basic geographic skills and opportunity for graduate work in a spectrum of systematic and scientific fields. The Master of Arts degree consists of 30 hours; 24 hours of approved graduate work and 6 semester hours of thesis. A non-thesis option is also offered for 36 hours of coursework, to include comprehensive written and oral examinations. Individual programs of study are designed for incoming graduate students on the basis of previous course work and personal interviews. The History and Philosophy of Geography and Research Methods courses are required of all graduate students.

Introductory, advanced, and seminar courses are offered in four major areas of study: 1) Geographic Information Science (GIScience) - Computer Mapping and Visualization, Geographic Information Systems, Environmental Remote Sensing, Cartographic Methods, Quantitative Analysis; 2) Physical & Environmental Geography-Conservation of Natural Resources, Biogeography, Geomorphology, Climatology, Field Methods, Soils, Water Resources; 3) Urban-Regional Planning-Urban Geography, Land Use, Metropolitan Planning, Urban Community, Internship in Regional Planning; 4) Human Geography-Political Geography, Economic Geography, Cultural Geography, Feminist Geography. Students generally specialize in one area but are encouraged to take courses in all four.

The Department of Geography and Geology houses state-of-the-art laboratory and computational facilities. Separate computer labs for cartography and GIS support instruction and research. The cartography lab consists of 10 Macintosh Pro computers with 24" monitors. The GIS lab houses 16 PC computers with dual 19" monitors. Software includes Adobe CS and ESRI ArcGIS. The department also contains the Remote Sensing and Geocomputation Laboratory that contains state-of-the-art computer systems and software. The laboratory is used for classroom instruction and research by students and faculty.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: The Department offers B.A. and B.S. degrees in geography, geology, environmental geography and planning, and environmental earth sciences, as well as a certificate in Geographic Information Systems.

Geography majors are required to take a core of required courses in human, physical and regional geography, plus cartography for a minimum of 24 semester hours. In addition, they must take at least one systematic, one regional and one techniques course to satisfy the undergraduate distribution requirements. Twelve hours of electives, at

the upper-division level, complete the minimum of 36 hours for a degree in geography. Sixteen hours of a foreign language are required for the B.A., and fifteen hours of designated math, statistics, computer science and writing courses are required for the B.S. The environmental studies major has an earth science track with emphasis mostly in geology and physical geography, and a geography and planning track with emphasis in geographic techniques.

Graduate: An applicant for admission should have a prerequisite minimum of 15 semester hours of geography, including human and physical geography and cartography, with a minimum GPA of 3.0 on a 4.0 scale in the major program. A good background in physical geography is expected for teaching assistants. Deficiencies must be made up during the student's first year. Students are expected to be familiar with basic computer skills and statistics, as well as collateral courses in the physical sciences, economics, history, and sociology relevant to the geographical interests in which the student wishes to specialize. Students interested in remote sensing and GIS must have computer programming skills.

A number of assistantships are available each year for qualified applicants. Most assistants teach laboratories or discussions in physical geography. The standard ten-month assistantship carries a stipend of \$12,586 plus remission of twelve hours of tuition each semester including summer school. Assistants are expected to work about 20 hours per week.

UNO is committed to a program of affirmative action. Applications for admission and for graduate assistantships from women and members of minority groups are encouraged. As an equal opportunity employer, UNO is seeking the best qualified persons for graduate assistantships.

All applications to the Geography Graduate Program are handled through UNOs Graduate Studies website: <http://www.unomaha.edu/graduate/>. Applications to the graduate program require: a letter of intent, a resume, and two letters of recommendation. The GRE is recommended for admission to the program but is required to be considered for a teaching assistantship. Teaching assistantship forms can be found on the department's website: http://www.unomaha.edu/geogeo/geography_graduate.php. Applications should be received by March 1 to be considered for an assistantship. Further questions about the geography graduate program can be directed to: Dr. Christina Dando, Graduate Program Chair, Department of Geography-Geology, University of Nebraska at Omaha, Omaha, NE 68182-0199. Phone: (402) 554-3134. Email: cdando@unomaha.edu.

FACULTY:

Bradley J.F. Bereitschaft, Ph.D., University of North Carolina at Greensboro, 2011, Associate Professor — urban geography, physical geography, urban environmental, sustainability, urban sprawl and air quality

Rex G. Cammack, Ph.D., University of South Carolina-Columbia, 1995, Associate Professor — geographic information systems, cartography, behavioral, remote sensing, agricultural geography, windmills and grain elevators

Christina E. Dando, Ph.D., University of Wisconsin-Madison, 2000, Associate Professor — human geography, Great Plains, gender and landscape, landscape perception, geographies of the media

George F. Engelmann, Ph.D., Columbia, 1978, Professor — vertebrate paleontology, tertiary stratigraphy and sedimentology, biogeography

Karen F. Falconer Al-Hindi, Ph.D., Kentucky, 1993, Professor — feminist geography, gender and work, history and philosophy of geography, research methods

James J. Hayes, Ph.D., Indiana University, Bloomington, 2008, Assistant Professor — remote sensing, landscape ecology, human-environment interaction, impacts of development and land change on ecological systems

Harmon D. Maher, Jr., Ph.D., Wisconsin-Madison, 1984, Professor — structural geology, tectonics, environmental geology, history and philosophy of geology, Svalbard, Norway, southern Appalachians

Petr Pavlinek, Ph.D., University of Kentucky, 1995, Professor — political, economic, development, regional restructuring, political economy, political ecology, transition in Central and Eastern Europe

Michael P. Peterson, Ph.D., SUNY Buffalo, 1982, Professor — computer-assisted cartography, remote sensing, geographic information systems

Robert D. Shuster, Ph.D., Kansas, 1985, Associate Professor — mineralogy, petrology, geochemistry

TECHNICAL STAFF:

Paul Hunt, M.A., University of Nebraska at Omaha, 2009, Coordinator — Cartography and GIS

NEVADA

UNIVERSITY OF NEVADA, RENO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1947

GRADUATE PROGRAM FOUNDED: 1993

DEGREES OFFERED: B.S. and B.A. in Geography; M.S. in Geography, M.S. in Land Use Planning Policy; PhD in Geography

GRANTED 9/1/12-8/31/13: 17 Bachelors, 3 Masters, 2 PhD STUDENTS IN RESIDENCE: 37 Majors, 15 Masters, 18 PhD

CHAIR: Paul F. Starrs

DEPARTMENT ADMINISTRATIVE ASST: Shari L. Baughman

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, University of Nevada, Mail Stop 0154, Mackay Science Bldg. Room 201, Reno, Nevada 89557-0048. Telephone (775) 784-6995. Fax (775) 784-1058. Internet: <http://www.unr.edu/geography/> Email: geography@unr.edu

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Geography at Nevada emphasizes human-environment interactions. Our curriculum and research specialize in the study of desert and mountain landscapes and people in arid and mountainous environments. The Department emphasizes the integration of human and physical geography and encourages the use of geospatial technologies (GIS, Remote Sensing, and Cartography). Our approach encourages problem solving that utilizes spatial reasoning and the analysis of questions at multiple spatial scales: local, regional and global.

The Department of Geography houses a dendrochronology laboratory and palynology laboratory for paleoclimate reconstruction, the office of the State Climatologist and UNR weather station, an extensive map collection, and equipment for field studies focusing on mountain environments, climatology, environmental reconstruction and water resources. The Department contains a laboratory for cartography and computer mapping and a center for the study of geographic information systems (GIS). There are exceptional facilities for the analysis of remotely sensed data available through the Mackay School of Earth Sciences and Engineering, of which the Department is a part. The University is comprised of the full range of programs and

facilities found in land-grant institutions. The Knowledge Center at the University contains an excellent journal collection.

GRADUATE: Geography at Nevada emphasizes the study of landscape change and human-environment interactions in arid and mountainous landscapes. The Department emphasizes the integration of human and physical geography and encourages the use of geospatial technologies (GIS, Remote Sensing, Cartography). Our department has a strong physical geography component that seeks to understand pattern and process within nature. We have strengths in cultural and historical geography that seek to understand pattern and process within societies. Where studies of nature and society meet, we study the effects of human ideas, systems and activities on the environment. And looking at human-environment interactions from a different perspective, our work also encompasses how the environment establishes contexts and constraints for human ideas, systems and activities.

Reno is uniquely situated for the study of geography and land use planning in a growing state. The location offers ready access to the Sierra Nevada, high deserts, the Basin & Range physiographic province, and to recreational and research opportunities at Lake Tahoe, with Reno a three-hour drive from the San Francisco Bay Area.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Admission to the graduate program is determined from a combination of grade point average, GRE scores, statement of purpose, and three letters of reference. Applications are due February 01 for the following Fall semester. See the university catalog for academic requirements for each program. There are, at present, eighteen graduate teaching and research assistantships available. We award forty-plus undergraduate and graduate scholarships annually.

FACULTY:

Thomas P. Albright, PhD, Wisconsin-Madison 2007, Assistant Professor — conservation biogeography; ecoclimatology; landscape ecology and remote sensing

Scott D. Bassett, D.Des., Landscape Architecture and Environmental Planning, Harvard, 2001, Assistant Professor — land use planning, GIS, spatial modeling, conservation biology

Kate A. Berry, PhD, Colorado, 1993, Associate Professor and past Chair — water resources, Native American and ethnic geography, law and public policy

Franco Biondi, PhD, Arizona, 1994, Professor — climatology, dendrochronology, quantitative methods

Douglas P. Boyle, PhD, Arizona 2001, Associate Professor — surface water hydrology; snow hydrology; integrated modeling

Jill S. Heaton, PhD, Oregon State University, 2001, Associate Professor — arid land ecology, GIS, spatial statistics

Gary J. Hausladen PhD, Syracuse, 1983, Professor — economic, political, popular culture, film, Russia

Scott A. Mensing, PhD, UC Berkeley, 1993, Professor — biogeography, Quaternary studies, field methods

Rohit Patil, MS, University Nevada, Reno, 2003, Research faculty — GIS programming, remote sensing

Paul F. Starrs, PhD, UC Berkeley, 1989; Regents & Foundation Professor of Geography, Chair, and Editor emeritus Geographical Review — natural resources, cultural, Mediterranean landscapes, Nevada and the American West

Scotty Strachan, MS, University Nevada, Reno, 2010, Research Faculty — dendrochronology, environmental monitoring, great basin climatology water resources

EMERITI FACULTY:

Earl W. Kersten, PhD, Nebraska, 1961

ADJUNCT FACULTY:

Nigel J.R. Allan, PhD, Syracuse University, 1978 — mountain environments, cultural geography, history of geographic thought

Mella Harmon, MS, University of Nevada, Reno, 1998 — land use planning; historic preservation
Michael Kaplan, PhD — synoptic climatology
Alexandra Lutz, PhD — International water development, groundwater hydrology
Kenneth McGwire, PhD — energy and water balance; vegetation analysis; remote sensing
David A. Mouat, PhD — arid lands and landscape dynamics
Kenneth Nussear, PhD — distributional limitations of plants and animals; desert ecology; physiological ecology; conservation biology
Victoria S. Randlett, PhD, UC Berkeley, 1999 — urban, historical, social, geography of food and food systems
Peter E. Wigand, PhD — geoarcheology, paleoecology, pollen and packrat midden analysis

NEW HAMPSHIRE

DARTMOUTH COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1942

DEGREES OFFERED: B.A.

GRANTED 9/12-6/13: 38 Bachelors

MAJORS: 75

CHAIR: Susanne Freidberg

DEPARTMENT ADMINISTRATOR: Kelly Palmer

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Professor Susanne Freidberg, Department of Geography, Dartmouth College, 6017 Fairchild Hall, Hanover, New Hampshire 03755-3571. Telephone (603) 646-3378. Fax (603) 646-1601. E-mail: Geography@Dartmouth.edu. Internet: www.dartmouth.edu/~geog/.

PROGRAMS AND RESEARCH FACILITIES: Geography is housed in the Fairchild Science Center. Departmental facilities are excellent, and include well-equipped Geographic Information Systems Center, cartography and remote sensing laboratories, well-equipped tree-ring and sedimentology laboratories, and fully-equipped classrooms. Baker Library holds one of the nation's finest collections of atlases and sheet maps, as well as a magnificent array of journals and books for study and research in geography. The Stefansson collection of Arctic materials is especially noteworthy. In addition to fieldwork carried on in the local area, the department sponsors a foreign study program in Prague.

ACADEMIC PLAN, ADMISSION REQUIREMENTS AND FINANCIAL AID: Quarter system. Students academically qualified for admission find that Dartmouth has a generous financial aid plan, and over half of the students receive support from either scholarships or loans. In addition, student research is often funded by Waterhouse, Richter, Mellon, and Rahr grants.

FACULTY:

Jonathan W. Chipman, Ph.D., University of Wisconsin-Madison, 2001 — Remote Sensing, GIS, Spatial Analysis & Modeling
Laura E. Conkey, Ph.D., Arizona, 1982, Associate Professor — Dendrochronology, biogeography, climatology, field methods, feminism & science
Mona Domosh, Ph.D., Clark University, 1985, Professor — Urban, historical, cultural, gender

Jennifer L. Fluri, Ph.D., Pennsylvania State University, 2005, Associate Professor — Feminist geography
Coleen A. Fox, Ph.D., University of Oregon, 2000, Senior Lecturer — Southeast Asia, political ecology, water resources
Susanne Freidberg, Ph.D., Berkeley, 1996, Professor — Agro-food, Africa, historical, political ecology, development
Lee Hachadoorian, Ph.D., The Graduate Center of the City University of New York, 2011, Visiting Assistant Professor — GIS, Spatial Analysis, Urban Economic Geography
Jaclyn HatalaMatthes, Ph.D., University of California, Berkeley, 2013, Assistant Professor — Ecosystem-atmosphere feedbacks, Greenhouse gas fluxes, Ecological dynamics
Paul Jackson, Ph.D., University of Toronto, 2011, Postdoctoral Fellow — Political Ecology, Urban Theory and Politics, Public Health and Epidemics, Science and Technology Studies
Daniel E. Lawson, Ph.D., University Illinois, 1977, Adjunct Professor — Glacial geomorphology, Quaternary processes
Frank J. Magilligan, Ph.D., Wisconsin, 1988, Professor — water resources, Fluvial geomorphology, watershed science
Dinesh Paudel, Ph.D., University of Minnesota, 2013, Postdoctoral Fellow — Development, Social movement, Nature Society, South Asia
Xun Shi, Ph.D., University of Wisconsin-Madison, 2002, Associate Professor — GIS, spatial analysis, health, soil mapping
Christopher Sneddon, Ph.D., University of Minnesota, 2000, Associate Professor — Political ecology, Southeast Asia, transnational rivers, environmental conflicts, sustainable development
Jonathan M. Winter, Ph.D., Massachusetts Institute of Technology, 2009, Assistant Professor — Climate Impacts on Water Resources & Agriculture, Climate Variability and Change
Richard Wright, Ph.D., Indiana, 1985, Professor — Race, immigration, labor markets, housing markets

EMERITI FACULTY:

George Demko, Ph.D., Pennsylvania State, 1964, Professor Emeritus — population, political, Russia, China, medical
David T. Lindgren, Ph.D., Boston, 1969, Professor — urban, Russian, political
Vincent H. Malmstrom, Ph.D., Michigan, 1954, Professor Emeritus — regional, cultural, historical, Europe, Latin America, climatology

KEENE STATE COLLEGE

SCHOOL OF SCIENCES AND SOCIAL SCIENCES: GEOGRAPHY

DATE FOUNDED: 1972

DEGREE OFFERED: BA

GRANTED 9/1/12 to 8/31/13: 36

MAJORS: 70

CHAIR: A.L. Rydant

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Geography, Keene State College, Keene, New Hampshire 03435-2001. Telephone (603) 358-2508. Fax (603) 358-2897. E-mail: arydant@keene.edu
 Internet: <http://www.keene.edu/academics/programs/geog/>

PROGRAMS AND RESEARCH FACILITIES: The School of Sciences and Social Sciences: Geography offers a BA degree with possible foci in regional analysis, GIS, urban/economic, geographic education, water, recreation, and natural resource management. A GIS Certificate is also offered. Facilities include a USGS New England Map collection, a 19 seat GIS Teaching Laboratory, and a 12 station Community GIS Laboratory. Strong Internship opportunities are available.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Academic Plan: semester. Admission Requirements: same as general college requirements [good academic standing, SAT completion, application]. Financial Aid: numerous college-wide scholarships.

FACULTY:

Christopher Brehme, Ph. D., Buffalo, 2009, Associate Professor — GIScience, marine and coastal, human-environment interaction
Lara M. P. Bryant, Ph.D., Texas State, 2010, Assistant Professor — geographic education, geospatial technology, spatial thinking
Christopher Cusack, Ph.D., Akron, 1999, Professor — urban, planning, GIS, Africa
Jo Beth Mullens, Ph.D., Oregon State, 1995, Professor — water resources, recreation, environmental geography, international programs
Albert L. Rydant, Ph.D., Victoria, 1979, Professor — cultural, economic, resources, Latin America

ADJUNCT FACULTY:

Kathryn Bills, MA, Victoria, 2012 — Physical, Environmental, Aging, Regional
Tania Coffin, MEPC, Pennsylvania State University, 1999 — Natural Resource Management
Kevin Heaney, B.A. SUNY Potsdam, 1981 — Introduction to Geography
Tristram Johnson, MA, School for International Training, 1996 — Latin America
Jeffrey Nugent, M.S., SUNY Syracuse, 1991 — Map Interpretation, Cartography & Surveying
Cynthia Sterling Clark, BA, Keene State, 1990 — Introduction to Geography

PLYMOUTH STATE UNIVERSITY

THE GEOGRAPHY AND ENVIRONMENTAL PLANNING PROGRAM WITHIN THE SOCIAL SCIENCE DEPARTMENT

DATE FOUNDED: 1975

DEGREES OFFERED: B.S. in Geography; B.S. in Environmental Planning; B.S. in Tourism Management and Policy

GRANTED 9/1/12-8/31/13: 20 Bachelors

MAJORS: 53

HEAD: Dr. Patrick May

DEPARTMENT ADMINISTRATIVE ASSISTANT: Kathryn T. Melanson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Patrick May, Department of Social Science, Plymouth State University, 17 High Street, Plymouth, New Hampshire 03264. Telephone (603) 535-2501. Fax (603) 535-2351. E-Mail: pmay@plymouth.edu Internet: <http://www.plymouth.edu/>

PROGRAMS AND RESEARCH FACILITIES: Two hours north of Boston off Interstate 93, Plymouth State University is located in the Lakes Region of New Hampshire among the foothills of the White Mountains. A beautiful valley setting at the confluence of the Baker and Pemigewasset Rivers makes Plymouth a natural destination for mountain climbing, water sports, hiking and skiing. These are popular leisure activities for the 3,500 undergraduate and 1,000 graduate students at the university.

Each geography major at Plymouth completes core courses in cultural geography, physical geography, and geographic techniques. The

program also offers the BS in Environmental Planning and in Tourism Management and Policy. All programs require a student internship (3-6 credits) with community and regional planning agencies, the travel and tourism industry, and GIS firms.

Upper division classes rarely exceed 20 students. Through a comprehensive advising system, the geography faculty assume a personal interest in each of the students, supervise directed undergraduate research projects, and work closely with majors in more informal environments.

The Maynard Weston Dow Geographic Information Systems Lab focuses on undergraduate instruction using ArcGIS. A site license for ArcGIS allows students to work anywhere on campus. The department supports the activities of the Institute for New Hampshire Studies and the Canadian Studies Center. An emeritus faculty, Maynard Weston Dow, is the creator of *Geographers on Film*, a record of the formative years of the discipline's modern intellectual development.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University employs a semester system for fall and spring and optional four-week January Terms and two Summer Sessions. Admissions deadlines are April 1 for Fall and December for Spring. In addition to growing amounts of financial aid available for students, a \$1,000 scholarship, The John Ozog Award, is presented annually to a deserving sophomore or junior major who has shown academic excellence and participated in the PSU Geo Club. The Okrant Family Scholarship is awarded to an outstanding student in Tourism Management & Policy.

FACULTY:

Patrick May, Ph.D., University of Maryland, 1999, Associate Professor — cultural geography, geographic education, urban geography, Africa
Byron D. Middlekauff, Ph.D., Michigan State, 1987, Professor — geomorphology, biogeography, remote sensing, Australia, New Zealand, South Pacific
Mark J. Okrant, Ed.D., Oklahoma State, 1975, Professor — tourism, community planning, population, Alaska and Canada
Kurt Schroeder, Ph.D., Pennsylvania State, 1988, Professor and Coordinator of Geography and Environmental Planning — military geography, GIS, Europe

UNIVERSITY OF NEW HAMPSHIRE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1968

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 16 Bachelors

MAJORS: 40

CHAIR: Blake Gumprecht

DEPARTMENT ADMINISTRATIVE ASST: Ginny Bannon

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Blake Gumprecht, Chair, Department of Geography, University of New Hampshire, 102 Huddleston Hall, 73 Main Street, Durham, New Hampshire 03824-2541. Telephone (603) 862-1719. Fax (603) 862-4362. E-mail: blake.gumprecht@unh.edu. Internet: <http://www.unh.edu/geography/>

PROGRAMS AND RESEARCH FACILITIES:

The department offers an undergraduate program exclusively. The program provides students a solid foundation in geography that enables them to pursue a variety of careers or enter graduate school. Students are taught primarily in small classes, allowing opportunity for close contact with faculty. Emphasis is placed on individual work,

particularly in upper division courses. Students are encouraged to confer frequently with faculty regarding courses, research, internships, and career opportunities.

To earn a bachelor of arts in geography, students must complete ten geography courses—five core courses in world regional geography, human geography, physical geography, and geographic information systems; four courses in one of three areas of concentrations; plus one elective. Geography majors must choose a concentration in human geography, environmental geography, or geotechniques. In addition to the core courses, classes are offered in urban geography, political geography, economic geography, weather and climate, landforms, natural hazards, field methods, remote sensing, and other areas. Regional courses are offered on New England, United States and Canada, Latin America, the Middle East, and Japan.

Faculty are currently engaged in research projects about globalization in the Middle East, immigration in New England, Antarctic sea ice, climate change in New England, coca farming social movements in Peru, and fisheries management.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Application for admission to the Geography program and for financial aid should be directed to the Admissions Office, Grant House, University of New Hampshire, Durham, New Hampshire. College Entrance Examination Board Scholastic Test scores required.

FACULTY:

Jennifer F. Brewer, Ph.D., Clark, 2007, Associate Professor — human-environment interactions, political ecology, common property institutions, environmental governance, fisheries, adaptation to environmental change

Alasdair D. Drysdale, Ph.D., Michigan, 1977, Professor, Associate Dean, College of Liberal Arts — political, human, population and development, Middle East, Japan

Blake Gumprecht, Ph.D., Oklahoma, 2000, Associate Professor and Chair — urban, cultural, historical, North America, New England

Timothy Scott Pruett, Ph.D., West Virginia, 2012, Lecturer — political geography, political ecology, rural development, Latin America

Mary D. Stampone, Ph.D., Delaware, 2009, Associate Professor and New Hampshire State Climatologist — climate, climate modeling, cryosphere, sea ice, periglacial

Russell Congalton, Ph.D., Virginia Polytechnic, 1984, Professor, Department of Natural Resources and the Environment — remote sensing, GIS, spatial data analysis, natural resources

EMERITI FACULTY:

Robert L.A. Adams; Ph.D., Clark

NEW JERSEY

ROWAN UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENT

DATE FOUNDED: 1970

DEGREES OFFERED: 5 baccalaureate degree programs

(See below)

GRANTED 9/1/13 – 8/31/14: 48 Bachelors

MAJORS: 185

CHAIR: John Hasse

DEPARTMENT ADMINISTRATIVE ASST: Laura Ruthig

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. John Hasse, Department of Geography and Environment, Robinson Hall, 201 Mullica Hill Rd., Rowan University, Glassboro, New Jersey 08028. Telephone (856) 256-4812. Fax (856) 256-4670 E-mail:hasse@rowan.edu. Internet: www.rowan.edu/geography

PROGRAMS AND RESEARCH FACILITIES:

The Department offers a baccalaureate degree programs, four minors and four concentrations. The programs include a BA and minor in Geography, a BA and minor in Environmental Studies, a BS and minor in Planning, a BS and Minor in GIS and a BA in Integrated Studies in Geography and Environment. The concentrations include: Geoscience, variety of programs related to geography and the environment including five Environmental Science, Applied Geographic Knowledge and Skills (GeoEducation), Geographic Inquiries into Global Issues and a certificate in cartography and GIS. All of these programs integrate theory and practice, blending both academic and applied facets of geography, environment, planning, and geospatial technologies.

In support of its teaching, research and outreach, the Department houses the Geospatial Research Laboratory (GeoLab) which includes three state of the art computer labs in which students learn to use the latest, high level GIS software (a site license for the full ESRI package) using state-of-the-art hardware platforms and peripherals including large format high resolution plotters and scanners as well as survey quality global positioning system (GPS) receivers. This equipment is used by faculty for research and outreach projects. Students have full access to these labs in which they can pursue class projects and research, often working closely with faculty members.

Our Department also works closely with the College of Education to ensure that our dual major program meets the requirements and scheduling needs of education majors. Upon graduation departmental majors pursue a variety of options including continuing their education at the graduate level, teaching elementary or secondary school, working in environmental firms, as planners or as GIS specialists in various agencies, environmental protection departments, engineering firms, software development firms and in many other areas.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Rowan University is on a semester plan. The department offers all major courses in rotation during day and evening time periods, thus providing students flexibility in completing our program. We also offer a limited selection of lower and upper division courses during the summer term. Admission requirements include high school diploma or GED equivalency, and either SAT or ACT scores. Financial aid programs include loans, grants, scholarships, and employment.

GEOGRAPHY & ENVIRONMENT FACULTY:

Zachary Christman, Ph.D., Clark University, 2010, Assistant Professor — landscape change, GIS, remote sensing, vulnerability, health
Patrick Crumrine, Ph.D., University of Kentucky, 2003, Associate Professor — aquatic ecology, community ecology, conservation biology
John Hasse, Ph.D., Rutgers University, 2001, Professor — cultural, land use, urban, environmental science, GIS
Jordan Howell, Ph.D., Michigan State University, 2013, Assistant Professor, waste, Hawaii, North America, technology, environmental policy
Denyse Lemaire, Ph.D., Free University of Brussels, 1992, Professor — glaciology, geology, environmental science
Charles McGlynn, Ph.D., Rutgers University, 2011, Instructor — water Resources, population, Asia, American and Russian studies
John Reiser, MCRP, Rutgers University, 2006, Campus GIS Specialist & Instructor — GIS, transportation planning, physical planning, community visioning

EMERITI FACULTY:

Edward F. Behm, M.A., Bowling Green, 1971, Assistant Professor — cultural, population, land use, Europe
Jerry N. Lint, M.Ed., Penn State, 1963, Professor — physical, climatology, Latin America
Richard A. Scott, Ph.D., Syracuse, 1982, Professor — quantitative methods, urban, computer cartography, GIS
Charles A. Stansfield, Jr., Ph.D., Pittsburgh, 1965, Professor — cultural landscapes, tourism and recreation, U.S. and Canada, British Isles
Chester E. Zimolzak, M.S., Wisconsin, 1964, Associate Professor — cartography, transportation, manufacturing, Eastern Europe

RUTGERS UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1949

GRADUATE PROGRAM FOUNDED: 1956

DEGREES OFFERED: B.A., M.A., M.S., M.Phil., Ph.D.

DEGREES GRANTED 9/1/12-8/31/13: 42 Bachelors, 5 Masters, 7 Ph.D.

STUDENTS IN RESIDENCE: 48 Majors, 3 Masters, 42 Ph.D.

CHAIR: Richard Schroeder

GRADUATE DIRECTOR: Laura Schneider

DEPARTMENT ADMINISTRATIVE ASST: Cleo Bartos

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Undergraduate: Office of Undergraduate Admissions, Rutgers, The State University of New Jersey, 65 Davidson Road, Room 202, Piscataway, New Jersey 08854-8097. Telephone (732) 445-4636. Graduate: Graduate Program in Geography, Department of Geography, Rutgers, The State University of New Jersey, 54 Joyce Kilmer Avenue, Piscataway, New Jersey 08854-8045. Telephone (848) 445-4103. Fax (732) 445-0006. E-mail: cleo.bartos@rutgers.edu. Internet: geography.rutgers.edu.

PROGRAMS AND RESEARCH FACILITIES: The graduate program in Geography at Rutgers offers rigorous interdisciplinary training in areas that reflect a diverse set of empirical questions and theoretical approaches. Much of the research conducted by program faculty falls broadly within an environment and society tradition, but other specializations are encouraged. Specific strengths of the program include: 1) *environmental geography* – political ecology; human dimensions of global environmental change; human responses to environmental hazards; institutional and cross-cultural aspects of

resource management involving forestry, fisheries, wildlife conservation, mining and agriculture; environmental justice; public health and risk communication; 2) *urban/economic geography and social theory* – globalization; uneven development; contemporary urban development, revitalization and gentrification; diverse economies; grassroots politics; citizenship; democratic theory and practice; housing, residential segregation, and community control of land use; gender; race; nationalism; 3) *physical geography* – climatology and climate change; snow-cover dynamics; cryosphere; hydrology; land use and land cover change; invasive species; coastal geomorphology; and 4) *geospatial information science* – remote sensing; geographic information science; spatial statistical analysis; cartography.

The university's location in the New York metropolitan region, its proximity to the diverse physical and social environments of the mid-Atlantic and Appalachian regions, and its ties to many state, national, and international organizations combine to provide compelling geographical research opportunities. The program houses the Office of the State Climatologist, and maintains close ties with a number of interdisciplinary units across the university including the Center for Urban Policy Research, the Institute of Marine and Coastal Sciences, the Center for Historical Analysis, the Center for Cultural Analysis, Centers for African, Latin American, Latino and Hispanic Caribbean, South Asian and European Studies, and the Grant F. Walton Center for Remote Sensing and Spatial Analysis. Certificate Programs are available in Geomatics, Human Dimensions of Global Change, and Quaternary Studies.

The Department of Geography has several laboratories equipped for instruction and graduate research. The Center for Remote Sensing and Spatial Analysis and the Edward J. Bloustein School of Planning and Public Policy also contain excellent facilities for remote sensing and geographic information systems and are accessible to students through participating geography graduate faculty.

GRADUATE PROGRAM ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The program offers four-year funding packages to a limited number of qualified applicants consisting of a mixture of fellowships and teaching assistantships. All application materials must be received by January 15 for admission the following academic year.

FACULTY (members of core department and graduate program):

D. Asher Ghertner, Ph.D., California-Berkeley, 2010, Assistant Professor — urban informality and governance, the political economy of displacement, political ecology, governmentality and rule, ethnography, Indian politics
Robin Leichenko, Ph.D., Pennsylvania State, 1997, Professor — economic geography, climate change vulnerability, human dimensions of global environmental change
Tania del Mar Lopez Marrero, Ph.D., Pennsylvania State, 2008, Assistant Professor — ecosystems services and drivers of ecosystem change, vulnerability and resilience to natural hazards, land use/land cover change, mixed methods, GIS, cartography, Caribbean
J. Kenneth Mitchell, Ph.D., Chicago, 1973, Professor — human response to environmental hazards, environmental policy and planning, global environmental change
Joanna Regulska, Ph.D., Colorado, 1982, Professor — women's political activism; grassroots mobilizations, human displacement, Central and Eastern Europe, Caucasus, European Union
Asa Rennermalm, Ph.D., Princeton, 2007, Assistant Professor — physical geography, hydrology, climatology, Arctic region, Greenland ice sheet
David A. Robinson, Ph.D., Columbia, 1984, Professor and N.J. State Climatologist — climatology, cryosphere, regional climates, physical geography

Laura C. Schneider, Ph.D., Clark, 2004, Associate Professor — land change science, biogeography, remote sensing, GIS, and Latin America

Richard Schroeder, Ph.D., California-Berkeley, 1993, Professor — uneven development, political ecology, conservation, Africa, wildlife, mining, forestry, gender, race, nationalism

Kevin St. Martin, Ph.D., Clark, 1999, Associate Professor — economic geography, diverse economies, political ecology, community and commons, critical cartographies, GIS

GRADUATE FACULTY (members of graduate program only):

Gail M. Ashley, Ph.D., British Columbia, 1977, Professor — quaternary, sedimentology, glacial geomorphology, environmental planning

James DeFilippis, Ph.D., Rutgers, 2000, Associate Professor — community development, housing policy, immigration, labor

Michael R. Greenberg, Ph.D., Columbia, 1969, Professor — environmental health, mathematical models

Heidi Hausemann, Ph.D., Arizona, 2010, Assistant Professor — nature-society theory, political ecology, environmental governance, health and the environment, land-use/cover change

H. Briavel Holcomb, Ph.D., Colorado, 1972, Professor — urban redevelopment, inequalities, tourism, cyberspace

David M. Hughes, Ph.D., California-Berkeley, 1999, Professor — landscape, extractive industries, energy, climate change, political ecology, conservation, colonialism, Southern Africa, Caribbean

Robert W. Lake, Ph.D., Chicago, 1981, Professor — urban and political geography, environmental policy, locational conflict

Richard G. Lathrop, Ph.D., Wisconsin-Madison, 1988, Professor — remote sensing, geographic information systems, landscape ecology

Melanie McDermott, Ph.D., California-Berkeley, 2000, Visiting Scholar — Human Ecology, political ecology, community-based resource management, urban forestry, SE Asia, US

Pamela McElwee, Ph.D., Yale, 2003, Associate Professor — biodiversity, conservation, climate change, environmental change, political ecology

Kathe Newman, Ph.D., City University of New York (CUNY), 2001, Associate Professor — urban politics, urban revitalization, gentrification and community development

Karl F. Nordstrom, Ph.D., Rutgers, 1975, Professor — coastal geomorphology and management, environmental restoration

Frank J. Popper, Ph.D., Harvard, 1972, Professor — land use, environmental and regional policy, natural resources management

Karen M. O'Neill, Ph.D., California-Los Angeles, 1998, Associate Professor — Environmental policy, water, state building, experts, organizations

Edward Ramsamy, Ph.D., Rutgers, 2001, Associate Professor — development, social theory, race, culture and identity, Southern Africa

Thomas Rudel, Ph.D., Yale, 1977, Distinguished Professor — Latin America, environment, development, land use

David Tulloch, Ph.D., Wisconsin-Madison, 1997, Associate Professor — geo-spatial technologies; environmental and land-use planning

Lyna Wiggins, Ph.D., California-Berkeley, 1981, Associate Professor — GIS, planning methods, computer applications in planning

Ming Xu, Ph.D., California-Berkeley, 2000, Associate Professor — ecosystem ecology, remote sensing, modeling

AFFILIATED FACULTY AND STAFF:

Michael Siegel, M.L.S., Rutgers, 1983, Cartographer

EMERITUS FACULTY:

Robert M. Hordon

Peter O. Wacker

NEW YORK

THE AMERICAN GEOGRAPHICAL SOCIETY

DATE FOUNDED: 1851

EXECUTIVE DIRECTOR: Dr. John Konarski III

FOR FURTHER INFORMATION ABOUT CAREER OPPORTUNITIES AND APPLICATION PROCEDURES

CONTACT: The American Geographical Society, 32 Court Street, Suite 201, Brooklyn, New York 11201. Telephone (718) 624-2212. Fax (718) 624-2239. E-mail: AGS@amergeog.org. Website: <http://www.amergeog.org>.

PROGRAMS AND RESEARCH FACILITIES: The American Geographical Society (AGS) produces publications by professional geographers that can be read by non-geographers as well as members of the discipline. A large portion of the work at AGS takes the form of Research and Special Projects. Every year AGS participates in research studies either as the primary organization conducting the research or as a supporting organization of research under the direction of an AGS member or an AGS affiliated organization. In addition to original research, AGS has a commitment to supporting special projects such as conferences, lectures, publications, and other projects that help it fulfill its mission. Currently, some examples of AGS activities include: the highly regarded world-wide Bowman Expeditions, continued development of the World Standard Cartographic Representation, updating of the AGS Geographic Knowledge and Values Survey, continued recognition of geographical excellence through the highly prestigious AGS Medal/Awards program, Fliers and Explorers Globe signings, development of the AGS and MapStory Foundation Ambassador Network. AGS maintains archives (dating back to 1851) open to scholars; provides geographic information to U.S. and foreign media, government, and business on request. AGS also participates in cooperative ventures with the AGS Library (at the University of Wisconsin-Milwaukee). AGS offers a year round scholar-internship program to qualified applicants.

BASIC QUALIFICATIONS: Positions for geographers are available infrequently, depending on retirements, turnover, projects, and budgets. Specific job requirements will determine qualifications but a degree in Geography and excellent writing skills are recommended. Foreign language competence is welcome.

STAFF:

Peter G. Lewis, B.A. Columbia University, 1974, M.A., Temple University, 1977, Archivist, Book Review Editor *Geographical Review*

Maria V. Rosa, Operations Manager & Editor, *Ubique*
Timothy Heleniak, Director of Research

CONSULTANTS:

Thomas L. Bell, Ph.D., University of Iowa, 1973, Co-Editor, *FOCUS on Geography*

Margaret Gripshover, Ph.D., University of Tennessee, 1995, Co-Editor *FOCUS on Geography*

Bimal Paul, Ph.D., Ken State, 1987, Editor, *Geographical Review*

Max Lu, Ph.D., Indiana, 1996, Associate Editor *Geographical Review*

PUBLICATIONS:

Geographical Review, *FOCUS on Geography*, and *Ubique*

BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1945

GRADUATE PROGRAM FOUNDED: 1966

DEGREES OFFERED: B.A., M.A.

GRANTED 9/1/12-8/31/13: 30 Bachelors, 15 Masters

STUDENTS IN RESIDENCE: 105 Majors, 33 Masters

CHAIR: Norah F. Henry

DEPARTMENT SECRETARY: Maureen Truesdail

FOR FURTHER INFORMATION WRITE TO: Graduate Admissions, Binghamton University, P.O. Box 6000 Binghamton, New York 13902-6000. Telephone (607) 777-2151. Internet: www2.binghamton.edu/grad-school/. Geography Department (607) 777-2755. Fax (607) 777-6456. E-mail: mtruesda@binghamton.edu. Internet: geography.binghamton.edu. Graduate Program Director Mark Blumler, mablum@binghamton.edu

PROGRAMS AND RESEARCH FACILITIES: The M.A. degree in geography may be earned by following one of five tracks (a non-thesis option is available in all tracks):

Track 1: General Geography-This program provides disciplinary foundation along classical liberal arts lines that can lead to interdisciplinary work in areas such as racial/ethnic geographies, conservation, economic development, and international studies.

Track 2: Cartography and Geographical Information Systems-This program educates students as geographical spatial analysts, with emphasis on cartography, remote sensing, and geographic information systems. Among the essential components of the program are theory, research methods, and advanced statistics. The objective of this track is career preparation in the specified area. To fulfill this goal, practical experience obtained from internships and field research is integrated into the formal curriculum. This track also provides the option of pursuing the Ph.D. degree at many institutions.

Track 3: Environmental and Resource Management-This program educates students in physical environmental systems, with particular emphasis on the integration of the environmental and institutional aspects of planning. Among the essential components of this concentration are geographic techniques, environmental concerns, community involvement, and practical experience through internship programs. As with Track 2, graduates from this program might work for planning agencies or consulting firm, as well as pursue an advanced degree.

Track 4: Urban Planning and Applied Geography -This program encompasses urban analysis and planning, as well as retail geography, site selection and market analysis, with emphasis on the integration of the institutional, environmental and urban-economic aspects of both public and private planning. Essential components of the program are geographic techniques, urban development, retail geography, community involvement, GIS applications, seminars in urban planning, and practical experience through internship programs. As with Track 2, graduates from this program might work for corporations or agencies, or pursue an advanced degree.

Track 5: Race and Ethnicity-This program emphasizes the importance of race and ethnicity in the socio-political-cultural environments of native and immigrant groups. Spatial settlement patterns, ethnic enclaves and dispersions and changes in the patterns permit students to learn historic and contemporary dimensions.

A list of employment of recent students is available upon request. Departmental facilities include Geographic Information Systems

(GIS), remote sensing/air photo, and physical geography labs. The GIS laboratory consists of 60 networked microcomputers and 19 GPS receivers. Digitizers, scanners, and plotters are also available. The Department also has a map library, classrooms, and research library. The Department publishes *Research in Contemporary and Applied Geography* annually. It also is the founder and provides national leadership in two conferences, "Race/Ethnicity and Place" and the "Applied Geography Conferences."

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: For information on admissions and financial aid, contact the Office of Admissions, PO Box 6000, Binghamton, NY 13902 (607-777-2171).

A number of options are available to students that major in geography. A "general" major is provided within a liberal arts context. Also, more specialized majors and minors are available in the areas of computer applications in human-environmental analysis, environmental and resource management, urban and regional planning, urban economic/retailing, race-ethnicity and place: American urban perspectives. Six courses are required for the minors. Ten courses are required for the major.

FIVE YEAR BA/MASTER'S PROGRAM: The program is designed for exceptional Binghamton University students who wish to complete both the BA and MA degrees in five years. Students in the program receive both degrees at the end of the program. The requirements for completion of the combined BA/MA degree are identical to those for completion of two separate degrees, however, because 16 credits of coursework taken for the master's degree (500 level courses) are taken while studying for the undergraduate degree, students are able to complete the course requirements for the BA in four years and the course requirements for the combined BA/MA degree in five years. By completing the BA requirements during the first four years, students are assured of the bachelor's degree if, for any reason, they do not complete the fifth year.

Graduate: Admission requirement: Bachelor's degree, or its equivalent, and a reasonable background in geography. The department may require up to five courses of undergraduate work without credit to make up undergraduate deficiencies. Graduate assistantships are offered. Teaching and research assistantships are available to qualified candidates. Scholarships to cover tuition are also awarded. Apply on-line at: www2.binghamton.edu/grad-school/.

FACULTY:

Mark A. Blumler, Ph.D., UC Berkeley, 1992, Associate Professor, Director of Graduate Studies — biogeography, conservation, early agriculture, environmental history

Joseph H. Butler, Ph.D., Columbia University, 1960, Professor Emeritus — economic geography, water resources

Chengbin Deng, Ph.D., University of Wisconsin-Milwaukee, 2013, Assistant Professor — remote sensing, GIS, cartography

John W. Frazier, Ph.D., Kent State, 1976, Professor and SUNY Distinguished Professor (also, Director of GIS Core Facility) — urban and racial/ethnic geographies, applied geography, applications of Geographic Information Systems

Milton Harvey, Ph.D., University of Durham, England, 1966, Research Professor — regional analysis, behavioral geography, methodology

Norah F. Henry, Ph.D., Kent State, 1976, Associate Professor and Chair — medical, social geography, Botswana project director

Shin-yi Hsu, Ph.D., UCLA, 1967, Professor Emeritus — cartography, remote sensing and GIS, East Asia

Florence M. Margai, Ph.D., Kent State, 1991, Professor — statistical analysis, environmental analysis, Africa, environmental health

Burrell E. Montz, Ph.D., University of Colorado, 1980, Professor Emerita — natural hazards, resource management/planning

Jay Newberry, Ph.D., Michigan State University, 2011, Assistant Professor — urban, race and ethnicity, immigration

Mark E. Reisinger, Ph.D., Indiana University, 2001, Associate Professor and Undergraduate Director — economic, urban planning, population and globalization
Richard R. Shaker, Ph.D., University of Wisconsin-Milwaukee, 2011, Assistant Professor — water resources, environmental planning, sustainability science, GIS
Eugene Tettey-Fio, Ph.D., Kent State, 1996, Associate Professor — GIS, retail geography, urban and racial/ethnic geographies
Nicolay P Timofeeff, Ph.D., Columbia University, 1967, Associate Professor Emeritus — physical geography, quantitative geography, computer graphics

ASSOCIATES:

Kevin Heard, MA Binghamton, 2002, Assistant Director of GIS Core Facility — GIS
Lucius S. Willis, MA Binghamton, 1982, Professional Staff — Computer Cartography, Geographic Information Systems

PART-TIME FACULTY:

Erin Heard, MA Binghamton, 2003, Adjunct Lecturer — Physical Geography
Gordon Sheret, MA, Binghamton, 1997, Adjunct Lecturer — GIS and computer programming
Mary Beth Willis, MA, Binghamton, 1983, Adjunct Lecturer — Urban Field Studies
Jennifer Yonkoski, MA, Binghamton, 2003, Adjunct Lecturer — Urban Planning

GRADUATE CENTER OF THE CITY UNIVERSITY OF NEW YORK

GEOGRAPHY PROGRAM IN EARTH AND ENVIRONMENTAL SCIENCES

DATE FOUNDED: 2003

GRADUATE PROGRAM FOUNDED: 2003

DEGREES OFFERED: Ph.D.

GRANTED 2012-2013: 8 Ph.D.

STUDENTS IN RESIDENCE: 58 Ph.D.

EXECUTIVE OFFICER (CHAIR): Cindi Katz

PROGRAM ADMINISTRATOR: Lina McClain

FOR FURTHER INFORMATION CONTACT: The Executive Officer, Earth and Environmental Sciences Program, The Graduate Center, City University of New York, 365 Fifth Avenue, New York, NY. 10016; Telephone 212-817-8240. Students interested in the program should consult the website: <http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Earth-and-Environmental-Sciences>

PROGRAMS AND RESEARCH FACILITIES: The Geography Program at the Graduate Center of the City University of New York is an exciting specialization within the Doctoral Program in Earth and Environmental Sciences, which was founded in 1985. The program provides an opportunity to pursue doctoral studies in geography in one of the world's largest and most dynamic metropolitan locations with a diverse interdisciplinary faculty based either full-time at the Graduate Center or holding joint appointments with the undergraduate and master's programs offered throughout the CUNY system, including Brooklyn, City, Hunter, John Jay, Lehman, and Queens Colleges, and the College of Staten Island. Geography faculty and students participate in a variety of interdisciplinary fields of study including American Studies, Women's and Gender Studies, Urban Studies, Urban Design and Planning, and Public Health. Students are permitted to combine courses from the Geography Specialization with those in

the Geosciences more generally. They are also encouraged to take courses in related disciplines — particularly those such as Anthropology, Environmental Psychology, Sociology, and Urban Studies — which house faculty affiliated with Geography at the Graduate Center. Our faculty and students are closely connected to various centers and institutes at the Graduate Center, including the Center for Place, Culture, Politics; the Center for Human Environments; the Center for the Humanities; the Academic Research Collaborative; the Institute for Research on the African Diaspora in the Americas and Caribbean; the Center for Research on Women and Society; and the Committee on Globalization and Social Change; as well as CUNY-wide initiatives such as the Science and Resilience Institute at Jamaica Bay, and the CUNY Institute for Sustainable Cities, among others.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID

Semester system.

Admission requirements: Interests in the field coincident with those of the Program faculty. Application requires transcripts, two letters of recommendation, personal statement detailing research interests, and GRE results. Potential applicants are welcome to contact Executive Officer, Professor Cindi Katz (212-817-8240 or ckatz@gc.cuny.edu); Chair of Admissions Committee, Professor Monica Varsanyi (212-237-8232 or mvarsanyi@jjay.cuny.edu), or Program Administrator, Ms. Lina McClain (212-817-8240 or lmcclain@gc.cuny.edu). Application deadline: December 15th.

Financial Aid: All admitted students will receive financial aid ranging from 5-year Tuition Awards to 5-year Graduate Center Fellowships, which provide students with tuition and \$25,000 each year for the first five years of study. The fellowship consists of a \$23,000 stipend in the Fall and Spring semesters, a \$2,000 summer research stipend, a graduate assistantship, a tuition award, and eligibility for low-cost individual or family NYSHIP health insurance. A variety of teaching and research fellowships are also available. Additional support is available through a number of competitive grants and fellowships for travel, research, and dissertation support. For more information please see: <http://www.gc.cuny.edu/Prospective-Current-Students/Current-Students/Financial-Assistance/Fellowships-and-Grants#sthash.mT7IIPqx.dpuf>.

FACULTY

Terence Agbeyegbe, Professor; Ph.D., University of Essex, UK — Energy and environmental economics; Hunter College, (212) 772-5405; tagbeyeg@hunter.cuny.edu
Sean C. Ahearn, Professor; Ph.D., University of Wisconsin, Madison — Remote sensing, environmental assessment; Hunter College, (212) 772-5327; sahearn@hunter.cuny.edu
Jochen Albrecht, Associate Professor; Ph.D., University of Vechta, Germany — Geographic Information Science; Hunter College, (212) 772-5221; jochen@hunter.cuny.edu
Thomas Angotti, Professor; Ph.D., Rutgers University — Urban planning and community development, environmental justice; Hunter College, 212-650-3130, tangotti@hunter.cuny.edu
Stefan Becker, Professor, Dr. rer. nat., Justus-Liebig University-Giessen — Regional impacts of climate change, severe weather, and atmospheric pollution; Lehman College, 718 960-1120, Stefan.becker@lehman.cuny.edu
James J. Biles, Associate Professor; Ph.D., Michigan State University — Development theories and policies, globalization and development, economic geography, Latin American Studies, work and labor; City College, (212) 650-5969; jbiles@ccny.cuny.edu
Jean Carmalt, Assistant Professor, Ph.D., University of Washington & J.D. Cornell University School of Law — Law and Geography, international law, economic and social rights, political ecology of disasters; John Jay College, (212) 237-8195; jcarmalt@jjay.cuny.edu

- Carson Farmer, Assistant Professor, Ph.D., National University of Ireland, Maynooth* — Geocomputation, Transportation, Spatial Analysis, Urban Systems; Hunter College, (212) 650-3534; carson.farmer@hunter.cuny.edu
- Allan Frei, Professor; Ph.D., Rutgers University* — Climatology and global climate change; Hunter College, (212) 772-5322; afrei@hunter.cuny.edu
- Vinay Gidwani, Adjunct Professor; Ph.D., University of California, Berkeley* — Post-socialism and justice; labor geographies; Marxism; identity politics and subaltern social movements; geographies of work; agroecological transformations; social theory; India; Department of Geography, University of Minnesota, (612) 625-1397; vgidwani@geog.umn.edu
- Ruth W. Gilmore, Professor; Ph.D., Rutgers University* — Race and gender, labor and social movements, prison, uneven development, politics and culture, California, the U.S., the African Diaspora; Graduate Center, (212) 817-8251; rgilmore@gc.cuny.edu
- Hongmian Gong, Professor; Ph.D., University of Georgia* — Urban geography, Geographic Information Systems; Hunter College, (212) 772-4658; gong@hunter.cuny.edu
- Kenneth Gould, Professor; Ph.D., Northwestern University* — Environmental sociology, ecotourism and development, ecodisasters; Brooklyn College, (718) 951-5000 x1765; kgould@brooklyn.cuny.edu
- Jean Grassman, Associate Professor; Ph.D., University of California, Berkeley* — Occupational and environmental health; Brooklyn College, (718) 951-5000 x2752; grassman@brooklyn.cuny.edu
- Roger A. Hart, Professor; Ph.D., Clark University* — Children's environments, child friendly cities, participatory action research; Graduate Center, (212) 817-1887; rhart@gc.cuny.edu
- David Harvey, Distinguished Professor; Ph.D., St. Johns College, Cambridge, England* — Geography and social theory, urban political economy and urbanization; Graduate Center, (212) 817-7211; dharvey@gc.cuny.edu
- Mohamed Ibrahim, Assistant Professor; Ph.D., University of Alberta, Canada* — Drought management and North African ecosystems; Hunter College, (212) 772-5267; mibrahim@hunter.cuny.edu
- Peter Kabachnik, Associate Professor; Ph.D., UCLA* — Geographies of displacement; conceptualizations of place, space and mobility; racialization, social exclusion of Gypsies and Travelers; critical geopolitics; Abkhazian identity construction; College of Staten Island, (718) 982-2916; Peter.Kabachnik@csi.cuny.edu
- Cindi Katz, Executive Officer and Professor; Ph.D. Clark University* — Production and reproduction of space, place and nature, critical social theory, qualitative methodology and the politics of research, social reproduction and everyday life, children and the environment, political ecology; Graduate Center, (212) 817-8728; ckatz@gc.cuny.edu
- Carsten Kessler, Assistant Professor; Ph.D., University of Munster, Germany* — Link data and semantic web, volunteered geographic information, emergency management, geospatial semantics; Hunter College, (212) 650-6472; carsten.kessler@hunter.cuny.edu
- Yehuda L. Klein, Associate Professor; Ph.D., University of California, Berkeley* — Environmental economics and policy, environmental justice, urban sustainability; Graduate Center, (212) 817-8240; yklein@gc.cuny.edu
- Tammy L. Lewis, Professor; Ph.D., University of California, Davis* — Sustainability; transnational social movements; globalization; service learning; Brooklyn College, (718) 951-5000 x1786, tlewis@gc.cuny.edu
- Setha Low, Professor; Ph.D., University of California, Berkeley* — Anthropology of space and place; cultural aspects of design; housing and community development, gated communities and 'landscapes of fear'; ecology and nature; urban anthropology; qualitative methods; historic/cultural preservation; CUNY Graduate Center, (212) 817-8725, slow@gc.cuny.edu
- Juliana Maantay, Professor; Ph.D., Rutgers University* — Environmental geography, Geographic Information Systems; Lehman College, (718) 960-8574, juliana.maantay@lehman.cuny.edu
- Elia Machado, Assistant Professor; Ph.D., Clark University* — GIS and spatial analysis, global environmental change and vulnerability assessment, remote sensing; Lehman College, (718) 960-1130, elia.machado@lehman.cuny.edu
- Peter J. Marcotullio, Professor; Ph.D., Columbia University* — urbanization and global change, urban environmental planning, urban Asia Pacific, urban transitions; Hunter College, (212) 772-5264, peter.marcotullio@hunter.cuny.edu
- Andrew Maroko, Assistant Professor; Ph.D., CUNY Graduate Center* — GIS and geo-spatial statistics with applications to environmental health and environmental justice; integration of GIS, remote sensing, spatial analysis and modeling; impacts of exposure, built- and social-environments on public health; Lehman College, (718) 960-7452, Andrew.Maroko@lehman.cuny.edu
- Michael Menser, Assistant Professor, Ph.D., CUNY Graduate Center* — Environmental philosophy, democratic theory, global ethics, social philosophy, participatory democracy and ecological sustainability/resilience; Brooklyn College, (718) 951-5570, mmenser@brooklyn.cuny.edu
- Ines A. Miyares, Professor; Ph.D., Arizona State University* — Population, social geography; Hunter College, (212) 772-5265/5443; imiyares@hunter.cuny.edu
- Wenge Ni-Meister, Professor; Ph.D., Boston University* — Remote sensing, biogeography; Hunter College, (212) 772-5321; Wenge.Ni-Meister@hunter.cuny.edu
- Rupal Oza, Associate Professor; Ph.D., Rutgers University* — Feminist geographical theory, Globalization and gender, gender and nationalism, globalization and labor migration, religious nationalism, regional specialization: South Asia and United States; Hunter College, (212) 650-3035; rupal.oza@hunter.cuny.edu
- Marianna E. Pavlovskaya, Professor; Ph.D., Clark University* — Urban, gender, Russia; Hunter College, (212) 772-5320; mpavlov@hunter.cuny.edu
- Jonathan R. Peters, Professor; Ph.D., CUNY Graduate Center* — Regional planning; road and mass transit financing; corporate and public sector performance metrics; capital costs and performance management; College of Staten Island, (718) 982-2958; jonathan.peters@csi.cuny.edu
- Deborah Popper, Professor; Ph.D., Rutgers University* — Rural studies, regional geography of the American West, The Buffalo Commons; College of Staten Island, (718) 982-2907, popper@mail.csi.cuny.edu
- Laxmi Ramasubramanian, Associate Professor; Ph.D. University of Wisconsin, Milwaukee* — Urban planning, participatory GIS, built environmental-human behavior interactions; Hunter College, (212) 772-5594; laxmi@hunter.cuny.edu
- John E. Seley, Professor; Ph.D., University of Pennsylvania* — GIS, urban planning; Graduate Center, (212) 817-8723; johnseley@gmail.com
- William D. Solecki, Professor; Ph.D., Rutgers University* — Environmental hazards, land use, urban sustainability; Hunter College, (212) 772-5268; wsolecki@hunter.cuny.edu
- Monica W. Varsanyi, Associate Professor, Ph.D., University of California, Los Angeles* — Migration and immigration studies, political geography and urban geography; John Jay College, (212) 237-8232; mvarsanyi@jjay.cuny.edu
- Sharon Zukin, Professor; Ph.D., Columbia University* — Consumer society and consumer culture, urban change and gentrification, arts and economic development, ethnic diversity; Brooklyn College, (718) 951-4639, zukin@brooklyn.cuny.edu

HOFSTRA UNIVERSITY

DEPARTMENT OF GLOBAL STUDIES AND GEOGRAPHY

DATE FOUNDED: 1935 (Geography), 2008 (Global Studies)

DEGREES OFFERED: B.A.

GRANTED 9/1/13-8/31/14: 39 Bachelors

MAJORS: 160

CHAIR: Dr Grant Saff

DEPARTMENT ADMINISTRATIVE ASST: Christine Kempski

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Grant Saff, Chairperson, Department of Global Studies and Geography, 130 Hofstra University, Hempstead, New York 11549-1300. Telephone (516) 463-5826. Fax (516) 463-6968. Internet: gsgeog@Hofstra.edu. World Wide Web: <http://www.hofstra.edu/geography>

PROGRAMS AND RESEARCH FACILITIES:

The Bachelor of Arts in Geography is offered by Hofstra's College of Liberal Arts and Sciences. The Department offers a wide selection of Geography courses, balancing offerings in thematic and regional Geography. Particular strengths are urban, economic, transportation, Latin American and Sub-Saharan Africa. The Department also offers a very popular semester length study abroad program in Europe, "*the European Odyssey*" that allows majors or minors to receive up to 15 s.h. of Global Studies and Geography credits while visiting ten or more European countries. The Department annually awards the Inaba Scholarship, of approximately \$5,000, to a major in the Department in their senior year. Selection is based on a combination of academic merit and financial need. This award is in addition to any other awards or financial aid that the student receives. The Department has an active chapter of GTU and a thriving student club, "*Get Global*." A fuller description of our activities, offerings and student outcomes can be found here.

We provide extensive Geographic Information Systems facilities and ArcView software is available for use by students and faculty on the Hofstra network and in our Department lab. The University Computing Center provides computing services to all students and faculty. All resident students have direct Internet access from their residence hall rooms and the campus, including our building, is wifi accessible.

Hofstra University, located in Hempstead (Long Island), 25 miles east of Manhattan, is very well placed to take advantage of the wealth of research and educational opportunities provided by the New York metropolitan area. Abundant internship opportunities for a majors and minors are available in the New York metropolitan area. The Department is located in Roosevelt Hall near the center of the 240 acre campus.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Requirements for admission are stated in the Hofstra Catalog. Our Department offers both a BA in Geography and a BA in Global Studies. Students may dual major in both programs. A B.A. in Geography entails a minimum of 30 semester hours in geography courses. 12 of the s.h. in geography courses must come from 100-level courses. Required courses: GEOG 1 (World Regional Geography), GEOG 2 (Human Geography), GEOG 60 (Introduction to GIS) and GEOG 191 (Seminar in Geographic Methodology). At least 6 s.h. must come from our topical course offerings and at least 6 s.h. from our regional offerings (see our website for detailed course information). We also allow up to 9 s.h. of selected global studies, geology, environmental systems and urban ecology courses to count toward the

30 s.h. required for the major in geography. A minor in Geography consists of the successful completion of 18 semester hours of geography, at least 9 s.h. in geography courses must come from 100-level courses. Required courses: GEOG 1, 2.

A B.A. Specialization in Global Studies requires a minimum of 33 semester hours in Global Studies. The detailed requirements and courses are listed on our website. Both of our programs offer ample opportunities for internships, directed studies and participation in Hofstra's extensive study abroad programs. Our Department also offers a Pre-Med B.A. in both Geography and Global Studies.

It is the goal of Hofstra University – a selective, midsized, private, coed institution – to enroll a freshman and transfer class of students from diverse backgrounds and locations, with varied interests and talents. Admission to Hofstra is selective. From a large and talented applicant pool, we have enough space in our freshman class to offer admission to only slightly more than 50 percent of those who apply. Level of proficiency places approximately 50 percent of the enrolled freshmen at the top 20 percent of their high school graduating class, with average SAT scores of our incoming freshmen being 1150. Average undergraduate class size is 21 students and the student-faculty ratio is 14 to 1. Hofstra offers a variety of scholarships based on academic performance as well as financial need. Financial assistance from Hofstra is renewable, based on criteria for each particular program. In 2013, the average financial aid package for First-time Full-time Freshman was \$25,833. Admissions requirements, university catalogs, financial aid and program information can be obtained by calling (516) 463-6600 or is available on Hofstra's website.

FULL-TIME GLOBAL STUDIES AND GEOGRAPHY FACULTY:

Zilkia Janer, Ph.D., Duke, 1998, Professor—Global Studies Program – Culture, food culture
Kari B. Jensen, Ph.D., Pennsylvania State University, 2007, Associate Professor—South Asia, political geography and cultural geography
Linda Longmire, Ph.D., CUNY, 1988, Professor—Global Studies Program – human rights, child labor, Europe
Jean-Paul Rodrigue, Ph.D., University of Montreal, 1994, Professor—Logistics, Transport and commercial geography, GIS, East and Southeast Asia
Grant Saff, Ph.D., Rutgers University, 1996, Professor—Urban geography, urban planning, economic geography, Southern Africa
James Wiley, Ph.D., Rutgers University, 1991, Professor—Economic geography, Latin America and the Caribbean

PART-TIME GEOGRAPHY FACULTY:

Maja Bovcon, Ph.D., Oxford (UK), 2012, Adjunct Assistant Professor—Africa
Hewan Girma, M.A., Fordham, 2006, Adjunct Instructor—Africa, development, urban, economic, medical
Edith Lotstein, Ph.D., Rutgers, 1990, Adjunct Assistant Professor—GIS, urban, environment, human
Ying Qui, Ph.D., Birmingham (UK), 2004, Adjunct Assistant Professor—Asia, economic geography, environment
Valerie Rizzuto, M.A., Hunter College (CUNY), 2012, Adjunct Instructor—Regional, physical, migration
Timothy Smith, E.D.D., Rutgers University, 1968, Adjunct Professor—Europe
Judith Tabron, Ph.D., Brandeis, 1999, Adjunct Assistant Professor—Global culture, popular culture

HUNTER COLLEGE-CUNY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1921

GRADUATE PROGRAM FOUNDED: 1985

DEGREES OFFERED: BA Geography, BA

Environmental Studies, MA Geography, BA/MA-TEP

Environmental Studies-Earth Science Education, MA-TEP Earth Science Education

CERTIFICATE OFFERED: Geographic Information Science (post-Baccalaureate)

GRANTED 9/1/12-8/31/13: 45 Bachelors; 12 Masters; 14 Certificates

STUDENTS IN RESIDENCE: 176 Majors, 35 Masters, 41 Certificates

CHAIR: Marianna Pavlovskaya

DEPARTMENT EXECUTIVE ASST: Dana G. Reimer

FOR FURTHER INFORMATION WRITE TO: Department of Geography, Hunter College-CUNY, 695 Park Ave., New York, NY 10065. Telephone (212) 772-5265. Fax (212) 772-5268. E-mail: geog@hunter.cuny.edu. Internet: www.geo.hunter.cuny.edu. A copy of the current graduate catalog can be found at <http://registrar.hunter.cuny.edu/subpages/collegecatalog.shtml>.

PROGRAMS AND RESEARCH FACILITIES:

The Hunter College Geography Program within the City University of New York (CUNY) is the largest and one of the most technologically advanced geography programs in the New York City metropolitan region. Concentrations are available in urban geography; population/immigration/ethnicity; geographic information science; sustainability; earth systems science; environmental policy; and geographic and environmental education. Through integration of content knowledge, applied skills, and internships, our graduates find employment in both the public, private, and non-profit sectors.

At the undergraduate level, students may major in four tracks in geography (Urban and Social Geography, Physical and Environmental Geography, Geographic Information Science, and Sustainability Studies), environmental studies, or select options within the geography major that prepare them for temporary certification in New York State to teach social studies at grades K-12. The interdisciplinary major in environmental studies allows students to focus on environmental policy and management or earth system science. Students may also complete a five year combined BA/MA program in Environmental Studies and Adolescent Education-Earth Science. This accelerated program is designed for highly qualified environmental studies majors who, by their sophomore year, decide to pursue a career in teaching earth science. In addition to comprehensive programs in residence, the department offers field courses in geography and environmental science in Hawai'i, Argentina, and the Catskills.

The MA program in geography emphasizes geographic theory, skills, and analytical methodologies in social, physical, and environmental geography, as well as geographic information science. A very limited number of research, teaching, and college assistantships are available. The MA degree can be completed through either a thesis or a non-thesis option. Full-time students may be able to complete the MA within three semesters, but the average time for degree completion is three years. Many courses are offered in the evening to accommodate part-time and working students. A 15-credit post-baccalaureate Certificate Program in Geographic Information Science was established in 2001 to meet the demand for people with expertise in GIS. While separate from the MA in Geography, graduate students may complete the GIS certificate concurrently, with specific course credits used to satisfy the requirements of both programs. In cooperation with the School of Education, an M.A. Program for the

Preparation of Teachers of Earth Science is offered. Upon completion of the program the student is certified to teach earth science (grades 7-12) in NY State.

The department participates in the doctoral program in Geography at the CUNY Graduate Center, part of the Earth and Environmental Sciences Ph.D. program. Inquiries about the PhD program should be made to the Executive Officer at (212) 817-8240 or e-mail: ckatz@gc.cuny.edu.

The department is affiliated with the New York Geographic Alliance. It has taken steps in encouraging the participation of minority students in the profession and in returning geography to prominence in the curriculum of the NYC public school system through its outreach programs.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. Students interested in any of the Geography degree programs at Hunter should check the department's website at www.geo.hunter.cuny.edu. Those wishing a copy of the Hunter College Catalog or information regarding financial aid should contact the Welcome Center (212) 650-3336. Program catalogs can be viewed online at <http://registrar.hunter.cuny.edu/subpages/collegecatalog.shtml>.

Application deadlines for graduate programs are April 1 and November 1 annually. To be considered for financial aid, completed applications must be received before February 28. Web site: www.hunter.cuny.edu/finaid/graduate.html.

FACULTY:

Sean C. Ahearn, Ph.D., Wisconsin, 1986, Professor and Director, CARS Laboratory, GIS Certificate Adviser — GIS, remote sensing, digital image processing, natural resources, habitat studies

Jochen Albrecht, Ph.D., Vechta (Germany), 1995, Associate Professor — geographic information science, GIS applications, change modeling, simulation, quantitative methods, Europe

Frank S. Buonaiuto, Jr., Ph.D., 2003, SUNY-Stony Brook, Associate Professor and Environmental Studies Adviser — oceanography, coastal processes, numerical modeling of waves, tides and sediment transport

Carson J.Q. Farmer, Ph.D., Assistant Professor and Associate Director, CARS Laboratory — GIScience, geocomputation, spatial analysis, urban environments, commuting/transportation

Allan Frei, Ph.D., Rutgers, 1997, Professor and Deputy Director, CUNY Institute for Sustainable Cities, Graduate Adviser — climate change, snow and water resources, modeling

Hongmian Gong, Ph.D., Georgia, 1997, Associate Professor and Graduate Advisor — urban, GIS applications, quantitative analysis, China

Mohamed Ibrahim, Ph.D., Alberta, 1985, Assistant Professor — environmental studies, resource management, sustainable development, Africa, rural water supply and sanitation

Carsten Kessler, Ph.D., Münster (Germany), 2010, Assistant Professor and Associate Director, CARS Laboratory — Geographic information science, geospatial semantics, linked data, semantic web, volunteered geographic information, emergency management

Teodosia Manecan, Ph.D., Bucharest, 1985, Lecturer — petrology, mineralogy, historical geology, field geology, geology of U.S., environmental geology, economic geology

Peter J. Marcotullio, Ph.D., Columbia, 1996, Associate Professor — urban environmental change, globalization and urban development, urban growth and environmental transitions, ecosystem approaches to urban and regional environmental planning, impacts of urbanization on the environment, Asia-Pacific region.

Ines M. Miyares, Ph.D., Arizona State, 1994, Professor and Chair — population, immigration, ethnicity, Latin America, Hawai'i

Wenge Ni-Meister, Ph.D., Boston University, 1997, Associate Professor — remote sensing, land-atmosphere interaction, meteorology and climatology, biogeography
 Rupal Oza, Ph.D., Rutgers, 1999, Associate Professor — feminist theory, globalization, gender studies
 Mariana Pavlovskaya, Ph.D., Clark, 1998, Chair and Associate Professor — urban and feminist geography, social theory, post-Soviet space, critical GIS, GIS applications, urban political ecology
 Randy Rutberg, Ph.D., Columbia, 2000, Assistant Professor — paleoclimatology, oceanography, geochemistry, environmental science, environmental public policy
 Haydee Salmun, Ph.D., Johns Hopkins, 1989, Associate Professor and Environmental Studies Adviser — oceanography, global climate, environmental fluid dynamics, atmosphere — oceans interface
 William Solecki, Ph.D., Rutgers, 1990, Professor and Director, CUNY Institute for Sustainable Cities — urban environmental change and management, land use and land cover studies, hazards, GIS applications

AFFILIATED AND LONG-TERM ADJUNCT FACULTY:

Saul B. Cohen, Ph.D., Harvard, 1955, University Professor Emeritus and Regent of the State of New York — political geography, Middle East and Israel, geography and psychology, international development, geographic education
 Jack Eichenbaum, Ph.D., Michigan, 1972, Adjunct Associate Professor — urban, real estate research, geography of NYC area
 Anthony Grande, M.S.Ed., Catholic University of America — general geography, geographic education, regional geography of NYS
 Roger A. Hart, Ph.D., Professor, Environmental Psychology Ph.D. Program, CUNY Graduate Center
 Charles Heatwole, Ph.D., Michigan State, 1974, Professor and Undergraduate Geography Adviser — geographies of culture, recreation, and religion, geographic education
 Cindi Katz, Ph.D., Professor and Head, Environmental Psychology Ph.D. Program, CUNY Graduate Center
 Faye Melas, Ph.D., CUNY, 1980, Adjunct Assistant Professor — carbonate sedimentology, geoscience education
 Shruti Philips, Ph.D., CUNY, 1999, Adjunct Assistant Professor — sedimentary geology, carbonate diagenesis, marine geology
 John Seley, Ph.D., Professor, Environmental Psychology Ph.D. Program, CUNY Graduate Center
 Henry Sirotin, M.A. Hunter College-CUNY, 2006, Adjunct Lecturer — Eurasia, Europe, East Asia, intelligence studies, geopolitics
 Karl Szekielda, Ph.D., Marseille, 1967, Research Professor — remote sensing, oceanography, marine resources
 Douglas A. Williamson, Ph.D., CUNY, 2003, Adjunct Assistant Professor — GIS applications, spatial aspects of crime.

For a complete list of current adjunct teaching faculty:
www.geography.hunter.cuny.edu.

TECHNICAL AND SUPPORT STAFF:

Amy Jeu, M.G.I.S., Minnesota — College Geoscience Technician
 Nguyen Ngoc Nguyen, B.S., CUNY — WindowsNT Systems Administrator
 Dana G. Reimer, M.A., Hunter College — Chief administrative officer and Assistant to Chair
 Martha Taylee, Administrative Assistant
 Thomas B. Walter, M.A., Miami (Ohio) — Research Associate, UNIX/LINUX Systems Administrator and Undergraduate Geography Adviser

ONONDAGA COMMUNITY COLLEGE

DEPARTMENT OF SOCIAL SCIENCE/PHILOSOPHY

DATE FOUNDED: 1962

DEGREES OFFERED: A.A., A.S.

CHAIR: Nina Tamrowski, 2014; Arnaud Lambert, 2015

DEPARTMENT ADMINISTRATIVE ASST: Cheryl Langdon

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Office of the President, Onondaga Community College, 4585 West Seneca Turnpike, Syracuse, NY 13215; email: occinfo@sunyocc.edu

GEOGRAPHY COURSES: Introduction to Geography, Economic Geography, Geography of the United States, Global Sustainability

ADMISSION REQUIREMENTS AND FINANCIAL AID:

Director of Admissions, Onondaga Community College, Syracuse, NY 13215; email: occinfo@sunyocc.edu

GEOGRAPHY FACULTY:

Leonard Pyzynski, M.A., Ball State University, Adjunct Professor of Geography — North America, Europe, Economic Geography, Environmental Geography

STATE UNIVERSITY OF NEW YORK, BUFFALO STATE

DEPARTMENT OF GEOGRAPHY AND URBAN PLANNING

DATE FOUNDED: 1965

DEGREES OFFERED: B.A., B.S.

GRANTED 8/31/12-8/31/13: 19 Bachelors

CHAIR: Kelly M. Frothingham

DEPARTMENT ADMINISTRATIVE ASST: Patty Korta

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Kelly M. Frothingham, Department of Geography and Planning, SUNY Buffalo State, 1300 Elmwood Ave., Buffalo, New York 14222-1095. Telephone (716) 878-6216. Fax (716) 878-4009. E-mail: frothikm@buffalostate.edu. Internet: <http://geography.buffalostate.edu/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department offers two undergraduate degrees, a B.A. in Geography and a B.S. in Urban-Regional Analysis and Planning (Urban Planning). The Geography B.A. has three concentrations: Meteorology and Climatology; Watershed and Ecosystems; Economic Geography and Development; and GIS. The Urban Planning B.S. emphasizes the applied aspects of physical land use planning and planning for sustainable communities. Coursework in GIS is emphasized in both programs and the Department maintains two well-equipped computer labs to support GIS and other computer-intensive courses. Qualified students are provided ample opportunity for internships with local agencies and consulting firms and independent research.

The Department's environmentally-oriented undergraduate programs are supported by collaboration with SUNY Buffalo State's Great Lakes Center (GLC). The GLC maintains a large aquatic research field station on Lake Erie and field work is supported with a fleet of

boats for activities, such as water quality sampling. Department faculty members also advise and supervise master's students in the GLC's Great Lakes Ecosystem Science (GLES) programs (M.A. and M.S.). Both GLES programs are interdisciplinary environmental science programs with a required GIS component. The M.A. is a traditional thesis-based program that prepares graduates for advanced research, professional employment, or study at the Ph.D. level. The M.S. is a Professional Science Master's (PSM) program that enhances the environmental science curriculum with coursework in project management and business and technical communication. Students in the M.S. also intern with environmental agencies and graduates of the program are prepared to provide a leadership role as they address a wide range of problems and issues related to the management of resources within the Great Lakes and surrounding watersheds.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester plan. The Department accepts all students admitted to BSC. All financial aid and scholarship assistance is provided at the College level. All applicants should apply to the Admissions Office, SUNY Buffalo State, 1300 Elmwood Ave., Buffalo, NY 14222.

FULL-TIME FACULTY:

Kelly M. Frothingham, Ph.D., University of Illinois, 2001, Associate Professor — physical geography, fluvial geomorphology, watershed planning, stream assessment
Camille A. Holmgren, Ph.D., University of Arizona, 2005, Associate Professor — physical geography, Quaternary paleoecology, paleoclimatology, biogeography, global change
Kim N. Irvine, Ph.D., McMaster, 1989, Professor — physical geography, hydrology, urban watersheds, environmental analysis and management, quantitative methods
Jason C. Knight, Ph.D., AICP, University at Buffalo, 2013, Assistant Professor — urban and land use planning, housing and real estate, planning methods, urban geography
Wende Mix, Ph.D., University at Buffalo, 1987, Associate Professor — transportation planning, urban geography, GIS
Tao Tang, Ph.D., Wisconsin-Milwaukee, 1997, Associate Professor — GIS, remote sensing, physical and environmental geography
Vida Vanchan, Ph.D., University at Buffalo, 2006, Associate Professor — economic geography, industrial competitiveness, development, international trade, multicultural management and negotiation
Stephen J. Vermette, Ph.D., McMaster, 1988, Professor — meteorology, climatology, air quality, field methods
Veryan G. Vermette, M.S., McMaster, 1986, Lecturer — physical geography, human geography, urban geography, geography of Europe
William F. Wieczorek, Ph.D. University at Buffalo, 1988, Research Professor — health and human services geography, GIS, spatial analysis, research methods

PART-TIME FACULTY:

James R. Bensley, M.U.R.P., AICP, Virginia Polytechnic, 1988, Lecturer — urban planning, land use planning, physical development
Scott Pickard, M.S., SUNY Buffalo State, 1996, Lecturer — environmental science, environmental impact assessment
Mary Rossi, M.S., SUNY Buffalo State, 1998, Lecturer — New York State geography, physical and urban geography

TECHNICAL STAFF:

Mary Perrelli, M.A., University at Buffalo, 1999, GIS Laboratory Manager and Lecturer — GIS, physical and environmental geography

STATE UNIVERSITY OF NEW YORK-COLLEGE AT GENESEO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 24 Bachelors

MAJORS: 85

CHAIR: David Robertson

DEPARTMENT SECRETARY: Mary Kuhn

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography, State University College at Geneseo, 1 College Circle, Geneseo, New York 14454. Telephone (585) 245-5238. Fax (585) 245-5180. Internet: robertsd@geneseo.edu, or Admissions Office, State University College at Geneseo, 1 College Circle, Geneseo, New York 14454. Telephone (585) 245-5571.

PROGRAMS AND RESEARCH FACILITIES:

The Geography degree program is broad in nature requiring courses in Human Geography, Physical Geography, Regional Geography and Geotechniques. The Environmental Studies and Urban Studies minors are administered by the Geography Department. Study abroad, internships, and active research participation with faculty members are encouraged. Facilities include a state-of-the-art GIS and Physical Geography labs.

Geneseo's Geography Department has maintained a high standard of quality. Approximately 50 percent of graduates go on to graduate programs in geography and are usually awarded research or teaching assistantships. The majority of graduates find employment with local, state, and federal governmental agencies or with private firms.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Freshman applicants must have a high school diploma and should submit SAT or ACT scores. All applicants, including transfer students, are encouraged to contact the Department of Geography, and should apply directly to the Admissions Office, State University College, Geneseo, New York 14454.

Federal and State financial assistance programs, and scholarships, are available for qualified undergraduate students.

FACULTY:

David Aagesen, Ph.D., U. of Minnesota, 1998, Associate Professor — Latin America, resource management, environmental
Colleen Garrity, Ph.D., Arizona State U., 2007, Assistant Professor — climate, GIS, geovisualization
James Kernan, Ph.D., West Virginia University, 2009, Assistant Professor — physical, biogeography, GIS
Darrell A. Norris, Ph.D., McMaster, 1976, Professor — historical, developing world, Pacific Rim, cultural landscape, political, trade area analysis
David Robertson, Ph.D., U of Oklahoma, 2000, Associate Professor and Chair — cultural, historical, environmental, Canada
Jennifer Rogalsky, Ph.D., U of Tennessee, Knoxville, 2006, Associate Professor — urban, developing world, GIS
I. Ren Vasiliev, Ph.D., Syracuse, 1996, Professor — cartography, cultural, United States

SYRACUSE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1931

GRADUATE PROGRAM FOUNDED: 1926

DEGREES OFFERED: B.A., M.A., and Ph.D.

GRANTED 9/1/12-8/31/13: 25 Bachelors, 6 Masters, 4 Ph.D.

STUDENTS IN RESIDENCE: 50 Majors, 15 Masters, 13 Ph.D.

NOT IN RESIDENCE: 4 Masters, 9 Ph.D.

CHAIR: Jamie Winders

DEPARTMENT ADMINISTRATIVE ASST: Margie M. Johnson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair of Graduate Committee, Department of Geography, 144 Eggers Hall, Syracuse University, Syracuse, New York 13244-1020. Telephone (315) 443-2605. Fax (315) 443-4227. E-mail: geography@maxwell.syr.edu. Internet: www.maxwell.syr.edu/geo/.

PROGRAMS AND RESEARCH FACILITIES:

The Syracuse University Department of Geography is characterized by dynamic scholarship and teaching that builds on almost a century of distinguished achievement. Our location within the nation's top school of public policy, the Maxwell School, ensures that geographers can address both the real-world policy implications and the scholarly meaning of their research. Interdisciplinary links are not limited to the Maxwell School, however as both faculty and students draw on the intellectual resources of the College of Arts and Sciences (of which we are also part), the University at large, and the adjacent campus of the SUNY College of Environmental Science and Forestry.

The expertise and research foci of department members span a range of topics in human, environmental, and physical geography, and in geographic information and analysis that are applied in a wide array of regions, places and landscapes. Recent graduate students have conducted field research in the Caribbean, Central and South America, Europe, South, Southeast and East Asia, and Southern Africa, as well as across North America.

Prospective students will find opportunities to develop an array of research skills and to study and conduct research with faculty in the following areas:

Culture, Justice, and Urban Space: Syracuse geographers join the study of urban landscapes, politics, and processes to broader struggles for racial and gender equality, social justice, and political transformation. Through projects that range from constructing urban geographies of memory to examining new spatial strategies of immigrant inclusion and exclusion in various places, our faculty draw on a variety of methodological and theoretical perspectives, particularly social theory, to interrogate the production of urban spaces and experiences.

Environmental Science and Landscape Dynamics: Physical geographers at Syracuse University focus on spatial and temporal aspects of environmental science, with the aim of clarifying the dynamic processes that shape the earth's landscapes. Faculty conduct research in four broad areas: human and natural disturbance impacts on riparian habitats and forest ecosystems; development of field and analytic techniques for examining recent and Pleistocene environmental change; processes and implications of sediment transport in rivers; and climate-land-surface interactions. Graduate students have use of our newly renovated Physical Geography Research Laboratory, which is equipped for a variety of soil and sediment analyses, and includes a Sedigraph 5120 for particle size analysis.

Gender, Identity and Citizenship: At Syracuse, geographers study gendered spaces of everyday life as sites of oppression and resistance where identities are made and re-made across the landscape. We examine the gendering of geopolitical relationships that structure human migration, labor practices in the global economy, gender and the city, memory, social justice, historical geography, feminist methodologies, and other critical standpoints from which to study men's and women's places in the world. Central to each of these themes is a re-working of the concept of citizenship.

Geographic Information Technology: Faculty in the Geospatial Information, Analysis and Modeling focus have a range of research and teaching interests, including cartography, applications and methods in geographic information technologies (i.e., geographic information systems, computer cartography, remote sensing, multimedia), spatial analysis and modeling, hydrological and ecosystem modeling, and participatory geographic information systems. Faculty and graduate students conduct research on a range of key societal and environmental issues, with recent topics including geospatial surveillance technologies; modeling channel migration; applications of satellite remote sensing to studies of tropical forest structure, demography, and multiple-use tree species; and participatory GIS mapping of community concerns. Faculty and students involved with the Syracuse Community Geography Program use GIS and other geospatial technologies in partnership with members of the Central New York community to map and spatially analyze a wide variety of social justice topics. Graduate students train and conduct research in both our *Geographic Information and Analysis Laboratory* and the *Integrated Spatial Analysis Laboratory*, funded by a Major Research Instrumentation grant from NSF.

Globalization and Regional Development: At Syracuse, geographers research the relationship between flows and networks of activity, interaction and power that are producing an increasingly interconnected world, and the historical and geographical contexts within which the lives of people and places are transformed. By focusing on globalization processes, we examine the complex, and often contradictory, mechanisms through which flows of capital, people, information and knowledge are sped-up, spread-out, and made more intensive. By focusing on development, we pay particular attention to the inequalities created by these flows among groups and in spaces and places that have been historically marginalized or subject to control within national and international systems.

Nature, Society, Sustainability: Nature-society scholarship at Syracuse University includes land-use and land-cover change in tropical forests using remotely sensed data, environmental history of western North America, the political ecology of rural livelihoods in Andean South America, and the environmental impacts of the mining industry. Syracuse geographers also study sustainable development, nature conservation and protected areas, forest fire dynamics and management, environmental mapping and its societal impacts, media coverage of environmental issues, and human impacts on climate, vegetation and landform processes.

Political Economy: Syracuse geographers understand political economy to be a social relationship. This social relationship is deeply geographical: our research starts from the understanding that social relations, social struggles, and social justice are all intricately related to the ways that political-economic processes are imbricated in and transformed through spatial relationships. In addition to understanding the relationship between political economy and geography, we seek to understand the relationship political economy and gender; political economy and labor; political economy and the restructuring of places and regions; political economy and culture. In all of these, we want to understand how space, place, region, and scale structure and restructure political economic processes, even as the processes restructure space, place, region, and scale.

Within the Maxwell School, the department has links with numerous interdisciplinary programs and centers: International Relations; Gender and Globalization; Interdisciplinary Statistics Program;

interdisciplinary Social Science; Center for Policy Research; Center for Environmental Policy and Administration; Moynihan Institute of Global Affairs; Institute for the Study of the Judiciary, Politics and the Media; Program for the Advancement of Research on Conflict and Collaboration; Syracuse Social Movements Initiative; and the South Asia Center. A notable opportunity is the concurrent master's degree in **Geography** and the nationally top-ranked **Public Administration** program. This concurrent degree provides an outstanding training for a public sector career. (58 credit hours are required; information upon request.) Study in the critical development geography and physical geography/environment clusters are supported by courses and research opportunities in Syracuse University's Departments of Civil and Environmental Engineering, Biology, and Earth Sciences and also at the neighboring SUNY College of Environmental Science and Forestry. The department is a founding member of the UCGIS, University Consortium for Geographic Information Science.

Faculty and graduate student offices, the department's Preston E. James Library, and the Geographic Information and Analysis Laboratory are in a centrally located building, Eggers Hall, within easy reach of libraries (the collection of over two million volumes has extensive hardcopy and electronic holdings for geographic research), the Physical Geography Laboratory, the Integrated Spatial Analysis Laboratory, and the Cartographic Laboratory which provides support for teaching and research. The Eggers complex is fully networked for wireless computing and communication; possesses advanced telecommunications technology for global and national communication, exchange, and learning.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: A student may enter the undergraduate geography program once accepted into the College of Arts and Sciences; a major program of study must be chosen by the junior year. The geography major consists of a minimum of 33 credit hours (i.e., eleven courses). Having completed foundation work on human geography, nature-society relations, and physical geography, the student must choose at least six upper-division courses from an array of systematic and regional topics, as well as a course in geographic techniques. A senior-year seminar requirement ensures that the student pursues a particular research topic in some depth, and is able to present and justify his or her findings in both oral and written form. Simultaneous participation in the College's honors program is encouraged, and numerous possibilities exist for dual majors. There is also a minor in geography and in Environment and Society. For further information, contact Dr. Robert Wilson, Undergraduate Director (rmwilson@maxwell.syr.edu).

GRADUATE: Semester system. *Academic Plan:* the M.A. degree requires 30 credit hours, culminating in either a Master's thesis or two Master's papers, and a final oral examination; the choice of degree program will depend on the student's interests and academic objectives. Emphasis is placed on the acquisition of a range of research skills and methods that can be applied in a variety of career contexts and used in doctoral programs. The Ph.D. degree entails an additional 30 credit hours of courses both inside and outside the department, 12 credit hours of dissertation research, the writing of an approved dissertation proposal, the satisfactory completion of a combined written and oral qualifying examination, and finally, the successful completion and oral defense of the doctoral dissertation. Students wishing to enter the Ph. D. program should have a reasonably clear idea of dissertation plans to facilitate construction of a doctoral program of study. All applicants are encouraged to correspond with individual faculty regarding their special interest in any aspect of the Syracuse program in geography. *Admission:* The department does not subscribe to specific numerical criteria for evaluations of applications; minimum levels normally acceptable, however, for the undergraduate grade point average are about 3.0 (on a 4.0 basis). Samples of written work may be submitted on a voluntary basis (these cannot be returned) to help the department evaluate

applications on an individual basis. Applicants must submit transcripts, three letters of recommendation, a statement of intent, GRE scores on the Verbal, Quantitative, and Analytic Tests, and-if applicable-scores from the TOEFL. Prospective students are strongly recommended to take the GRE and TOEFL exams and to submit application materials as early as possible.

Financial Aid: Graduate Assistantships; University, McNair, and Watson Fellowships, DellPlain Assistantship in Latin American Geography, and various tuition scholarships and other awards are available on a competitive basis. Graduate assistantships include tuition and health care. Applications should be completed by January 5th to ensure full consideration for financial support. For further information, contact Dr. Susan Millar, Graduate Director (swmillar@maxwell.syr.edu).

FACULTY:

- Jacob Bendix, Ph.D., Georgia, 1992, Associate Professor, Adjunct Associate Professor, SUNY-ESF* — biogeography, geomorphology, human impacts on vegetation and land forms, media and environmental issues
- Peng Gao, Ph.D., University of Buffalo, 2003, Associate Professor* — Geographic information systems modeling, human impacts on physical environments, fluvial systems
- Matt Huber, Ph.D., Clark University, 2008, Assistant Professor* — Political economy of nature; energy
- Natalie Koch, Ph.D., University of Colorado Boulder, 2012, Assistant Professor* — Political geography, nationalism, geopolitics, post-Soviet Central Asia, Arab Gulf states, higher education, qualitative methods
- Susan W.S. Millar, Ph.D., Rutgers, 1995, Associate Professor and Graduate Director* — physical geography, periglacial geomorphology, microclimatology, Arctic environmental science
- Don Mitchell, Ph.D., Rutgers, 1992, Distinguished Professor of Geography, Director: People's Geography Project* — cultural, historical, labor, social theory, Marxist approaches to geography.
- Mark Monmonier, Ph.D., Pennsylvania State, 1969, Distinguished Professor of Geography* — Geographic information (technology, policy, and societal role), cartographic communication and map design, history of cartography in the 20th century, environmental mapping.
- Anne E. Mosher, Ph.D., Pennsylvania State, 1989, Associate Professor* — urban, historical, social geography, interdisciplinary theories of space and place
- Thomas A. Perreault, Ph.D., University of Colorado at Boulder, 2000, Professor* — political ecology, environment and development, social movements, Latin America
- Jane M. Read, Ph.D., Louisiana State, 1999, Associate Professor* — Geographic information systems, remote sensing, tropical environments, land use and land-cover change, Latin America
- Jonnell A. Robinson, Ph.D., University of North Carolina Chapel Hill, 2010, Assistant Professor* — Community Geography, Geographic Information Systems, Participatory GIS, Participatory Action Research Public Health Geography, Qualitative Research Methods
- David J. Robinson, Ph.D., London, 1967, DellPlain Professor of Latin American Geography* — Latin American development, colonialism, historical, the Internet
- Tod D. Rutherford, Ph.D., University of Wales at Cardiff, 1992, Professor* — economic restructuring, labor market change and policy
- Farhana Sultana, Ph.D., University of Minnesota, 2007, Associate Professor* — Environment and Development, Water Resources Management, Political Ecology and Natural Hazards, Feminist Theory
- John Western, Ph.D., UCLA, 1978, Maxwell Professor of Teaching Excellence* — social, cultural, urban, France, Southern Africa

Robert M. Wilson, Ph. D., University of British Columbia, 2003, Associate Professor and Director of Undergraduate Studies — Environmental historical geography, western U.S. and Canada, environmental policy

Jamie Winders, Ph.D., University of Kentucky, 2004, Associate Professor and Chair — race/ethnicity, urban/social geography, Latino migration, gender, US South, qualitative and historical research methods, social theory, Mexico

ADJUNCT FACULTY:

Sharon Moran, Ph.D., Geography, Clark University, 2000, Associate Professor, Environmental Studies, SUNY-ESF — environmental policy, nature-society relations, water and wastewater management, environmental issues in post-communist countries

John Stella, Ph.D., Environmental Science, Policy and Management, University of California, Berkeley, 2005, Associate Professor, SUNY-ESF — Department of Forest and Natural Resource Management — riparian ecology, ecosystem restoration, plant physiology, community dynamics

Beverly Mullings, Ph.D., McGill, 1996, Associate Professor, Queen's University, Department of Geography — international political economy, service industry development, gender and economic globalization in the Caribbean

EMERITI FACULTY:

David J. deLaubenfels, Ph.D., Illinois, 1953, Professor Emeritus — biogeography, urban physical environments, circum-Pacific

Robert G. Jensen, Ph.D., Washington, 1964, Professor Emeritus — regional development and urban policy in Russia, Russian resource development and East-West trade, Russia and independent states

Donald W. Meinig, Ph.D., Washington, 1953 Professor Emeritus — historical, cultural and social, landscape interpretation, North America

John Mercer, Ph.D., McMaster, 1971, Professor — comparative urbanization, urban housing, Canada

James L. Newman, Ph.D., Minnesota, 1968, Professor Emeritus — population, diet-nutrition, tropical Africa

UNITED STATES MILITARY ACADEMY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL ENGINEERING

DATE FOUNDED: 1802

DEGREES OFFERED: B.S.

GRANTED 08/01/12-08/31/13: 48 Bachelors of Geography

MAJORS: 100 Geographers; 264 total

CHAIR: Colonel Wiley C. Thompson, Ph.D.

DEPARTMENT ADMINISTRATIVE OFFICER: Ms.

Mary Ellen DeLuca Kreder

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: LTC Andrew Lohman, Geography Program Director, Department of Geography and Environmental Engineering, United States Military Academy, West Point, New York 10996-1695. Telephone (845) 938-2930. Fax (845) 938-3339. E-mail: Andrew.Lohman@usma.edu. Internet: <http://www.usma.edu/gene/SitePages/Home.aspx>.

PROGRAMS AND RESEARCH FACILITIES: The program is designed to provide a strong background in geography or environmental studies, allowing special emphasis in five major areas: human geography, environmental geography, environmental engineering, environmental science, and geospatial information science. Geography majors take 10 to 12 geography courses in

addition to the Academy's 30-course core curriculum (that includes a physical geography course). Furthermore, the Department offers program-specific capstone courses in Environmental Security, Military Geography, and Environmental Engineering Design. An honors program culminating in a research-based thesis is offered for qualified students. The Department offers a variety of summer enrichment programs which provide cadets the opportunity to obtain practical field experience in geography-related themes which can lead to individual research projects during the following academic year. Cadets have interned at federal agencies such as the National Oceanic and Atmospheric Administration, Environmental Protection Agency, Waterways Experiment Station, Air Force Global Weather Center, Cold Regions Research and Engineering Laboratory, Defense Intelligence Agency, Topographic Engineering Center, and National Aeronautics and Space Administration, and have participated in oceanic surveys, coastal hazard studies, desert environmental research, environmental audits of Army installations, and GIS-based studies. Additionally, cadets may participate in cultural immersion trips to locations such as Israel, Uganda, Ethiopia, and others. Cadets and faculty rely on research support from the new USMA library, which houses 500,000 volumes and 1,600 periodicals. The Department library, a branch of the USMA library, houses over 1,800 books, theses, atlases, and 21 journals. The Department of Geography and Environmental Engineering maintains the Academy's Geographic Sciences Laboratory, which includes twenty GIS and six photogrammetry workstations along with a new multi-media instructional facility. In addition, fully equipped laboratories support instruction and research in remote sensing/photogrammetry, environmental engineering, geology, geomorphology, and cartography. The Department is dedicated to remaining at the technological forefront in its areas of emphasis. The Department also houses the Center for the Study of Civil-Military Operations.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Application for admission and information concerning nomination for appointment may be obtained by contacting the Director of Admissions, United States Military Academy, West Point, New York, 10996. All students are members of the United States Army and as such receive salaries and pay no tuition for attendance.

FACULTY:

Matthew P. Baideme, M.S., Stanford, 2012, Instructor — environmental engineering

Adam R. Brady, M.S., Colorado School of Mines, 2012, Instructor — environmental engineering

John A. Brockhaus, Ph.D., Idaho, 1986, Professor — GIS, forestry, photogrammetry, remote sensing

Michael A. Butkus, Ph.D., Connecticut, 1997, Professor — environmental engineering

Jeremy C. Conner, M.S., Oregon State, 2013, Instructor — GIS

Curtis B. Edson, M.S., University of Wisconsin, 2002, Assistant Professor — GIS

Philip J. Dacunto, Ph.D., Stanford University, 2013, Assistant Professor & Academy Professor — environmental engineering

Steven D. Fleming, Ph.D., Georgia, 2004, Associate Professor (GIS) & Academy Professor — GIS, remote sensing, physical geography

Matthew C. Haith, M.S., Stanford University, 2012, Instructor — environmental engineering

Michael D. Hendricks, Ph.D., Maine, 2004, Associate Professor (GIS) & Academy Professor — GIS

Jay A. Ireland, M.S., Hawaii, 2013, Instructor (Geography) — critical geopolitics

Marie C. Johnson, Ph.D., Brown, 1990, Professor — geology, ecology, environmental science

Adam J. Kalkstein, Ph.D., Arizona State University, 2008, Assistant Professor (Geography) — climatology, physical geography

Richard L. Knox, M.A., Texas, 2013, Instructor (Geography) — geomorphology

Amy Krakowka, Ph.D., Boston University, 2005, Associate Professor (Geography) — physical geography, environmental geography, energy, environmental economics

Stephen A. Lewandowski, M.S., Harvard, 2011, Instructor — environmental science

Andrew D. Lohman, Ph.D., Illinois, 2009, Assistant Professor (Geography), Academy Professor, & Geography Program Director — human geography, political geography

Jon C. Malinowski, Ph.D., North Carolina-Chapel Hill, 1995, Professor (Geography) — cultural geography, environmental perception, geography of childhood, spatial behavior, Asia

Douglass Macpherson, M.S., Naval Postgraduate School, 2005, Instructor (Geography) — meteorology

Dylan W. Malcomb, M.S., Texas, 2012, Instructor (Geography) & Executive Officer — Africa, development, & environmental security

John M. Melkon, II, MPA, Texas A&M, 2005, Director, Center for the Study of Civil-Military Operations (CSCMO) — civil-military operations

James A. Metz, M.S., Penn State, 2012, Instructor (Geography) — geomorphology, geology, soils

Patrick G. Miller, M.A., Oregon, 2013, Instructor (Geography) — political geography, cultural geography, migration

Robert W. Nahabedian, M.S., Georgia Institute of Technology, 2013, Instructor — environmental engineering

Christopher E. Oxendine, Ph.D., George Mason, 2013, Instructor — GIS

Peter P. Siska, Ph.D., Texas A&M, 1995, Professor (Geography) — regional geography, GIS, physical geography, forestry, quantitative methods, Russia, Europe

Christian A. Robbins, M.S., Colorado State, 2012, Instructor — environmental engineering

Gavin D. Schwan, M.S., Texas, 2013, Instructor (Geography) — economic geography, Latin America

Mark A. Smith, Ph.D., Wisconsin - Madison, 2002, Assistant Professor & Academy Professor — environmental engineering, environmental science

Vladimir R. Sotosanchez, M.S., Clemson, 2012, Instructor — environmental engineering

Jeffrey A. Starke, Ph.D., Wisconsin - Madison, 2011, Associate Professor & Academy Professor — environmental engineering

Russell B. Thomas, Sr, M.S., Texas, 2012, Instructor — environmental engineering

Wiley C. Thompson, Ph.D., Oregon State, 2008, Department Head & Associate Professor (Geography) — environmental geography, hazards, physical geography, military geography,

Elizabeth A. Weaver, M.S., Cal State Long Beach, 2009, Instructor (Geography) — medical geography

Richard L. Wolfel, Ph.D., Indiana, 2001, Associate Professor (Geography) — cultural geography, Europe, Russia, political geography, social geography, quantitative methods

UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK

DEPARTMENT OF GEOGRAPHY AND PLANNING

DATE FOUNDED: 1966

GRADUATE PROGRAM FOUNDED: 1970

DEGREES OFFERED: B.A., M.A., AND M.R.P.

GRANTED 9/1/12-8/31/13: 48 Bachelors, 39 Masters

STUDENTS IN RESIDENCE: 118 Majors, 101 Masters

CHAIR: Catherine T. Lawson

ADMINISTRATIVE MANAGER: Marlene Z. Williams

DEPARTMENT SECRETARY: Lisa M. Baker

FOR CATALOG AND FURTHER INFORMATION VISIT

www.albany.edu/gp or contact Department of Geography and Planning, UAlbany-SUNY, Arts & Sciences 218, Albany, New York 12222. Telephone (518) 442-4636. Fax (518) 442-4742.

E-mail: lbaker@albany.edu or geog@albany.edu. Information on all of our programs is available on the website: <http://www.albany.edu>.

PROGRAMS AND RESEARCH FACILITIES:

The University is located in the historic city of Albany, capital of New York State, and at the heart of the Northeast, with easy access to New York City, Boston and Montreal. The New York Capital Region is an emerging center of high tech development, heritage tourism and cultural activity. Located by the Hudson River, Albany is close to the Catskill, Adirondack, Berkshire and Green Mountains and many wilderness, lake, trail and ski areas. A cooperative agreement gives UAlbany students opportunities for courses and library privileges at Union College, Rensselaer Polytechnic Institute (RPI), and several other area colleges and universities. The Department has close ties with local, regional and state agencies, and numerous undergraduate and graduate internship opportunities are available. Several of the faculty have strong international research programs, notably in China, Russia, Latin America and Africa. The Department is closely associated with the University's Lewis Mumford Center for Comparative Urban and Regional Research, and with its Urban China Research Network.

At the undergraduate level, the Department offers training in human geography (urban, economic development, cultural, population, environmental), physical geography and climatology, and spatial analysis (GIS, remote sensing, spatial statistics, cartography). An undergraduate degree option is also available in Urban Studies and Planning and Globalization Studies. Eligible students can pursue a combined B.A. /M.A. program in geography. Undergraduates can also earn a Certificate in Geographic Information Systems and Spatial Analysis.

The Department's graduate programs provide students with specialized training and preparation for careers in business, government, education, non-profit organizations and international development. The Master of Arts (MA) in Geography is a flexible degree program that accommodates a wide spectrum of coursework and research in such fields as: cultural and political geography; urban and economic geography; migration studies; transportation; physical geography; environmental analysis; climatology; GIS, remote and cartography; and spatial statistics and mathematical modeling. Complementary work in other departments is encouraged. Students in the MA program may select one of two options: the 30-credit thesis track, including completion of a substantial research project; or the 36 credit non-thesis track. In addition, the Department offers a 15-credit Graduate Certificate in GIS and Spatial Analysis, which may be completed separately or within the context of the MA program. The Department also offers a 48-credit Masters in Urban & Regional Planning (MRP), an accredited professional program. Specializations are available in: environmental and land use planning; housing, local economic development and community planning; and transportation

planning. Some students choose to work toward both the MA (geography) and MRP (planning) degrees. Departmental faculty participate in doctoral supervision for students with compatible interests through Ph.D. programs in Information Science, Sociology, and Earth and Atmospheric Sciences.

State of the art instructional and laboratory facilities are available to students. The GIS Lab runs a full complement of GIS, remote sensing, image processing and statistical software. The Remote Sensing and Image Analysis Labs contain workstations, peripheral devices and an extensive collection of air photography and satellite images. The Planning Studio offers dedicated project workspace and facilities for computer-aided design and production of technical reports. The Integrated Undergraduate Physical Geography Laboratory includes a Geochemistry Laboratory fully equipped for analysis of air, water and soil samples, and the Mohawk Climatological Observatory, with a professional Weather-Monitor meteorological station. The University Libraries have extensive holdings in geography and planning, and major collections are also available at the New York State Library.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Semester system. Admission is generally granted for the fall, spring, and summer sessions. Early, special, and transfer admissions are available. Financial aid includes New York State and federal awards, the Tuition Assistance Program, Regents College Scholarships, and other programs.

Graduate: The University operates on the semester plan, with additional summer sessions. Applications are received all year. Teaching assistantships and fellowships with stipends of at least \$4,500 each semester are available through the Department. Research assistantships are commonly available through federal, state, and foundation grants and contracts to faculty members. Current sources include the National Science Foundation, and several New York State agencies. Outstanding opportunities also exist for paid internships with New York State agencies, normally for students who have completed at least one semester of work in the Department. Most assistantships and fellowships, and many paid internships, provide for remission of tuition. Limited financial support during the summer is available on a competitive basis. Students requesting financial aid should submit all application materials, including GRE scores, by March 15 for admission the following fall.

FACULTY:

Alexander Buyantuev, Ph.D., Arizona State University, Assistant Professor — Remote Sensing; Landscape Ecology; Urban Ecology, Land Use and Cover Change, Phenology, Sustainability

Ray Bromley, Ph.D., Cambridge University, 1975, AICP, Professor — planning history, metropolitan and regional planning, community development, informal sector, microenterprise, Latin America

Youqin Huang, Ph.D., University of California, Los Angeles, 2001, Assistant Professor — population, gender, housing and labor markets, urban, GIS, China

Andrei Lapenas, Ph.D., State Hydrological Institute, St. Petersburg, 1986, Associate Professor — biogeochemical, climatic change, Quaternary paleogeography, soils

Catherine T. Lawson, Ph.D., Portland State University, 1998, Associate Professor — transportation planning, ITS, freight, quantitative methods, regional science, growth management

David A. Lewis, Ph.D., Rutgers University, 2003, Assistant Professor — regional planning theories and techniques, brownfields redevelopment, urban and regional economic development

James E. Mower, Ph.D., State University of New York at Buffalo, 1988, Associate Professor — GIS, cartography, automated cartography

John S. Pipkin, Ph.D., Northwestern University, 1974, Distinguished Service Professor — urban, urban design, American cultural landscapes, quantitative methods

Joseph A. Sarfoh, Ph.D., University of Cincinnati, 1976, Associate Professor (Primary Appointment in Africana Studies) — regional development, resource management, Africa
Christopher J. Smith, Ph.D., University of Michigan, 1975, Professor — urban, social, medical, China, East Asia, Asian Americans

ADJUNCT FACULTY:

Todd M. Fabozzi, MRP, UAlbany-SUNY, 1994 — regional planning, GIS, regional growth analysis

Rocco A. Ferraro, MCRP, Ohio State, 1975, AICP — planning, land use, growth management

Glenn Harland MA, UAlbany-SUNY, 1994 — physical geography, GIS

Marcia Kees, BA SUNY Oswego, New York State Office of Parks Recreation and Historic Preservation — Coordinator of New York State Heritage Area Program

Christopher J. O'Connor, UAlbany-SUNY, 2002 — GIS, Water Resources, Flood Hazards

Jeffrey S. Olson, MA, SUNY-Empire State, 1993 — bicycle and pedestrian transportation planning

Kurt Swartz, MA, SUNY College of Environmental Science & Forestry 1982, New York State Department of Environmental Conservation, GIS Section Chief

S. Thyagarajan, MCRP, Ohio State, 1963, AICP — comprehensive planning, site planning, growth management, Site planning, community planning, waterfront planning

UNIVERSITY AT BUFFALO, STATE UNIVERSITY OF NEW YORK

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1962

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: BA, BA/MA, MA, MS & PhD in Geography; BA & MA in International Trade

GRANTED 9/1/12-8/31/13: Geography: 26 Bachelors, 18 MA, 4 MS, 6 PhD

International Trade: 35 Bachelors

STUDENTS: 122 Majors, 1 BA/MA, 68 Masters, 48

Doctoral

CHAIR: Sharmistha Bagchi-Sen

DEPARTMENT ADMINISTRATOR: Jeanine McKeown

FOR FURTHER INFORMATION: please visit our website: www.geography.buffalo.edu

Graduate applicants: **please apply online.** The online application is accessed directly from the department webpage. Address written inquiries to Director of Graduate Studies, Department of Geography, University at Buffalo, 105 Wilkeson Quadrangle, Buffalo, NY 14261-0055. Telephone (716) 645-2722. Fax (716) 645-2329. E-mail: geog@buffalo.edu.

Graduates pursue professional careers in government or business, as well as leading teaching and research institutions. Students are encouraged to find internships in business, industry, and/or government agencies. Some examples of potential fields of employment are software development, GIS and mapping technology, remote sensing, population analysis, land use, natural resource and environmental management, statistical analysis, and economic development.

AREAS OF SPECIALIZATION:

The general areas of concentration supported by the Department are Geographic Information Science, Earth Systems Science, Urban and

Regional Analysis, International Business and World Trade, and Health Geography.

Geographic Information Science is concerned with the acquisition, manipulation, simulation, and visualization of spatial and remote sensing data. The use of digital spatial data sets to analyze as well as illustrate spatial patterns has intensified interest in a broad range of disciplines. Academic study of GIS may also focus upon improving the algorithms and data structures used.

Earth Systems Science examines modern environmental problems through quantitative analysis and modeling grounded in basic and applied science. The goal of the program is to provide specialized training in watershed processes, terrestrial ecology, hydrology, natural resources, and land management at a variety of scales. Students learn marketable skills for careers in environmental sciences and related areas.

Urban and Regional Analysis offers an array of courses on contemporary urban and regional systems. Faculty members have developed strong relationships with other departments at UB, including Economics, Planning, Sociology, Industrial Engineering, Political Science, and Law.

International Business and World Trade emphasizes the practical and theoretical aspects of international trade, foreign direct investment, industrial and transportation geography, and the ties between world culture and international business practices.

Recently established degrees in International Trade – BA in International Trade and MA in International Trade – are now being offered by the Geography Department.

Geography of Health, in addition to the four areas of geography described above, is emerging as a new faculty and graduate student research focus.

GRADUATE DEGREE PROGRAMS:

The Department of Geography offers graduate training leading to the Geography degrees BA/MA, Master of Arts, Professional Master of Arts (portfolio option), Master of Science, and Doctor of Philosophy; and Master of Arts in International Trade.

The Master's program may be designed as a terminal degree (including a portfolio option), or it may be used as the basis for more advanced graduate study. The portfolio options in Earth Systems Science and Geographic Information Science are designed so that students may finish their MA program in one year.

In cooperation with the School of Management, the Department offers a joint MA-MBA degree in International Business and World Trade. Students seeking admission to this option must apply to, and be accepted by, both academic units, and must complete 78 hours of graduate study. In addition, the Department offers a 5-year BA/MA degree in International Economic and Business Geographies that prepares students for professional or academic career in international business and related fields. Additionally, we now offer a Master of Science degree intended for students specializing in applications of analytical techniques to the field of geography.

The Departmental PhD program admits superior students who desire in-depth research and technical training as a prelude to careers in education, government, or industry. Programs are designed on an individual basis and students are required to demonstrate acceptable levels of skill in computer applications, programming, and statistics.

ADMISSIONS & FINANCIAL AID:

University at Buffalo (UB), The State University of New York, a member of the prestigious Association of American Universities, is the largest, most comprehensive public undergraduate and graduate university in New York State, enrolling over 28,000 students. UB operates on a semester system.

Undergraduate admissions: For application information please visit the Undergraduate Admissions website: <http://admissions.buffalo.edu/apply/index.php> or write to Office of Admissions, 12 Capen Hall, University at Buffalo, Buffalo, NY 14260-1660. Telephone (888) UB-ADMIT or (716) 645-6900.

Undergraduate Financial Aid: please see <http://admissions.buffalo.edu/costs/index.php> or write to Student Response Center, 232 Capen Hall, University at Buffalo, Buffalo, New York 14260. Telephone (866) 838-7257 or (716) 645-2450. For Honors Program and Presidential Scholarships: <http://honors.buffalo.edu/prospective/scholarships.php> or write to University Honors Program, University at Buffalo, 214 Talbert Hall, Buffalo, NY 14260. Telephone (716) 645-3020.

Graduate admissions: Please see website for required materials and deadlines: www.geography.buffalo.edu/

Graduate Financial Aid: Departmental graduate assistantships are awarded competitively to well-qualified students. In addition, Presidential and College Fellowships are available on a university-wide competitive basis. For departmental assistantships, interested students must submit requests along with complete application materials. Research assistantships are obtained by invitation from individual faculty researchers. For detailed information on financial aid offerings, please go to www.geog.buffalo.edu/graduate/funding.shtml

RESEARCH FACILITIES & FACULTY:

The Department has excellent computational and computer graphics equipment housed in the Geographical Information and Analysis Laboratory (GIAL). In addition, the Department has experimental flume, soils and biogeography laboratories. The University is a partner in the National Center for Geographic Information and Analysis (NCGIA), which was established by the National Science Foundation (NSF) to promote basic and applied research related to GIScience. For additional information see: www.ncgia.buffalo.edu. The Department also houses the Canada-United States Trade Center (CUSTAC): www.custac.buffalo.edu.

The Department of Geography currently has 16.5 active faculty members with research interests in a wide variety of areas. Our faculty members have been formally recognized by SUNY-wide and national teaching and research awards.

FACULTY:

Jared Aldstadt, Ph.D., San Diego State University/UC Santa Barbara, 2007, Associate Professor — medical geography, spatial epidemiology, GI Science, spatial analysis
Sharmistha Bagchi-Sen, Ph.D., University of Georgia, 1989, Professor and Chair — urban and economic geography
Sean J. Bennett, Ph.D., Binghamton University-SUNY, 1993, Professor — sediment transport mechanics, gully erosion, reservoir sedimentation, and watershed processes
Ling Bian, Ph.D., North Carolina-Chapel Hill, 1991, Professor — GIS for environmental modeling, spatial representation, remote sensing, image retrieval, spatial scale, physical geography
Thomas Bittner, Ph.D., Technical University of Vienna, 1999, Associate Professor — formal ontology, qualitative spatio-temporal reasoning, theoretical foundations of GIS
Trina Hamilton, Ph.D., Clark University, 2006, Associate Professor — international trade, corporate responsibility
Geoffrey Jacques, Ph.D., SUNY Stony Brook, 1989, Professor — medical geography, spatial analysis, exposure assessment
Chris P.S. Larsen, Ph.D., McMaster, 1994, Associate Professor — landscape ecology, vegetation dynamics, fire, tree-ring analysis, fossil pollen analysis
D. Scott Mackay, Ph.D., University of Toronto, 1997, Professor — hydrology, soil-vegetation-atmosphere linkages, watershed modeling, GIS and remote sensing

David M. Mark, Ph.D., Simon Fraser, 1977, SUNY Distinguished Professor and Director, National Center for Geographic Information and Analysis — geographic information systems, user interfaces, spatial cognition, digital terrain models, computer mapping

Sara S. Metcalf, Ph.D., University of Illinois, Urbana-Champaign, 2007, Associate Professor — urban social dynamics, agent-based modeling

Jessie Poon, Ph.D., Ohio State University, 1993, Professor — international trade, multinational corporations (international business), Third World development and Asia

Chris S. Renschler, Ph.D., University of Bonn, 2000, Associate Professor — environmental modeling, GIScience, remote sensing, global position systems (GPS), land use/natural resource/environmental management

Peter A. Rogerson, Ph.D., State University of New York at Buffalo, 1982, SUNY Distinguished Professor — dynamic migration modeling, demographic forecasting, mathematical modeling

Le Wang, Ph.D., University of California, Berkeley, 2003, Associate Professor — GIScience, image understanding, landscape dynamics

Marion Werner, Ph.D., University of Minnesota, 2010, Assistant Professor — labor, feminist and postcolonial theory, political economy, geographies of global production, Latin America and the Caribbean

Eun-Hye Enki Yoo, Ph.D., UC Santa Barbara, 2006, Assistant Professor — GIScience, geostatistics, spatial statistics, public health and environmental modeling, spatial hedonic modeling

ADJUNCT FACULTY (partial listing):

Kim Irvine, Ph.D., McMaster, 1989, Professor — hydrology

Ute Lehrer, Ph.D., UCLA, 2002, Associate Professor — economic restructuring and urban form

EMERITI FACULTY (partial listing):

Athol D. Abrahams, Ph.D., Sydney, 1971, UB Distinguished Professor — fluvial geomorphology

James E. McConnell, Ph.D., Ohio State University, 1969, SUNY Distinguished Teaching Professor — international business and world trade

Michael J. Woldenberg, Ph.D., Columbia, 1968, Professor — fluvial geomorphology

VASSAR COLLEGE

DEPARTMENT OF EARTH SCIENCE AND GEOGRAPHY

DATE FOUNDED: 1920

DEGREES OFFERED: B.A.

GRANTED IN 2014: 14 Bachelors

MAJORS: 40

CHAIR: Kirsten Menking

DEPARTMENT ADMINISTRATIVE ASSISTANT: Lois Horst

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Earth Science and Geography, Box 735, Vassar College, Poughkeepsie, NY 12604. Telephone (845) 437-5540. Fax (845) 437-7577. E-mail: geo@vassar.edu. Internet: <http://earthscienceandgeography.vassar.edu/>

PROGRAMS AND RESEARCH FACILITIES: Founded in 1861 as one of the first U.S. colleges for women, Vassar College has been coeducational since 1969. Vassar now offers a highly selective liberal arts education to approximately 2,400 undergraduates. Courses in geology and geography have been taught since the 19th century. Ellen Churchill Semple received her B.A. in 1882 and her M.A. in 1891 at Vassar. In 1920 the Department of Geology and Geography

was established with concentrations in both disciplines. Specific research themes include: Earth Science, global and area studies, population and sustainable development, political geography, migration and ethnicity, land use planning, comparative urbanization, economic geography, and historic preservation. In 2004, the department changed its name to Earth Science and Geography. Geography offers its own major as well as joint concentrations with both anthropology and earth science. In addition, Geography participates in the multi-disciplinary programs in Environmental Studies, American Studies, Urban Studies, International Studies, Africana Studies, Latin American Studies, Asian Studies, and Women's Studies. The college is a U.S.G.S. and AMS map depository; the Thompson, Van Ingen, Lockwood, Rivers and Ingram libraries contain more than a million books, some 3,000 periodicals, serials, and newspapers, and a rare book collection containing historic atlases and maps. The art gallery is noted for its collection of Hudson River School paintings. Departmental facilities include a GIS laboratory, a variety of microcomputers, and the Warthin Museum of Geology and Natural History. Fieldwork and internships are available with local planning agencies and non-profit environmental groups.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. Students academically qualified for admission find that Vassar offers generous financial aid to approximately 60 percent of the student body. Research assistance from Dana, Ford, and Mellon grants is also available.

FACULTY:

Susan G. Blickstein, Ph.D., Clark University, 2008, Adjunct Assistant Professor — Urban geography, social movements, transportation planning

Mary Ann Cunningham, Ph.D., University of Minnesota, 2001, Associate Professor — Biogeography, GIS, environmental science, North America, Caribbean

Harvey K. Flad, Ph.D., Syracuse University, 1973, Professor Emeritus — Cultural, social, historical landscapes, environmental assessment and planning, North America, Africa, Central Asia

Brian J. Godfrey, Ph.D., University of California-Berkeley, 1984, Professor — Urban, cultural, historical, North America, Latin America, Brazil, Amazonia

Brian G. McAdoo, Ph.D., University of California-Santa Cruz, Associate Professor — Oceanography, oil

Kirsten Menking, Ph.D., University of California-Santa Cruz, 1995, Associate Professor — Environmental, geomorphology, paleoclimatology

Joseph Nevins, Ph.D., University of California-Los Angeles, 1998, Associate Professor — Political, historical, U.S.-Mexico border, E. Timor, human rights

Jill S. Schneiderman, Ph.D., Harvard, 1987, Professor — Environmental, sedimentology, history and philosophy of science, gender

Philippe A. Thibault, Ph.D., University of Minnesota, 2002, Adjunct Assistant Professor — Cartography, GIS

Jeffrey R. Walker, Ph.D., Dartmouth, 1987, Professor — Optical and x-ray mineralogy, igneous and metamorphic petrology, volcanology, hydrogeology, soils

Yu Zhou, Ph.D., University of Minnesota, 1995, Professor — Economic, technology innovation, development, China, East Asia, United States immigration, ethnic economies

NORTH CAROLINA

EAST CAROLINA UNIVERSITY

DEPARTMENT OF GEOGRAPHY, PLANNING, AND ENVIRONMENT

DATE FOUNDED: 1921

GRADUATE PROGRAM FOUNDED: 1964

DEGREES OFFERED: B.A., B.S., M.A.

GRANTED 9/1/13-8/31/14: 21 Bachelors, 11 Masters

STUDENTS IN RESIDENCE: 31 BS Geography, 11 BA Geography, 20 Atmospheric Science, 9 GIS, 30 Planning, 18 Masters

CHAIR: Burrell Montz

DEPARTMENT ADMINISTRATIVE ASST: Jolene Evans

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, East Carolina University, Brewster A-227, Greenville, NC 27858. Telephone (252) 328-6230 (252) 328-6230. Fax (252) 328-6054. Undergraduate Inquiries: Dr. Tom Allen (allenth@ecu.edu). Graduate Inquiries: Dr. Scott Curtis (curtisw@ecu.edu). View website at <http://www.ecu.edu/geog/>.

PROGRAMS AND RESEARCH FACILITIES:

Undergraduate tracks include the B.A. in Geography and the B.S. in Applied Geography with concentrations in either environmental or human aspects, the B.S. in Applied Atmospheric Science and the B.S. in Geographic Information Science and Technology. Department also houses BS in Urban and Regional Planning.

At the graduate level the Department specializes in human geography, physical geography and spatial information technologies, and supports a variety of approaches within each of these areas. Faculty expertise is clustered around the following: *Sustainability and Environmental Justice; Environmental Geography; Atmospheric Science; Geographic Information Science; Rural Development; and Coastal Management*. The department maintains fully equipped research and instructional laboratories. These include a sediment lab, atmospheric science lab, hydrology lab, and three labs devoted to G.I. Science and visualization.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Semester system. Admission requirements are stated in the ECU Catalog. Students may declare an intended major in geography or planning upon admission. The Department offers certificate programs in G.I. Science and atmospheric science.

GRADUATE: Semester system. Admission requirements are set forth in the Graduate Bulletin. Complete transcripts of all academic work are required, as are scores from the Graduate Record Examination. The graduate program is open to students with undergraduate degrees in geography or a closely related field. Assistantships are available to qualified students, the stipend for which is normally \$5,500 per semester. A limited number of out-of-state tuition waivers are available on a competitive basis from the Graduate School. In order to be eligible for a tuition waiver, students must apply to the Graduate School by February 1st. The MA program is designed to be completed in two years, and requires either (a) 30 hours of coursework in combination with a thesis in the student's area of expertise, or (b) 36 hours of coursework in combination with an internship. Concentrations in Planning and Rural Development are also available.

FACULTY:

Thomas R. Allen, Ph.D., UNC Chapel Hill, 1995, Associate Professor — GIS, RS, environmental change and ecological modeling, coastal

Beth A. Bee, Ph.D., Pennsylvania State University, 2011, Assistant Professor — Feminist theory, global change, international development

Traci L. Birch, Ph.D., University of New Orleans, 2011, Assistant Professor — Coastal planning, ecosystem management, environmental planning

W.R. Scott Curtis, Ph.D., Wisconsin, 1998, Associate Professor — hydrologic cycle, tropical climate variability, tropical storms, remote sensing

Paul A. Gares, Ph.D., Rutgers, 1987, Professor — aeolian and coastal geomorphology, environmental management, hazards

Holly M. Hapke, Ph.D., Syracuse, 1996, Associate Professor — social theory, rural development, fisheries, field methods, South Asia

Misun Hur, Ph.D., Ohio State University, 2008, Assistant Professor — planning, built urban environment, GIS and visualization

Scott A. Lecce, Ph.D., Wisconsin-Madison, 1993, Professor — fluvial and glacial hydrology, water resources, metallurgic contaminants

Ron Mitchelson, Ph.D., Ohio State, 1979, Professor — spatial analysis of urban-economic processes; transportation, GIS applications

Burrell Montz, Ph.D., Colorado, 1980, Professor and Chair — natural hazards; water resources management; environmental and resource analysis

Anuradha Mukherji, Ph.D., U.C. Berkeley, 2008, Assistant Professor — housing, disaster recovery planning, international development

Karen Mulcahy, Ph.D., CUNY, 1999, Teaching Assistant Professor — Analytical cartography, GIS, Web cartography, municipal applications

Rosana Nieto-Ferreira, Ph.D., Colorado State, 1994, Assistant Professor — Tropical climate variability and prediction

E. Jeffrey Popke, Ph.D., Kentucky, 1999, Associate Professor — social theory, race and space, critical geopolitics, field methods, South Africa

Viva Reynolds, Ph.D., Kentucky, 2006, Teaching Assistant Professor — geomorphology, human impacts on rivers

Thomas Rickenbach, Ph.D., Colorado State, 1996, Assistant Professor — Tropical precipitation systems, convection and large scale circulation

Hong-Bing Su, Ph.D., U.C. Davis, 1997, Associate Professor — micrometeorology, biometeorology, remote sensing, numerical modeling

Tracy VanHolt, Ph.D., University of Florida, 2009, Assistant Professor — coastal, fisheries, GIS

Scott Wade, M.A., East Carolina, 1990, Full-Time Instructor — GIS applications, computer cartography, ESRI-certified

Thad Wasklewicz, Ph.D., Arizona State University, 1996, Associate Professor — terrestrial processes and forms, GIS applications

Yong Wang, Ph.D., Santa Barbara, 1992, Professor — remote sensing, GIS, image processing and analysis technology, wetland modeling

Jerry Weitz, Ph.D. Portland State University, 1999, Associate Professor and Planning Program Director — growth management, land use, zoning

Mulatu Wubneh, Ph.D. Florida State University, 1976, Professor — regional planning, planning techniques, capacity building

ADJUNCT FACULTY:

Huili Hao, Ph.D., UNC Charlotte, Adjunct Assistant Professor — sustainable tourism, land use, policy

Katherine Jones, Ph.D., Kentucky, Adjunct Assistant Professor — urban development and political processes

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1936

GRADUATE PROGRAM FOUNDED: 1936

DEGREES OFFERED: B.A., M.A., Ph.D.

**GRANTED (2012-2013): 39 B.A (majors; plus 55 minors),
6 M.A., 6 Ph.D.**

**STUDENTS IN RESIDENCE: 99 Majors, 95 Minors, 47
M.A./Ph.D.**

NOT IN RESIDENCE: 5 M.A./Ph.D.

CHAIR: Michael Emch

**DEPARTMENT ADMINISTRATIVE STAFF: Barbara
Taylor Davis; Nell Phillips; Daniel Warfield**

FOR FURTHER INFORMATION CONTACT: Scott Kirsch, Director of Graduate Studies, Department of Geography, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3220. Telephone: (919) 962-3874. Fax: (919) 962-1537. E-mail: kirsch@email.unc.edu. Internet: <http://geography.unc.edu/>.

PROGRAMS AND RESEARCH FACILITIES: UNC is recognized as one of the nation's leading public research and teaching institutions, with extensive and state-of-the-art resources, nationally and internationally recognized academic programs, and many outstanding research institutes and international studies centers. Geography at UNC offers the B.A., M.A., and Ph.D. degrees. The graduate program is organized around and focused primarily on the Ph.D. The Department also offers a Graduate Certificate in Geographic Information Sciences.

The Department of Geography offers a wide range of graduate teaching and research opportunities, with primary focus on five clusters of faculty and student activity:

Biophysical Geography and Earth Systems Science. UNC-Chapel Hill geographers investigate the biophysical environment as an integrated system emphasizing the linkages and feedbacks between terrestrial, aquatic and atmospheric form and function.

Culture, Society, and Space. This cluster of faculty and students focuses on various aspects of political economy, social change, social theory, cultural studies, gender studies, feminism, disciplinary history, and science, technology, and society. Many students in this cluster also take the Certificate in Cultural Studies.

Geographic Information and Analysis. UNC-Chapel Hill geographers apply geographic information sciences as an integrated set of spatial digital technologies to investigate biophysical and social phenomena. They use and develop tools, techniques, concepts, and data sets associated with geographic information systems, remote sensing, data visualization, global positioning systems, spatial analysis, and quantitative methods.

Globalization and International Development. UNC-Chapel Hill geographers study the consequences of processes of globalization (and the anti-globalization and global justice movements they stimulate); international development and its effects on the geographies of international and local capital, labor, technology, information, goods and services; post-socialism, political economy, political geography and geopolitics, and political ecology.

Nature-Society Studies and Human-Environment Interactions. Drawing on analytical and theoretical perspectives from ecology, socio-ecological systems, political ecology, science studies, and cultural studies, UNC-Chapel Hill geographers investigate the social contexts, drivers, and consequences of environmental change and struggles over land use and resources.

The Graduate Certificate Program in Geographic Information Sciences is a non-degree program for graduates comprising coursework in geographic information systems, remote sensing, quantitative methods, spatial analysis, global positioning systems, and data visualization. It is designed for students who wish to acquire technical expertise to support topical knowledge gained in their undergraduate and graduate programs and returning students who wish to acquire specialized education and training to meet current or future job requirements calling for knowledge in GISci.

Graduate Certificate Program in Cultural Studies. The University Program in Cultural Studies is a multi-disciplinary program that includes faculty and students from many departments, including Communication Studies, History, English, Romance Languages, Geography, and Anthropology. Students may complete the graduate certificate as part of their MA or Ph.D. program, taking courses in social and cultural theory and participating in working groups currently organized around cultures of economy, politics and democracy, science and technology, memory, and social movements.

Programmatic Facilities. Students have access to a broad spectrum of university facilities and research institutes. Cooperative programs with North Carolina State University and Duke University permit the use of their combined library holdings, courses, and facilities associated with course-work and research. The Odum Institute for Social Science Research offers regular short and longer training courses and workshops. Faculty and graduate students also have access to facilities and programs in many research centers and institutes, including the Carolina Population Center, Center for Urban and Regional Studies, Center for Galapagos Studies, Institute for the Environment, and Center for Global Education with its many centers of regional and international studies.

ACADEMIC PLAN, GRADUATE ADMISSION REQUIREMENTS, AND FINANCIAL AID: We award both M.A. and Ph.D. degrees, but the major emphasis of our program is the Ph.D. Graduate application is through the Graduate School's online system where interest statements, CVs, and other documents can be uploaded: (http://gradschool.unc.edu/students_prospective.html). The deadline for receiving all application materials is January 1. The Department only admits students into the program in August. The process and necessary documents are detailed at the Department's Graduate application web page: <http://geography.unc.edu/programs/graduate>.

The Department offers merit-based research or teaching assistantships with competitive stipends, health care insurance, and a tuition waiver. Most graduate students are funded, by the Department of Geography, by affiliated units, or by faculty research grants. In addition, University fellowships are available for graduate students with superior academic records. The Department also offers students opportunities to travel and conduct research through Departmental travel funds and the University has many opportunities for research funding through its many international and area studies centers.

RESEARCH AND TEACHING FACULTY:

Lawrence E. Band, Ph.D., UCLA, 1983, Voit Gilmore Distinguished Professor — hydrology, geomorphology, ecosystems, GIS, remote sensing, environmental modeling

Stephen S. Birdsall, Ph.D., Michigan State, 1968, Professor — place meaning and regional identity, social, North America

Xiaodong Chen, Ph.D., Michigan State, 2010, Assistant Professor — human-environment interactions, modeling and simulation, GIS, environmental policy, China

Altha J. Cravey, Ph.D., Iowa, 1993, Associate Professor — international development, social theory, gender, Latin America

Michael Emch, Ph.D., Michigan State 1998, Chair and Professor — medical, GISci, population-environment, South Asia

Banu P. Gökarıksel, Ph.D., University of Washington, 2003, Associate Professor — urban, cultural and feminist geography, social theory, contemporary Muslim societies, Middle East

Clark Gray, Ph.D., University of North Carolina Chapel Hill 2008, Assistant Professor — population, environment and development; survey and statistical methods

Elizabeth Havice, Ph.D., University of California, Berkeley 2009, Assistant Professor — political economy and ecology, international development, environmental politics

Christian Lentz, Ph.D., Cornell University, 2010, Assistant Professor — development, nature-society relations, agrarian studies, Southeast Asia

Jun Liang, Ph.D., University of Cincinnati, 2001, Instructor and GIS technician — spatial modeling, cartography, GIS, Remote Sensing

Scott L. Kirsch, Ph.D., Colorado, 1997, Associate Professor — historical, cultural, and political geography, science & technology studies

Charles E. Konrad, Ph.D., Georgia, 1993, Associate Professor — climatology, meteorology

Nina Martin, Ph.D., University of Illinois at Chicago, 2008, Associate Professor — urban geography, global cities, civil society, migration

Aaron Moody, Ph.D., Boston, 1994, Associate Professor — GIS/remote sensing, biogeography

Elizabeth Olson, Ph.D., Colorado, 2005, Associate Professor, — Development and Inequality, Religion, Global Studies, Moral Geographies

Lauren Persha, Ph.D., Indiana University, 2008, Assistant Professor — conservation, development, political ecology, Africa

John Pickles, Ph.D., Pennsylvania State, 1983, Earl N. Phillips Distinguished Professor of International Studies — globalization, political economy, post-socialism, social theory and geographic thought, Europe

Alvaro Reyes, Ph.D., Duke University, 2009, Assistant Professor — urban and political geography, Black geographies, Latin American movements,

Diego Riveros-Iregui, Ph.D., Montana State, 2008, Assistant Professor — Ecohydrology, watershed hydrology, biogeochemistry, land-atmosphere interactions, tropical hydrology, climate and land use cover change

Sara Smith, Ph.D., Arizona, 2009, Assistant Professor — social, South Asia, India

Conghe Song, Ph.D., Boston, 2001, Professor — remote sensing, ecosystem modeling, land use/land cover change, GIS

Stephen J. Walsh, Ph.D., Oregon State, 1977, Professor — remote sensing, GIS, physical, land use change, human-environment interaction, spatial modeling

Gabriela Valdivia, Ph.D., Minnesota, 2005, Assistant Professor — political ecology, critical resource geography, environmental governance, Latin America

Stephen Walsh, Lyle V. Jones Distinguished Professor

Erika Wise, Ph.D., Arizona 2009, Assistant Professor — Climatology, dendrochronology, water resources

PROFESSORS EMERITI:

Clyde Browning
John Florin
Wil Gesler
Richard Kopec
Peter Robinson
Tom Whitmore

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

DEPARTMENT OF GEOGRAPHY AND EARTH SCIENCES

DATE FOUNDED: 1965

GRADUATE PROGRAM FOUNDED: 1973

DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.

DEGREES GRANTED 7/1/12-6/30/13: 60 Bachelors, 18 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 306 Undergraduate Majors 70 Masters, 33 Ph.D.

NOT IN RESIDENCE: 0 Undergraduate Majors, 6 Masters, 4 Ph.D.

CHAIR: Craig J. Allan

DEPARTMENT ADMINISTRATIVE ASSISTANT: Teresa Cleveland

FOR ADMISSIONS SEE: <http://graduateschool.uncc.edu/future-students/admissions> International students should also see <http://graduateschool.uncc.edu/future-students/admissions/international-applicants>

FOR PROGRAM INFORMATION SEE:
<http://www.geoeearth.uncc.edu>

ADDRESS OTHER CORRESPONDENCE TO: Department of Geography and Earth Sciences, University of North Carolina at Charlotte, 9201 University City Blvd., Charlotte, North Carolina 28223-0001. Telephone (704) 687-5973. Fax (704) 687-5966. Or feel free to contact: Earth Sciences Undergraduate Coordinator: Jake Armour jarmour@uncc.edu Geography Undergraduate Coordinator: Jamie L. Strickland jstrickl@uncc.edu Meteorology Undergraduate Coordinator: Terry Shirley trshirle@uncc.edu Earth Sciences MS Coordinator: Matthew Eastin mdeastin@uncc.edu Geography MA and Ph.D. Director Heather A. Smith heatsmit@uncc.edu

PROGRAMS AND RESEARCH FACILITIES:

In 2006, the Department of Geography and Earth Sciences initiated a new Ph.D. program in Geography and Urban Regional Analysis focused on two interconnected research themes: multi-scalar analysis and GIScience. Pairing technology and theory in the core curriculum, the doctoral program is designed to prepare graduates for research positions in the public and private sectors, as well as academic careers. The doctoral program builds upon and complements a strong, applied Master of Arts program in Geography. At the Masters level, four areas of specialization are offered. Concentrations include GIScience and technology, location analysis and urban and regional analysis. We also offer a track in community planning. Students who choose the community planning track are awarded a M.A. in Geography and complete a formally structured multi-disciplinary core, which includes coursework in geography, architecture, economics, and public administration.

At the undergraduate level, the Department awards B.S. and B.A. degrees in Geography as well as a B.A. in Environmental Sciences and B.S. degrees in Earth and Environmental Sciences; Geology and Meteorology. Like the M.A. in Geography program, the baccalaureate curriculum at UNC Charlotte is focused on applied geography. Undergraduate concentrations in urban, social, and economic geography, location analysis, community planning, and GIScience and Technologies attract large numbers of undergraduates. The university-wide minor in urban studies is also centered in the Department.

Situated in a rapidly growing and internationalizing metropolitan region, UNC Charlotte offers undergraduate, Masters, and Doctoral students a variety of opportunities for engagement in research,

outreach and internship programs that allow them to apply their problem-solving skills in the public, private and non-profit sectors. Ultimately, their training and experiences have led to excellent placement rates with regional and national employers as well as in various programs of advanced study. In addition to teaching and research assistantships, the department provides opportunity for competitive students to be placed with a local company or agency in a paid internship as a part of their degree program.

The McEniry building, home of the Department, was recently renovated and facilities upgraded. Currently, the Department occupies the entire 93,000 sq. ft. building. With greatly expanded teaching, research, and office space, major facilities include two microcomputer laboratories, a GIScience laboratory featuring 43 PC workstations and Arc GIScience, Arc/Info and ERDAS Imagine software, and modern computer cartographic facilities. The Department also houses the Center for Applied Geographic Information Science and this research unit offers a number of research assistantship opportunities.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: UNC Charlotte operates on the semester system. Admission requirements for the undergraduate programs require graduation from an accredited secondary school, or equivalency certificate, and satisfactory combination of secondary school class rank and SAT or ACT score. Financial aid is available through the federal work-study programs, various loan programs, and several types of scholarships. Undergraduate admission information and materials are available at: www.admissions.uncc.edu

Graduate Geography: Departmental graduate assistantships are awarded on a competitive basis to qualified students, and we also strive to provide summer support for qualified students. Doctoral assistantships currently carry stipends of \$14,000 and can include healthcare insurance, and a tuition waiver through the Graduate School. Masters assistantships have a \$10,000 stipend. A limited number of out-of-state tuition fee adjustments are offered that substantially reduce non-resident Master's students tuition rates. In addition to its allocation of teaching assistantships, the Department typically has a large number of research assistantships that are funded from faculty grants and contracts. Application forms can be downloaded from the Graduate School's website: <http://graduateschool.uncc.edu/future-students/admissions>. An official transcript of all previous academic work is required, plus scores from the general aptitude section of the Graduate Record Examination. An undergraduate Geography major is not required, but those students who are deficient in the basic concepts and methods of Geography will be required to take prerequisite coursework. Applications for assistantships should be received by February 15th. Awards are announced as soon after April 1 as possible. Applications for admission for the Fall Semester must be received by July 1. Financial aid is possibly available for students who enter in the Spring semester as well. Prospective graduate students are encouraged to visit the Department.

Graduate Earth Sciences: Departmental graduate assistantships are awarded on a competitive basis to qualified students, and we also strive to provide summer support for qualified students. Masters assistantships have a \$10,000 stipend. A limited number of out-of-state tuition fee adjustments are offered that substantially reduce non-resident Master's students tuition rates. In addition to its allocation of teaching assistantships, the Department typically has a large number of research assistantships that are funded from faculty grants and contracts. Application forms can be downloaded from the Graduate School's website: <http://graduateschool.uncc.edu/future-students/admissions>. An official transcript of all previous academic work is required, plus scores from the general aptitude section of the Graduate Record Examination. An undergraduate Earth Sciences, Geology or Meteorology degree is preferred but not required. Those students who are deficient in the basic concepts and methods in their chosen field of study will be required to take prerequisite coursework.

Applications for assistantships should be received by February 15th. Awards are announced as soon after April 1 as possible. Applications for admission for the Fall Semester must be received by July 1. Financial aid is possibly available for students who enter in the Spring semester as well. Prospective graduate students are encouraged to visit the Department.

FULL AND PART-TIME FACULTY:

Craig J. Allan, Ph.D., York University, 1992, Professor and Department Chair — hydrology, environmental chemistry
Jake Armour, M.S., University of New Mexico, 2002, Senior Lecturer — paleoclimatology, soils
John F. Bender, Ph.D., SUNY at Stony Brook, 1980, Professor — geochemistry, petrology
Andy R. Bobyarchick, Ph.D., SUNY at Albany, 1983, Associate Professor — structural and tectonic geology, the Appalachians
Robert Boyer, PhD University of Illinois Urbana Champaign 2013, Assistant Professor, environmental planning and sustainability.
Harrison S. Campbell, Ph.D., Illinois at Urbana-Champaign, 1994, Associate Professor and Department Associate Chair — economic geography, regional development, regional analysis
Casey Davenport, PhD North Carolina State University, 2011, Assistant Professor, Severe weather meteorology.
Gang Chen, PhD University of Calgary 2010, Assistant Professor — Remote Sensing, Human-environmental interactions.
Elizabeth C. Delmelle, PhD UNC at Charlotte, 2012, Assistant Professor, GIS, urban geography, transportation, spatial analysis and modeling.
Sandra Clinton, PhD University of Washington 2001, Research Assistant Professor — river ecology, urban ecosystems and sustainability
Eric Delmelle, Ph.D. SUNY at Buffalo, 2005, Assistant Professor — GIS, spatial analysis, geovisualization
John A. Diemer, Ph.D., SUNY at Binghamton, 1985, Professor — sedimentology, stratigraphy, environmental geology
Mathew D. Eastin, Ph.D. Colorado State University 2003, Associate Professor and Coordinator of the Earth Sciences Master's Program — tropical meteorology and atmospheric observation,
M.C. Eppes, Ph.D., University of New Mexico, 2002, Associate Professor — soils
Owen J. Furuseth, Ph.D., AICP, Oregon State University, 1978, Professor, Geography Ph.D. Director, and Associate Provost for Metropolitan Studies and Extended Academic Programs — Community Planning
Sarah Gagne, PhD Carlton University 2009, Assistant Professor — Urban Ecology
Bill Garcia, ABD, Ph.D. Candidate, University of Cincinnati, Senior Lecturer/Lab Coordinator — early amphibian evolution, Paleozoic biogeography
Laurie Garo, M.A., University of Wisconsin-Madison, 1984, Lecturer — cartography, GIS applications
William W. Graves, Ph.D., University of Georgia, 2000, Associate Professor — economic, urban, transportation
Scott P. Hippensteel, Ph.D., University of Delaware, 2000, Associate Professor — environmental geology, marine environments
Xingjian Liu, PhD Cambridge University 2013, Assistant Professor: urban economic geography
Brian Magi, PhD University of Washington Seattle 2006, Assistant Professor — biogeophysical modeling, atmospheric sciences, global change
Tyrel G. Moore, Ph.D., University of Tennessee, 1984, Professor — regional development and planning, urban planning methods, small town planning
Terry Shirley, M.S., Pennsylvania State University 2004, Lecturer — synoptic meteorology and forecasting
Heather A. Smith, Ph.D., University of British Columbia, 2000, Professor and Director, Urban Studies Minor and Director of Geography PhD and MA Programs — urban, social, global/local restructuring, immigration

Janni Sorensen, Ph.D. University of Illinois, 2007, Associate Professor — neighborhood planning, service learning, planning theory

Jamie Strickland, ABD, University of Georgia., Lecturer and Coordinator of Undergraduate Geography Programs — population, aging, rural-urban analysis

Wenwu Tang, PhD University of Iowa 2008, Assistant Professor: Geospatial Analysis

Jean-Claude Thill, Ph.D. Universite Catholique de Louvain, 1988, Knight Distinguished Professor of Public Policy — geographic information science and transportation, industrial, location theory

David Vinson, Ph.D., Duke University, 2011, Assistant Professor, Hydrogeology, Isotope Geochemistry

Qingfang Wang, Ph.D., University of Georgia, 2005, Associate Professor — urban-economic, population, ethnic labor markets

Wei-Ning Xiang, Ph.D., University of California at Berkeley, 1989, Professor — GIS, urban and regional planning

EMERITI PROFESSORS:

David T. Hartgen

Gerald L. Ingalls

Sallie M. Ives

J. Dennis Lord

Walter E. Martin

Nelson Nunnally

Norman W. Schul

John Sommer

Alfred W. Stuart

Wayne A. Walcott

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

DATE FOUNDED: 1968

DEGREES OFFERED: B.A. Geography, B.A. Geoscience,

**B.S. Geology, B.S. Oceanography, M.S. Geoscience,
Graduate Certificate in Geographic Information
Science**

**GRANTED 9/1/12-8/31/13: 34 Bachelors, 6 Masters, 7
Certificates**

DEPARTMENT CHAIR: Lynn Leonard

DEPARTMENT ADMINISTRATIVE ASSISTANT:

Catherine Morris

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Michael Benedetti, Department of Geography and Geology,
University of North Carolina Wilmington, 601 S. College Rd.,
Wilmington, North Carolina 28403-5944. Email
benedettim@uncw.edu. Tel: (910) 962-3490. Internet:
<http://www.uncw.edu/earscl/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography and Geology offers a Bachelor of Arts in Geography which prepares students for graduate school and employment in business, industry, and governmental agencies. In addition to a program of basic studies, the geography major will complete 43 semester hours in geography, including 6 core courses plus additional courses concentrated in one of three options: (1) applied geography, (2) human geography, and (3) physical geography. The department also offers a minor in geography (22 hours), a minor in geographic information science (16 hours), and allied degrees in geology, geoscience, and oceanography. The department strongly encourages student internships, directed independent study, and honors thesis projects.

On the main UNCW campus the department houses laboratories devoted to spatial analysis, soils and sedimentology, applied climate research, petrology, and x-ray diffraction. Other equipment includes ERDAS image processing and GIS software, scanning and digitizing hardware, field surveying and sampling equipment, petrographic microscopes, and collections of topographic maps and aerial photographs. The department operates laboratories at the Center for Marine Science devoted to isotope ratio mass spectrometry, coastal and marine geophysics, coastal sedimentology, and invertebrate paleontology.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. For information about admissions and financial aid contact the Office of Undergraduate Admissions, University of North Carolina Wilmington, 601 S. College Rd., Wilmington, NC 28403-5904. Tel: 910-962-3243. Internet: <http://www.uncw.edu/admissions/>.

FACULTY:

Mike Benedetti, PhD, Wisconsin, 2000, Associate Professor — Quaternary geomorphology, geoarchaeology, soils

David Blake, PhD, Washington State, 1991, Associate Professor — structural geology, metamorphic petrology, field mapping

Doug Gamble, PhD, Georgia, 1997, Associate Professor — climatology, hydrology, island and coastal environments

Eman Ghoneim, PhD, Southampton, 2002, Assistant Professor — remote sensing, geomorphology, natural hazards, water resources

Joanne Halls, PhD, South Carolina, 1996, Associate Professor — GIScience, environmental modeling, natural resources management

Andrea Hawkes, PhD, Pennsylvania, 2008, Assistant Professor — coastal geology, oceanography, sea level change

Eric Henry, PhD, Arizona, 2002, Associate Professor — geohydrology, environmental geology, engineering geology

Elizabeth Hines, PhD, Louisiana State, 1992, Associate Professor — cultural and historical geography, American South, cartography and planning

Sharon Hoffmann, PhD, MIT/Woods Hole, 2009, Assistant Professor — paleoceanography, isotope geochemistry

Patricia Kelley, PhD, Harvard, 1979, Professor — invertebrate paleontology, paleoecology, evolution and creationism

Todd LaMaskin, PhD, Oregon, 2009, Assistant Professor — sedimentary petrology, stratigraphy, sedimentology

Chad Lane, PhD, Tennessee, 2007, Assistant Professor — isotope geochemistry, biogeography, paleoclimatology

Richard Laws, PhD, California-Berkeley, 1983, Professor — marine micropaleontology, diatoms, oceanography

Lynn Leonard, PhD, South Florida, 1994, Professor — coastal hydrology and sedimentology, marine geology, wetlands

Scott Nooner, PhD, Scripps, 2005, Assistant Professor — marine geology, geophysics, geodesy

Narcisa Pricope, PhD, Florida, 2011, Assistant Professor — GIScience, environmental change, water resources

Roger Shew, MS, North Carolina, 1979, Instructor — sedimentology, stratigraphy, geoscience education

Michael Smith, PhD, Washington (St. Louis), 1990, Professor — mineralogy, igneous and metamorphic petrology

WINSTON-SALEM STATE UNIVERSITY

DEPARTMENT OF HISTORY, POLITICS AND SOCIAL JUSTICE

DEGREES OFFERED: NA, Concentration in Urban
Studies through B.A. in Interdisciplinary Studies

GRANTED: NA

CHAIR: Donald Mac-Thompson, Ph.D.

DEPARTMENT ADMINISTRATIVE ASST: Ms. Wanda
Parker

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Russell M. Smith, Department of History, Politics and Social Justice, Winston-Salem State University, 601 S. Martin Luther King Jr. Drive, Coltrane Hall 108, Winston-Salem, NC 27110. Telephone (336) 750-8822. Fax (336) 750-2647. E-mail: smithrm@wssu.edu. Internet: <http://www.wssu.edu/profile/dept/ss/smithrm/default.aspx>.

PROGRAMS AND RESEARCH FACILITIES: The Department of History, Politics, and Social Justice is home to numerous Geography course offerings. The Department offers a wide variety of Geography courses that expose students to the breadth and depth of geographic concepts and themes. These courses include: Introduction to Geography, Geography of North America, Environmental Geography, Urban Geography and World Economic Geography. WSSU also offers Introduction to Geographic Information Systems in the on-campus GIS lab featuring 28 computers each with ArcGIS. Additionally, students interested in urban geography related issues may obtain a B.A. in Liberal Studies with a depth study in Urban Studies. The Urban Studies Program requires students to take Introduction to Urban Studies, Internship in Urban Studies and the Urban Studies Seminar. Students can supplement their Urban Studies coursework with a wide-variety of Geography courses. Students, researchers, and faculty also have the opportunity to collaborate with several University Center's including the Center for Community Safety and the S.G. Atkins Community Development Corporation in order to gain practical knowledge and experiences.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Winston-Salem State University is on a semester plan. Students may enroll full or part time and courses are available both on campus and online. Admission requirements are available from: Director of Admissions, Office of Admissions, Winston-Salem State University, Winston-Salem, North Carolina 27110 (<http://www.wssu.edu/admissions/default.aspx>). Financial Aid information may be obtained from the Director of Financial Aid, Office of Financial Aid, Thompson Center (<http://www.wssu.edu/admissions/financial-aid/default.aspx>).

FACULTY:

Russell M. Smith, Ph.D., University of North Carolina at Greensboro, 2007, Associate Professor — urban geography, political geography, urban and regional planning, GIS, North America, South Asia

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1885 curriculum in Geology, 1942
Independent

GRADUATE PROGRAM FOUNDED: 1920

DEGREES OFFERED: B.S., M.A., M.S., Graduate
Certificate in GISc

GRANTED 9/1/10-8/31/11: 13 Bachelors, 6 Masters, 14
GISc

STUDENTS IN RESIDENCE: 50 Majors, 13 Masters

NOT IN RESIDENCE: 1 Major, 39 GISc

CHAIR: Bradley C. Rundquist

DEPARTMENT ADMINISTRATIVE ASST: Cindy
Purpur

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography, University of North Dakota, 221 Centennial Drive, Stop 9020, Grand Forks, North Dakota 58202-9020. Telephone: (701) 777-4246. Fax (701) 777-6195. E-mail: bradley.rundquist@email.und.edu. Internet: <http://arts-sciences.und.edu/geography/>.

PROGRAMS AND RESEARCH FACILITIES:

UND awards a Bachelor's of Science degree with a Major in Geography with three options: community and urban development, environmental geography, and geographic education (36 semester hours each). Graduate degrees awarded include the Master of Arts and Master of Science (thesis and non-thesis options). Graduate students develop a systematic interest, demonstrate knowledge of basic research tools and geographic techniques, and complete a minor or cognate in another discipline. Related disciplines across campus include education, business, finance, anthropology, Indian studies, recreation and tourism studies, geology, space studies, public administration, atmospheric sciences, and fisheries and wildlife biology. A graduate certificate program in Geographic Information Science is also offered.

The Geography Department houses a spatial analysis laboratory with a full range of image processing and geographic information systems hardware and software. A variety of field equipment is also available for field research projects. Faculty techniques interests include geographic information systems, remote sensing, computer-assisted cartography, field methods, and quantitative techniques. Faculty systematic areas cover biogeography, climatology, geomorphology, hydrology, economic development, geographic education, economic, historical, population, transportation, and urban, while regional specialties include Canada, Europe, North America and China.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: For the most up-to-date information about undergraduate admissions and financial aid, please see <http://www.go.und.edu/>.

Graduate: Entering graduate students must have completed an undergraduate major and hold a Bachelors degree in geography from a recognized institution. Applicants are evaluated on an individual basis, however, and those with limited background in geography may be accepted on a qualified basis with the understanding that deficiencies will be remedied early in their graduate program. Admission to approved status requires a minimum GPA of 3.00 in all undergraduate

work, a minimum of 9 semester hours of undergraduate work in geography and 6 credits cognate to geography. Admission to the GISc certificate program requires a minimum GPA of 2.75 in all undergraduate work and is open to all students regardless of their background in geography. Financial assistance is available to graduate students in the form of graduate teaching and research assistantships, tuition waivers, or a combination of the two. Assistantships carry up to a nine-month stipend of \$13,339 with a full tuition waiver and basic single student health coverage.

FACULTY:

Christopher J. Atkinson, Ph.D., Kansas, 2010, Assistant Professor — climatology, GIS, Great Plains
Devon A. Hansen, Ph.D., Utah, 1999, Associate Professor — population, migration, gender issues, community development, Great Plains
Douglas C. Minski, Ph.D., Illinois, 1978, Professor — historical, geographic education, tourism, Canada, North Dakota
Michael A. Niedzielski, Ph.D., Ohio State, 2009, Assistant Professor — transportation, urban land use, GIS
Bradley C. Rundquist, Ph.D., Kansas State, 2000, Professor — remote sensing, GIS, biogeography
Paul E. Todhunter, Ph.D., UCLA, 1986, Professor — climatology, hydrology, environmental hazards, human impacts
Gregory S. Vandeberg, Ph.D., Kansas State, 2005, Associate Professor — fluvial and glacial geomorphology, heavy metals in the environment, disturbed land reclamation, geographic information systems, remote sensing
Enru Wang, Ph.D., Washington, 2005, Associate Professor — economic, regional development, urban, China, GIS

ADJUNCT FACULTY:

Philip J. Gerla, Ph.D., Arizona, 1983, Associate Professor (Geology and Geological Engineering) — hydrology
Rebecca L. Phillips, Ph.D., North Carolina, Research Plant Physiologist (USDA Agricultural Research Service) — ecosystem biochemistry, remote sensing
Santhosh K. Seelan, Ph.D., Jawaharlal Nehru Technological University, 1994, Professor (Space Studies) — remote sensing, developing countries, geospatial techniques
Jeffrey A. VanLooy, Ph.D., Utah, 2007, Assistant Professor (Earth Systems Science and Policy) — fluvial geomorphology, glaciology, remote sensing

OHIO

KENT STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1914

GRADUATE PROGRAM FOUNDED: 1935

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED 6/1/13-5/31/14; 25 Bachelors, 8 Masters, 2 Ph.D.

STUDENTS IN RESIDENCE: 75 Majors, 16 Masters, 28 Ph.D.

NOT IN RESIDENCE: 3 Masters, 5 Ph.D.

CHAIR: Mandy Munro-Stasiuk

GRADUATE COORDINATOR: Scott Sheridan

UNDERGRADUATE COORDINATOR: David Kaplan

DEPARTMENTAL SECRETARY: Mary Lou Church

FOR CATALOG AND FURTHER INFORMATION VIEW OUR WEBSITE: <http://www.kent.edu/cas/geography/> Visit us at: Kent State University, 413 McGilvrey Hall, Kent, Ohio 44242, USA.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography offers programs leading to B.A., M.A. and Ph.D. degrees. The baccalaureate degree program offers a major and a minor in geography. In addition, minor programs are available in Asian Studies, Cartography, Climatology, GIS, and Urban Studies. The Master of Arts degree emphasizes the acquisition of application-oriented research skills as well as expertise in the major subfields of geography. The Ph.D. program is individually designed for each student who wishes to conduct research in selected areas of faculty specialization. Current graduate faculty research interests include: behavioral, biogeography, borderlands, cartography, climatology, cultural, economic, environmental, ethnicity, geographic information science, map use and map symbology, glacial and fluvial geomorphology, hazards, industrial, medical, meteorology, methods, political, population, regional development, remote sensing, transportation, urban, and the regional specialties of South American, Africa, Cambodia, the Philippines, and Europe.

Research facilities include a 1.7 million volume library, the University map collection (over 200,000 sheets), and university and statewide on-line library information and research database system. Computing facilities in the department include three state-of-the art teaching laboratories housing over 80 personal computers, and several research laboratories for atmospheric research, applied geography, earth science research, hazards and transportation. Software currently running with site licenses includes ArcInfo, ArcGIS, ArcGIS Server, ArcSDE, ArcIENV, ERMapper, PCI Geomatica, ERDAS, eCognition, SPSS, SAS, MapInfo, Surfer, Adobe Illustrator and Adobe Photoshop, among others. Additional facilities and equipment include an on-line national weather monitoring station, local weather stations, a national climate database, weather related field instruments, a suite of GPS units (differential and WAAS enabled), large format poster printers, several windows-based servers, and access to a suite of supercomputers in the Ohio Supercomputer Center. Finally, a Physical Geography Laboratory is dedicated for instruction of physical geography and related courses.

The department is housed in McGilvrey Hall and shares the building with the Department of Geology and the University Map Library.

Situated in a small city within urbanized northeast Ohio, Kent State University has ready access to a variety of research environments: large cities, small towns, agricultural regions, the Great Lakes and the Appalachian Highlands and other environmental sensitive areas.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Kent State University operates on a semester system.

Undergraduate: Admission to Kent State University will be accorded to those students who successfully complete a college preparatory high school degree program with a minimum 2.5 out of 4.0 grade point average. All other applicants will be admitted on a conditional basis. KSU will accept either ACT or SAT scores. All candidates for the B.A. degree must complete the University Liberal Education Requirements, including course work in one foreign language. The geography major requires a minimum of 43 semester hours. These hours consist of 22 hours of core geography courses and at least 21 hours which may be selected from one of the following concentrations in Social Geography, Environmental Geography, and Geographical Information Sciences.

Interdisciplinary minor and certificate programs in Geographic Information Science, Cartography, Urban Studies, Climatology, and Asian Studies are offered through the Department. Internships in these programs are available. Both a Geography Club and Gamma Theta Upsilon are active. Apply on line: <http://www.kent.edu/admissions/Apply/index.cfm>.

Graduate: All applicants for admission to the M.A. and Ph.D. programs must meet the requirements of the Graduate College and satisfy the graduate faculty of the Department that they have the capability of pursuing graduate level studies. A minimum grade point average of 3.0 on a 4.0 scale or its equivalent is required for regular admission. Applicants are normally expected to have the equivalent of a Geography minor, 24 credit hours (for M.A. program), or M.A. in Geography (for Ph.D. program). Deficiencies may be made up after admission. Applicants to the Ph.D. program should have completed a thesis. A minimum of thirty-two (32) hours of credit are required for the M.A. degree. Sixty semester hours beyond the Masters degree are required for the Ph.D., with thirty of these credits assigned to the dissertation. Applications are encouraged from qualified students representing all minority groups, the physically disabled, and women.

Financial aid is available in the form of Teaching and/or Non-Teaching Graduate Assistantships, University Fellowships, and Tuition Scholarships. Applicants are asked to apply by January 1st for fall enrollment. Research Assistantships from funded research projects are also available. All appointments provide a complete remission of fees, and appointees are classified as Ohio residents for fee purposes. Submit applications on line: <http://www.kent.edu/admissions/Apply/>.

FACULTY:

- Kay Amey, Ph.D., Kent State University, 2011, Assistant Professor (K.S.U. Ashtabula)* — hydrology, environmental geology, hydrogeology, environmental geography
- Andrew Curtis, Ph. D., State University New York Buffalo, 1995, Associate Professor* — geographic information science, hazards and disasters, mapping epidemics, public health mapping, crime mapping
- Jacqueline Mills Curtis, Ph.D., Louisiana State University, 2005, Assistant Professor* — geographic information systems, geospatial technologies, natural disasters, built environment, maternal child health
- Mary Ann Haley, Ph.D., Kent State University, 1985, Assistant Professor* — economic development, industrialization, North America, Europe, Post-Soviet Eurasia
- David H. Kaplan, Ph.D., Wisconsin, 1991, Professor* — urban, political, ethnicity, population, nationalism
- Jay Lee, Ph.D., Western Ontario, 1989, Professor and Chair* — spatial analysis, methodology, geographic information science, urban sprawl
- Jennifer Mapes, Ph.D., University of Southern California, 2009, Assistant Professor* — urban geography, community planning, small towns in the U. S., sustainable development

- Keith Muller, Ph.D., Wisconsin-Milwaukee, 1987, Associate Professor (K.S.U. Trumbull Campus)* — agriculture, population, rural settlement, Brazil, Latin America
- Mandy J. Munro-Stasiuk, Ph.D., Alberta, 1999, Associate Professor* — glacial environments, remote sensing
- Rebecca P. Parylak, Ph.D., Texas State-San Marcos, 2009, Assistant Professor* — climatology, natural hazards, physical geography
- Christopher W. Post, Ph.D., University of Kansas, 2006, Assistant Professor (K.S.U. Stark Campus)* — landscape and memory, identity and sense of place, micropolitics of place, historical geography, geography education, exurbanization, popular culture
- Dan Ross, MEM, CESSWI, CPESC, Duke University, 1975, Associate Lecturer* — forestry, urban water quality, natural resource management, soils, golf course design and historian
- Thomas W. Schmidlin, Ph.D., Cornell, 1984, Professor* — meteorology, climatology, natural hazards, cold regions, Ohio, geography of wine
- Scott C. Sheridan, Ph.D., Delaware, 2000, Associate Professor* — synoptic climatology, climate change, bioclimatology, meteorology
- Eric Shook, Ph.D., University of Illinois at Urbana-Champaign, 2013, Assistant Professor* — cyberGIS, geographic information science, agent-based modeling, epidemic simulation
- Sarah L. Smiley, Ph.D., University of Kansas, 2007, Assistant Professor (K.S.U. Salem Campus)* — urban, cultural, and historic geography, Sub-Saharan Africa
- Kelly Turner, Ph.D., Arizona State University, 2013 Assistant Professor* — sustainable urban planning, institutional analysis, environmental decision-making and management, urban ecology, water resources
- James Tyner, Ph.D., Southern California, 1995, Professor* — population geography, political geography, geopolitics, military geography, and geographic thought
- Emariana Widner, Ph.D., Texas State-San Marcos, 2009, Assistant Professor* — urban ecology, resource conservation, environmental philosophy and perception, ecological and multi-agent modeling
- Xinque Ye, Ph.D., Assistant Professor* — geographic information science, computational social science, open source, spatial econometrics, crime analysis

MIAMI UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1906

GRADUATE PROGRAM FOUNDED: 1929

DEGREES OFFERED: Certificate in GIScience, A.B. in Geography, A.B. in Urban and Regional Planning, M.A.

GRANTED 9/1/12-8/31/13: 18 Bachelors, 4 Masters

STUDENTS IN RESIDENCE: 76 Geography and Urban & Regional Planning Majors, 13 Masters

CHAIR: Bruce D'Arcus

DEPARTMENT ADMINISTRATIVE ASST: Debra C. White

FOR FURTHER INFORMATION WRITE TO: A.B. in Geography: Mary C. Henry; A.B. in Urban and Regional Planning: David L. Prytherch; Graduate: Marcia England, Department of Geography, Miami University, 216 Shideler Hall, Oxford, Ohio 45056. Telephone (513) 529-5010. Fax (513) 529-1948. E-mail: geography@MiamiOH.edu. Internet: www.MiamiOH.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES: The department offers five academic programs. Four undergraduate programs include majors and minors in both Geography and Urban and Regional Planning. The department also offers a Certificate in GIScience. The Master of Arts in Geography is a broadly conceived professional curriculum for students intending to pursue doctoral study or a professional career in the public or private sector. The 36-hour program consists of three parts: a common core in geographical methods and research; individualized courses reflective of student needs and departmental expertise; and a thesis or internship. Students are encouraged to take coursework in cognate disciplines. In addition, Geography faculty are participants in an interdisciplinary PhD program in Ecology, Evolution, and Environmental Biology.

The Geography Department at Miami has comprehensive GIS/computing facilities to support instruction and research in geography. These facilities include a state of the art 26-seat GIS and remote sensing focused computer lab with ESRI, ENVI, ERDAS, and Idrisi spatial analysis software installed. Most graduate students receive a computer in their office. The University has field research facilities to support environmental research at the Ecology Research Center and other sites. An endowment provides significant support for students' research expenses.

Undergraduate majors may take coursework in Miami University's European Center in Luxembourg. The department also has ties to Universities of Ghana & Nairobi.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: *Academic Plan:* Semester System. *Admission Requirements:* High school record, ACT and/or SAT scores, and recommendation of the high school. *Financial Aid:* Contact the Office of Student Financial Aid. The Department offers four awards: an award for the Outstanding New Geography Major, The Arthur "Art" Limbird award for the Outstanding Sophomore in Geography, The Henry M. Kendall Award for the Outstanding Junior in Geography, and the Richard G. Lieberman Award for the Outstanding Senior in Geography.

Graduate: *Academic Plan:* Semester System. *Admission Requirements:* Bachelor's degree from an accredited college or university; cumulative minimum grade point average of 2.75 (of a possible 4.0); departmental approval. *Financial Aid:* Graduate assistantships: the 2013-2014 stipends are \$14,562 plus remission of 93% of the comprehensive fee and the full out-of-state tuition surcharge (if applicable) for the length of their appointment. Of this annual stipend, \$12,762 is received during the nine-month academic year and the balance of \$1,800 is for Graduate Summer Fellowships (G.A.s must apply for the latter). All G.A.s must pay the technology fee, the transit fees, Armstrong Center fees, and facilities fees (\$638 for 2013-2014). *Grants-in-aid:* Tuition.

FACULTY:

Bruce D'Arcus, Ph.D., Syracuse, 2001, Associate Professor and Chair — political and cultural geography, social theory, public space
Hays Cummins, Ph.D., Texas A&M, 1984, Professor — reconstruction of past ecological communities in marine systems and understanding ecological change, particularly the impacts of global change on coral reefs
Carl Dahlman, Ph.D., Kentucky, 2001, Associate Professor — Political Geography, population, social theory, Europe, Middle East
Marcia England, Ph.D., Kentucky, 2006, Associate Professor — Access to public space, media and popular culture, geographies of the body
Jerry E. Green, Ph.D., North Carolina, 1976, Associate Professor — physical, land use analysis, soils, map interpretation, air photo interpretation, & Historical North America
Mary C. Henry, Ph.D., Arizona, 2002, Associate Professor — biogeography, remote sensing, fire ecology, landscape ecology

Ziyang Jiang, Ph.D., Clark University, 2010, Assistant Professor, Middletown campus — land change science, GIS, remote sensing

John K. Maingi, Ph.D., Arizona, 1998, Associate Professor — remote sensing, GIS, and forest ecology

Kimberly E. Medley, Ph.D., Michigan State, 1990, Professor — ecological and cultural biogeography, conservation, gender analysis, landscapes

Roxanne Ornelas, Ph.D., Minnesota, 2007, Assistant Professor, Department of Geography and Women's, Gender, and Sexuality Studies Program — Indigenous peoples geographies, human rights, public policy, environment, and feminist theory

David L. Prytherch, Ph.D., Arizona, 2003, Associate Professor — urban, political, and cultural geography; urban planning & sustainability; Europe and North America

William H. Renwick, Ph.D., Clark, 1979, Professor — geomorphology, erosion and sedimentation, environmental management

James M. Rubenstein, Ph.D., Johns Hopkins, 1975, Professor — planning, automotive industry, urban policy analysis, economic

Damon Scott, Ph.D., University of Texas at Austin, 2008, Lecturer, Geography and American Studies — Urban historical geography, gender and sexuality, urban renewal, cultural landscape change

Yelizaveta Skryzhevskaya, Ph.D., Idaho, 2007, Associate Professor, Hamilton campus — human and social geography, regional development, GIS, Eastern Europe including post-Soviet countries

Stanley W. Toops, Ph.D., Washington, 1990, Associate Professor, Geography and International Studies — East Asia, Inner Asia, development, ethnicity, tourism

Ian E.A. Yeboah, Ph.D., Calgary, 1994, Professor, Geography — globalization, urbanization, migration, poverty, and Sub-Saharan Africa

VISITING/ADJUNCT FACULTY:

Susan Jakubowsky, Ph.D., University of Cincinnati, 2014, Visiting Assistant Professor — civic engagement, legal geography, public space

AFFILIATED FACULTY AND STAFF:

Robbyn Abbott, MS, University of Idaho, 1999, GIS Coordinator, GISP — natural resource management, conservation, local land use planning, water resources and food accessibility

EMERITI FACULTY:

Robert S. Bacon, Ph.D. (Psychology), Nebraska, 1955, Ph.D. (Geography), Colorado, 1975, Professor Emeritus

John C. Klink, Ph.D., Minnesota, 1974, Professor Emeritus

Howell C. Lloyd, Ph.D., Northwestern, 1964, Professor Emeritus

James M. Rubenstein, Ph.D., Johns Hopkins, 1975, Professor

Richard V. Smith, Ph.D., Northwestern, 1957, Professor Emeritus

John L. Thompson, Ph.D., Wisconsin, 1955, Professor Emeritus

Joseph T. Urell, Ph.D., University of Cincinnati, 1972, Professor Emeritus

Gene E. Willeke, Ph.D., Stanford, 1969, Professor Emeritus

Cyrus W. Young, Ph.D., Michigan State, 1974, Professor Emeritus

THE OHIO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1907

GRADUATE PROGRAM FOUNDED: 1907

DEGREES OFFERED: B.A., B.S., M.A., Ph.D. in

Geography, M.S., Ph.D. in Atmospheric Sciences

DEGREES GRANTED AU13-SU14: M.A. Geography -8 males, 2 females, Ph.D. in Geography - 9 males, 6 females, Ph.D. in Atmospheric Sciences - 2 males, 1 female

UNDERGRADUATE MAJORS: 212

CHAIR GEOGRAPHY: Daniel Sui

GRADUATE STUDIES CHAIR: Harvey J. Miller

DIRECTOR ATMOSPHERIC SCIENCES: Jay S.

Hobgood

DEPARTMENT FISCAL/HR OFFICER: Suzanne Mikos

GRADUATE PROGRAM COORDINATOR: Caitlin Naber

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Professor Harvey J. Miller (Graduate Studies Chair, 614-292-5207, email: miller.81@osu.edu); Professor Mathew Coleman (Undergraduate Studies Chair, 614-292-9689, email: coleman.373@osu.edu); Professor Jay Hobgood (Director, Atmospheric Sciences Program, 614-292-3999, e-mail: hobgood.1@osu.edu); Department of Geography, The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, Ohio 43210-1361, phone 614-292-2514; Fax: 614-292-6213, e-mail: geography@osu.edu; Department Website: www.geography.osu.edu; Department Facebook Page: www.facebook.com/OSUGeography; Department Twitter: @OSUGeog

PROGRAMS AND RESEARCH FACILITIES: The programs of study at The Ohio State University focus on geography from conceptual and theoretical perspectives. The program is also strongly oriented towards the analysis of geographical problems. The department has chosen to specialize in selected areas in depth, with subfields in Urban and Regional Studies; Spatial Analysis Methods; Atmospheric and Climatic Studies; and, Environment and Society. Methodologically these include both quantitative and qualitative approaches as well as applied studies and the use of geographic information systems. Overall the program is intended to be flexible enough to provide the geographer with an appropriate background to undertake a career in academia, private industry, consulting firms, and government or research institutes. The graduate program in the Department of Geography at the Ohio State University offers training leading to Masters and PhD degrees in the following areas of specialization.

The study of Urban, Regional and Global Studies is a specialty in which Ohio State University has excelled for many years. The Center for Urban and Regional Analysis, headed by Professor Morton O'Kelly, offers many new opportunities for faculty and graduate students to interact with each other and perform research. Research interests in this area include geographies of power, spatialities of difference, urban transportation, accessibility and mobility, dynamics of local and global economies, and critical research practices. Urban research focuses on identity politics and urban struggle, geopolitics of the new immigration policy, patterns of daily spatial mobility, and gender issues in urban and transportation geography.

The primary focus of the GIS and Spatial Analysis Methods core group is on theoretical issues of GIScience and GIS applications to theoretical and substantive research questions. A common theme throughout much of the work in this area is the application of GIS-based spatial analysis and modeling. Applications of work being done include hub and spoke network analysis in air transportation, retail

and interaction models, time geography, dynamics of crime, population growth, public health, social media, volunteered geographic information (VGI), as well as the role GIS in gender research. Work is being done on new information technologies (IT) and individual access to them, on human cyberspatial cognition and behavior, as well as on network topology and accessibility of the internet.

The Atmospheric and Climatic Studies group specializes in work on all atmospheric spatial and temporal scales including involvement with observational, statistical, and modeling work. Current work includes synoptic-scale diagnostic studies of high latitude moisture budgets, large-scale modeling of climatic impacts on the Greenland and Antarctic ice sheets, and the role of ocean-atmosphere interactions in Arctic climate variability. Paleoclimatic work focuses on reconstruction of Earth's past climates from chemical and physical records within ice sheets and ice caps, including efforts to understand past behavior of the monsoons, sea ice, and even volcanic history. Other large-scale efforts examine synoptic type climatological variability over the U.S. and the role of sunshine variability on mean temperatures. On smaller scales focus is on prediction of peak hurricane intensities, the dynamics of melting glaciers and on climate simulation. The department houses the office of the State Climatologist and several faculty are affiliated with the Byrd Polar Research Center.

These cores are linked in the Environment and Society concentration, which integrates social and environmental science approaches to focus on human-environment interaction. Faculty investigate these links at multiple scales in varied settings. Recent research topics include human dimensions of global environmental change and its impacts; reconstruction of past environmental change; environment-development issues in India and Latin America, such as linking forest management histories and biodiversity; identifying household-level determinants of resource use; and developing models to maximize forest and timber management. Ongoing work in North American contexts includes spatial epidemiology research, the political ecology of the urban lawn, urban water quality, and governance issues in North Pacific fisheries.

Research is supported by an excellent library system housing 3.8 million volumes, 2.3 million microforms and 200,000 sheet maps. Current serial subscriptions number 28,000 and include virtually all journals of value in geographic research. A computer-based library circulation system, accessible from student offices, provides access to catalog data and availability of materials as well as literature searches.

The department supports laboratories for work in cartography, GIS, weather analysis and spatial analysis. The atmospheric sciences laboratory maintains one of the most popular computer weather servers in the country, available at <http://twister.sbs.ohio-state.edu>, providing national and local forecasts, satellite and Doppler radar imagery and other products. A large number of meteorological instruments and recording devices are available for boundary layer climate studies. Computer facilities include the State of Ohio Supercomputer Center's Cray S, an IBM mainframe, various departmental PCS and workstations, and the Center for Mapping. The Center for Urban and Regional Analysis (CURA) is housed within the Geography Department. CURA serves as a catalyst for interdisciplinary research on urban and regional topics, as a resource for data and analysis, and as a link for outreach to the Columbus community.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Undergraduate students who major in geography, atmospheric sciences, or geographic information science enroll in the Colleges of the Arts and Sciences and earn a Bachelor of Arts or Science degree. Admission application forms, college bulletins, and financial aid information are available at: <http://undergrad.osu.edu/>. The Undergraduate Admissions and First Year Experience office is

located in the Student Academic Services Building, 281 W. Lane Ave, Columbus, Ohio 43210, (614) 292-3980.

High school students should apply for admission as soon as possible after August 1st of their senior year. Nov. 1st is the deadline for early action and priority consideration for merit scholarships and Honors and Scholars Programs. The Department of Geography offers five majors: BA Geography with specializations in Environment & Society, and Urban, Regional, & Global Studies; BS Geography with specializations in Climatic Studies, Physical Geography, and Spatial Analysis; Atmospheric Sciences; Geographic Information Science; and Air Transportation Studies. The courses within each major comprise the minimum 30 credit hours required for any major program, and students must earn at least a C- in each course. In addition to completing the major program, students must complete the General Education Curriculum of the Colleges of Arts and Sciences. A minimum cumulative point-hour ratio of 2.0 in all courses is required for graduation.

Graduate: Research skills are assessed in the Master's program by means of a thesis or research paper. Coursework includes a core group of seminars emphasizing theoretical understanding and quantitative skills. The doctoral program is designed intentionally to permit advanced graduate students the flexibility to pursue their specialized interests. Seminars on the scope, nature, and methodology of the discipline are the only required elements. Work in related disciplines is encouraged and PhD minor topics in the other departments are possible in certain cases. Admission Requirements: Minimal grade point average of 3.0 (A=4.0) or equivalent for all applicants. All applicants must take the Graduate Record Examination and foreign applicants should also take the TOEFL. Financial Aid: Teaching and research assistantships are available. Nine month stipends are competitive across peer institutions and include tuition waivers for both resident and non-resident students. Summer teaching and research support is available for qualified students. Additional sources of funding include University Fellowships. Applicants wishing to be awarded a University Fellowship should submit their application by December 13th (international student deadline is November 30th). Applicants requesting research and teaching funding are encouraged to complete admission procedures by January 15th. Further details on degree requirements, admissions procedures, and financial aid are available on request.

ATMOSPHERIC SCIENCES PROGRAM: The Atmospheric Sciences Program (ASP) is designed to provide students with a basic foundation in the physical principles, theory, methodological skills, and applications central to the disciplines of meteorology and climatology. For details on the graduate and undergraduate programs see <http://asp.osu.edu>.

FACULTY:

Ola Ahlqvist, Ph.D., Stockholm University, 2001, Associate Professor — geo-visualization, semantics, uncertainty, spatial analysis, social media, map games
David Bromwich, Ph.D., Wisconsin, 1979, Professor — polar meteorology and climatology, numerical modeling
Mathew Coleman, Ph.D., UCLA, 2005, Associate Professor — political geography
Stavros Constantinou, Ph.D., Kent State, 1982, Associate Professor (OSU, Mansfield Campus, Ohio)
Kevin R. Cox, Ph.D., Illinois, 1966, Distinguished University Professor — political, social, urban
Nancy Ettliger, Ph.D., Oklahoma, 1984, Associate Professor — critical theory, culture and economy, urban-social, governance
Jay Hobgood, Ph.D., Ohio State, 1984, Associate Professor and Director, Atmospheric Sciences Program — dynamics, tropical cyclones, climatology
Jialin Lin, Ph.D., SUNY-Stony Brook, 2001, Associate Professor — global climate change, climate modeling and climate dynamics

Desheng Liu, Ph.D., UC-Berkeley, 2006, Associate Professor — remote sensing, GIS, spatial statistics, land use and land cover change
Kenneth Madsen, Ph.D., Arizona State, 2005, Assistant Professor (OSU, Newark Campus, Ohio)
Edward J. Malecki, Ph.D., Ohio State, 1975, Professor — urban, rural and regional development, economic, technological change
Becky K. Mansfield, Ph.D., Oregon, 2001, Professor — nature-society relations; neoliberalism, scale, and the state; health and environment
Bryan Mark, Ph.D., Syracuse, 2001, Associate Professor — climatology, quaternary environmental reconstruction, tropical glaciers, hydrology, water resources, and geo-spatial modeling
Kendra McSweeney, Ph.D., McGill, 2000, Associate Professor — cultural and political ecology, rural livelihoods, demography, conservation and economic development
Harvey Miller, Ph.D., Ohio State, 1991, Professor and Bob & Mary Reusche Chair in GIScience — GIScience, spatial analysis, human mobility and accessibility, sustainable transportation, community livability, public health
Alvaro Montenegro, Ph.D., Florida State, 2003, Assistant Professor — climate change, paleoclimatology, climate modeling
Ellen Mosley-Thompson, Ph.D., Ohio State, 1979, Distinguished University Professor — climatology, glaciology, ice core paleoclimatology, tropical glacier retreat, polar processes
Darla Munroe, Ph.D., University of Illinois, 2000, Associate Professor — economic, land use change
Morton O'Kelly, Ph.D., McMaster, 1981, Professor and Director, Center for Urban & Regional Analysis (CURA) — locational analysis, quantitative analysis, transportation
Jeffery C. Rogers, Ph.D., Colorado, 1979, Professor — climatology, synoptic meteorology
Gregory S. Rose, Ph.D., Michigan State, 1981, Associate Professor and Dean (OSU Campus, Marion, Ohio)
W. Randy Smith, Ph.D., York, 1978, Associate Professor and Vice Provost — urban, regional urban systems, urban historical
Daniel Sui, Ph.D., University of Georgia, 1993, Distinguished Professor of Social & Behavioral Sciences and Chair — GIScience, urban geography, geographic thought, social media, public health.
Joel Wainwright, Ph.D., Minnesota, 2003, Associate Professor — development, social theory, political ecology
Max Woodworth, Ph.D., UC-Berkeley, 2013, Assistant Professor — urban China, Taiwan, neoliberalism
Ningchuan Xiao, Ph.D., Iowa, 2003, Associate Professor — GIScience, spatial analysis, geovisualization and cartography, spatial decision support systems

EMERITUS FACULTY:

William V. Ackerman, Professor Emeritus
A. John Arnfield, Professor Emeritus
Emilio Casetti, Professor Emeritus
Victor Colombini, Associate Professor Emeritus
Howard L. Gauthier, Professor Emeritus
Robert D. Klingensmith, Professor Emeritus
Duane F. Marble, Professor Emeritus
Yuri Medvedkov, Professor Emeritus
Harold Moellering, Professor Emeritus
Joel L. Morrison, Professor Emeritus
John N. Rayner, Professor Emeritus

OHIO UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1969

DEGREES OFFERED: B.A., B.S., M.A., M.S.

GRANTED 7/1/12-6/30/13: 36 Bachelors, 7 Masters

STUDENTS IN RESIDENCE (Fall 2013): 160 Majors, 16 Masters

CHAIR: James M. Dyer ADMINISTRATIVE

Coordinator: Amy Meeks

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Undergraduate Committee; or Chair, Graduate Committee, Department of Geography, Ohio University, 122 Clippinger Lab, Athens, Ohio 45701-2979. Telephone: (740) 593-1140. Fax: (740) 593-1139. E-mail: geography@ohio.edu. Internet: www.ohio.edu/geography

PROGRAMS AND RESEARCH FACILITIES:

Ohio University offers undergraduate students either a B.A. or a B.S. degree. In addition to the Geography major, undergraduate students may choose to follow one of several structured programs for a more specialized degree. These include Environmental Geography, Meteorology, Geographic Information Science (GIS), Environmental Pre-Law, Urban Planning and Sustainability, and Globalization & Development. The department also offers both undergraduate and graduate certificates in Geographic Information Science. Admission requirements are listed on the Ohio University web page (www.ohio.edu); information about programs of study can be found on the department's web page.

The department grants the M.A. and M.S. degrees with a thesis and a non-thesis option. Faculty strengths include physical (biogeography, geomorphology, climatology, meteorology), sustainable planning and resource management, urban, development studies, globalization, feminist/gender geography, agriculture/land use, cultural-historical, population, and applied information technology (cartography, remote sensing, GIS). The department maintains strong ties with the Environmental Studies, International Studies (Latin America, Asia, Africa), and Women's and Gender Studies programs. Graduate Catalog information and online application forms can be accessed from the Graduate College web site at www.ohio.edu/graduate/.

Departmental facilities supporting undergraduate and graduate research include a Geographic Technologies Laboratory supporting advanced information technologies, instruction in GIS and automated mapping. A remote sensing facility supports teaching and research in digital image processing. The Scalia Laboratory for Atmospheric Analysis supports teaching and research in climatology, meteorology, and forecasting. Other laboratory facilities include Carl Ross Geomorphology Research Laboratory, and the Long-Term Social and Ecological Research Laboratory. Through Ohio University's Alden Library, students have access to over two million volumes, a large map collection, and an extensive number of journals in geography and allied fields.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Academic Plan: semesters. Admission Requirements for Graduate Study: Baccalaureate degree in geography or a related field and a grade point average of 3.0 (4.0 scale), Graduate Record Examination scores, letters of recommendation and personal statement of interest. **Financial Aid:** Graduate Assistantships are available on the basis of individual merit. These provide full remission of tuition and a stipend of approximately \$12,350 for the nine-month academic year. Research assistant positions are available through faculty research grants. One graduate appointment is an associate in weather observations and forecasting. Assistantships typically are granted for a second year upon successful completion of the first year of study. Tuition scholarships are extended for the summer for

students wishing to continue study during that period. The financial assistance application deadline is February 15.

FACULTY:

Timothy G. Anderson, Ph.D., Texas A&M, 1994, Associate Professor — cultural, historical, world systems, ethnicity

Geoffrey L. Buckley, Ph.D., Maryland, 1997, Professor — environmental, historical, mining landscapes, urban environments

James M. Dyer, Ph.D., Georgia, 1992, Professor and Chair — biogeography, landscape ecology, forest dynamics

Ryan Fogt, Ph.D., Ohio State, 2007, Assistant Professor and Director of Scalia Laboratory for Atmospheric Analysis — polar meteorology and climatology, climate variability and change, stratosphere-troposphere interactions

Jana Houser, Ph.D., University of Oklahoma, 2013, Assistant Professor — observations of formation and evolution of tornadoes, supercell thunderstorms, radar studies, severe weather climatology, mesoscale meteorology

Brad D. Jokisch, Ph.D., Clark University, 1998, Associate Professor — cultural/political ecology agriculture, population, migration, Latin America

Yeong-Hyun Kim, Ph.D., Syracuse University, 1998, Associate Professor — globalization, economic geography, urban geography, Asia

James K. Lein, Ph.D., Kent State, 1986, Professor — environmental assessment, land resource analysis, applied physical, remote sensing, GIS

Harold Perkins, Ph.D., Wisconsin-Milwaukee, 2006, Associate Professor — political ecology/economy of urban environments including neoliberalization, the state, governance, voluntarism, and the agency of nonhuman organisms

Amy Rock, Ph.D., Kent State University, 2013, Visiting Assistant Professor — rural community development, specifically in Appalachia; the use of GIS to enhance development initiatives; historical and cultural cartography

Dorothy Sack, Ph.D., Utah, 1988, Professor — physical geography, geomorphology, Quaternary studies, paleolakes, arid lands, history of geomorphology

Gaurav Sinha, Ph.D., University at Buffalo-SUNY, 2007, Assistant Professor — geospatial ontology, environmental data modeling, landscape analysis, PPGIS,

Thomas A. Smucker, Ph.D., Michigan State, 2003, Assistant Professor — environment and development, land tenure systems, rural livelihood and coping strategies, African drylands

Elizabeth Edna Wangui, Ph.D., Michigan State, 2004, Associate Professor — gender, rural livelihoods and landscape change in East Africa

Risa Whitson, Ph.D., Pennsylvania State, 2004, Associate Professor of Geography and Women's and Gender Studies — gender and development, social geographies, informal sector, Argentina

EMERITI FACULTY TEACHING ON EARLY RETIREMENT:

Nancy R. Bain, Ph.D., Minnesota, 1973, Professor — land use planning, economic, urban, population

Ronald L. Isaac, Ph.D., Southern Illinois University, 1974, Assistant Professor — physical geography, meteorology

AFFILIATED FACULTY:

Mary Dyer, Ph.D., Georgia, 1996, Visiting Assistant Professor — biogeography, environmental ethics

R. J. Shostak, J.D., University of Pittsburgh School of Law, 1996, Visiting Assistant Professor — environmental law

OHIO WESLEYAN UNIVERSITY

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

DATE FOUNDED: 1951

DEGREES OFFERED: B.A., Geography; Geology;

Environmental Studies; Urban Studies

GRANTED 9/1/08-8/30/13: 35 Geography; 25 Geology; 45 Environmental Studies

MAJORS: 12 Geography; 12 Geology; 30 Environmental Studies

CHAIR: Barton Martin

DEPARTMENT ADMINISTRATIVE ASST: Barbara Williams

FOR CATALOG AND FURTHER INFORMATION CONTACT: Dr. John Krygier, Professor of Geography, Ohio Wesleyan University, Delaware, Ohio 43015. Telephone (740) 368-3622. Fax (740) 368-3999. E-mail: jbkrygier@owu.edu. Internet: geo.owu.edu

PROGRAMS AND RESEARCH FACILITIES:

Ohio Wesleyan University was founded in 1842 and geology and geography courses were taught beginning in 1851. The geography program was created in 1951. Ohio Wesleyan University is a selective, coeducational liberal arts college of about 1800 students equally divided between men and women from all over the United States and 50 foreign countries. The geography program focuses on the complex inter-relationships between human societies and the natural environment and on the development and alteration of cultural landscapes. Specific research themes of the geographers include: human and cultural geography with an emphasis on globalism and the global south; mapping, GIS and remote sensing, climate, weather, and climate change, urban geography and urban studies, environmental geography and environmental studies. The interdisciplinary Environmental Studies and Urban Studies programs are directed through the Geography program. The Beeghly Library contains approximately 700,000 volumes and over 1000 periodicals. Additional journal and bibliographic resources are available on line through The Ohio Five Consortium (OWU, Oberlin, Kenyon, Wooster and Denison) and OhioLink. The department has its own small research library, and a GIS computer lab for the exclusive use of majors. Many geography students study off-campus for a semester and engage in theory-into-practice and summer science research projects. The department stresses field work and independent research projects. A hallmark of Ohio Wesleyan's educational mission is its emphasis on involving students directly with on-going faculty research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester System. The college provides generous amounts of financial aid to academically qualified students; approximately 85 percent of the student body receives financial aid. Information regarding admissions requirements and financial aid may be obtained by contacting the Admissions Office, Ohio Wesleyan University, Delaware, Ohio 43015 (toll free 1-800-922-8953; E-mail: www.owu.edu/).

FACULTY:

Nathan Amador, Ph.D., Penn. State, 2014, Assistant Professor of Geography — climate, weather, glaciers, remote sensing

Karen H. Fryer., Ph.D., Illinois, 1986, Professor of Geology — physical geology, structural geology, petrography, tectonics, field techniques

Richard Fusch, Ph.D., Oregon, 1972, Professor of Geography (emeritus) — cultural, urban geography/urban design, economic, changing Third World and contemporary American cultural landscapes

David H. Hickcox, Ph.D., Oregon, 1978, Professor of Geography (emeritus) — physical geography, weather/climate, human impacts on natural environments, resource management

John Krygier, Ph.D., Penn. State, 1995, Professor of Geography, Director of Environmental Studies — GIS/cartography/visualization, public participation GIS, map design & GIS, environmental geography

Keith Mann, Ph.D., Iowa, 1987, Professor of Geology — historical geology, paleontology, hydrology, sedimentology/stratigraphy

Barton S. Martin, Ph.D. Massachusetts, 1991, Professor of Geology — physical geology, vulcanology, mineralogy, petrology, economic geology

David Walker, Ph.D. Kentucky, 2007, Assistant Professor of Geography — Urban, Latin America, Economic, Cultural, Race, Gender

SINCLAIR COMMUNITY COLLEGE

DEPARTMENT OF SOCIOLOGY, GEOGRAPHY, AND SOCIAL WORK

DATE FOUNDED: circa 1971

DEGREES AND CERTIFICATES OFFERED: GIS

Certificate and Applied Associate degree in

Geospatial Technologies commencing in Spring 2015;

Liberal Arts degree with concentration in

Geography, Associate degree in Geography

commencing in Fall 2014

GRANTED 9/2013-to 6/2014: 4 GIS Certificates; current geography students graduate with a Liberal Arts degree

CHAIR: Dona Fletcher

DEPARTMENT ADMINISTRATIVE ASSISTANT: Lynn Amann

FOR FURTHER INFORMATION CONTACT: Department of Sociology, Geography, and Social Work, 444 West Third Street, Dayton, OH 45402-1460. Telephone (937) 937 512-2944. Email: lynn.amann@sinclair.edu

PROGRAMS AND RESEARCH FACILITIES: Sinclair offers introductory human, regional, physical geography courses as well as geography of the Middle East. Our offerings in GIS include introduction to GIS, cartography, and spatial analysis. The Geospatial and Social Research Center includes a classroom with 20 computers and a separate lab with 10 computers. Students and faculty in GIS have opportunities to connect with local industry and government through service learning projects, internships, field trips, and one-on-one mentoring.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Sinclair's strong belief in access and affordability is reflected in the fact that its Montgomery County students pay the lowest tuition rates in the state of Ohio. Sinclair uses a semester system. Students may enroll full or part time and courses are available on the main Dayton campus, Courseview Campus Center (Mason, OH), Englewood Learning Center, Huber Heights Learning Center, Preble county Learning Center, and Wright-Patterson Air Force Base Center as well as SinclairOnline. Any person 18 years or older can apply to Sinclair Community College for admission. Post Secondary Enrollment Options are also available. Further information is available at <http://www.sinclair.edu/admissions/>.

GEOGRAPHY FACULTY:

Jacqueline Housel, Ph.D. *State University of New York at Buffalo, 2007, Associate Professor of Geography and GIS* — GIS, urban geography, race and ethnicity

Mohsen Khani, MA, *University of Western Michigan, 1992, Professor of Geography* — political and physical geography

ADJUNCT FACULTY:

Kevin Eggers, MA

Ginger Einhorn, GISP

Tom Harner, GIS Coordinator at Miami Valley Regional Planning Commission

Lance Lemonges, PhD, University of Florida

UNIVERSITY OF CINCINNATI

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1907

GRADUATE PROGRAM FOUNDED: 1931

DEGREES OFFERED: B.A., B.S., M.A., Ph.D.

GRANTED 1/1/2012-05/30/2014: 14 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 1/1/2012-05/30/2014 8

Masters, 29 Ph.D.

CHAIR: Hongxing Liu

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Director of Graduate Studies in Geography, Department of Geography, PO Box 210131, University of Cincinnati, Cincinnati, Ohio 45221-0131. Telephone (513) 556-3421. Fax (513) 556-3370. E-mail: Tomasz Stepinski at stepintz@uc.edu Internet: <http://www.artsci.uc.edu/departments/geography.html>

PROGRAMS AND RESEARCH FACILITIES: The Department has three academic foci. One focus area is *urban-economic-cultural* research (with emphases on location analysis geared to site selection and market research for both the public and private sectors, population dynamics, and community and regional development). Another is *physical-environmental geography* (with emphases on field research, instrumentation and modeling, microclimatology, biogeography, soils, and environmental geography). The third focus is *Geographic Information Science* (Geographic Information Systems/Remote Sensing/GPS).

Over the years, students of the Department have found employment in planning and development (30 percent of those graduating), education (35%), public administration (7%), and business (28%). Work experience and training in marketable skills are integral parts of the graduate program. In fact, America's first co-op system of higher education began in Cincinnati in 1906, and continues to make the city a living laboratory for studies of all kinds. The Ph.D. program is restricted to specializations compatible with faculty expertise. The M.A. can be obtained with or without thesis, in one or two years. There is also a well-established three-year program leading jointly to the master's degree in geography and the master of community planning.

Over eleven million books are available in forty-four research collections that comprise the Cincinnati Libraries Consortium, among them the Archival Library of the AAG. Students and staff also have access to collections held in other libraries in Ohio via the OhioLink. The University has world-class mainframe computing facilities that are available for research projects. The department moved into new quarters during the 2000-2001 academic year. Our new facilities in Braunstein Hall contain advanced computer graphics/GIS capabilities including Sun Ultra Enterprise I Server (Model 170), with a RAID System, Silicongraphics Workstation, Sun SPARC 1000 Server, Sun SPARC workstations, Dell Poweredge 4100 NT Server with dual Pentium Pro 200 processors and a RAID System, 40 NT

Workstations, digitizers, plotters, scanners, and color printers. The software collections include ArcGIS, Arc/Info, ArcView, ArcIMS, ENVI, PCI, ERDAS Imagine, ER-Mapper, GRASS, and all other ESRI products, Trans CAD, MapViewer, Surfer, Mapviewer, MapInfo, Atlas GIS, IDRISI, SAS, AutoCAD, and a number of other computer mapping and statistical packages. The Department also runs a Joint Center for GIS and Spatial Analysis with the School of Planning, which gives geography students access to other computer imaging and animation systems. The physical geography laboratories also provide basic facilities for environmental geography, soil geography, and biogeography research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Quarter system. Applications for admission to the geography program of the Division of Graduate Studies, or for financial aid, can be obtained by going to our website (<http://www.artsci.uc.edu/departments/geography.html>) and following the link to the on-line application form. Applicants unable to access our website may request application forms by writing to the Department of Geography, University of Cincinnati, Cincinnati, Ohio 45221-0131. GRE scores are required for all applicants. In addition, TOEFL scores are required for international students whose native language is other than English.

Financial aid includes Graduate Assistantships, Research Assistantships, Tuition Scholarships, and University Internships.

FACULTY:

Richard A. Beck, Ph.D., *Southern California, 1995, Associate Professor* — Geographical information networks, GIS, Remote Sensing, Climate Change, South Asia

Ishi D. Buffam, Ph.D., *Swedish University of Agricultural Sciences, 2007, Assistant Professor* — aquatic ecosystem and landscape ecology; jointly appointed between Biology and Geography

Nicholas P. Dunning, Ph.D., *Minnesota, 1990, Professor and Director, Undergraduate Program* — environmental archaeology, soils, cultural ecology, Latin America

Wendy R. Eisner, Doctor, *Utrecht, the Netherlands, 1999, Associate Professor and Director, Graduate Program* — physical geography, paleoecology, paleoclimatology, Arctic system science, human impacts on the environment, human cultural evolution

Kenneth M. Hinkel, Ph.D. *Geology, Michigan, 1986, Professor* — physical geography, computer applications, micrometeorology, periglacial geomorphology

Changjoo Kim, Ph.D., *Ohio State, 2004, Assistant Professor and Director of Undergraduate Studies* — GIS, location analysis, urban-economic geography

Hongxing Liu, Ph.D., *Ohio State, 1999, Professor and Head of Department* — Remote sensing, GIS, sensor network, modeling, hazards

Lin Liu, Ph.D., *Ohio State, 1994, Professor* — GIS, geographic visualization, quantitative methods, location analysis, crime mapping and analysis, geo-simulation, China

Kevin Raleigh, Ph.D. *University of South Carolina, 2006, Educator Faculty* — urban-economic geography; quantitative techniques

Roger M. Selya, Ph.D., *Minnesota, 1971, Professor* — economic development of East Asia, population, medical geography

Robert B. South, Ph.D., *Maryland, 1972, Associate Professor* — economic geography, regional economic development, Latin America

Tomasz F. Stepinski, Ph.D., *University of Arizona, 1986, Thomas Jefferson Endowed Chair Professor and Director of Graduate Studies* — Space Informatics, remote sensing, GIS

Susanna Tong, Ph.D., *Sheffield, 1980, Professor* — biogeography, quantitative ecology, water resources management, soil and environmental geography, China

Amy Townseng-Small, Ph.D., The University of Texas at Austin, 2006, Assistant Professor — Carbon and nitrogen cycling; Jointly appointed between Geology and Geography

Michael Widener, Ph.D., University of Buffalo, State University of New York, Buffalo, 2012, Assistant Professor — Urban health and transportation Geography

EMERITUS FACULTY:

Roger M. Selya, Ph.D., Minnesota, 1971, Professor — economic development of East Asia, population, medical geography

Wolf Roder, Ph.D., Chicago, 1965 — economic development of Africa, environmental and resource management, quantitative techniques

K. Bruce Ryan, PhD, Australian National, 1966 — Australia, urban-historical, recreation

Howard A. Stafford, Ph.D., Iowa, 1960 — industrial location decision-making, manufacturing, urban and marketing geography, location theory

Lawrence Wolf, PhD, Syracuse, 1966 — historical geography, political; world, Europe; cartography

ADJUNCT FACULTY:

David Shuey, MCP, University of Cincinnati, 1995 — GIS

Sunhee Sang, PhD, The Ohio State University, 2009 — GIS, Urban and Economic Geography

Michael Troyer, PhD, University of Cincinnati, 1999 — human-environment interface, GIS.

UNIVERSITY OF TOLEDO

DEPARTMENT OF GEOGRAPHY AND PLANNING

DATE FOUNDED: 1963

MASTER OF ARTS PROGRAM FOUNDED: 1970

PhD PROGRAM FOUNDED: 2009

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED 2012-2013: 5 Bachelors, 4 Masters

STUDENTS IN RESIDENCE: 20 Majors, 14 Masters, 16 PhD

NOT IN RESIDENCE: 5 Masters

CHAIR: Patrick L. Lawrence

ASSISTANT TO THE DEPARTMENT CHAIR: Tammy Golkiewicz

FOR FURTHER INFORMATION WRITE TO: Dr. Patrick Lawrence, Chair Department of Geography and Planning MS 140, The University of Toledo, 2801 W. Bancroft St., Toledo, Ohio 43606-3390. Telephone (419) 530-4128 or (419) 530-2545 Fax (419) 530-7919 (c/o Department of Geography and Planning). E-mail: Patrick.Lawrence@utoledo.edu Internet: www.utoledo.edu/lss/geography/

PROGRAMS AND RESEARCH FACILITIES: The department's undergraduate and graduate curricula are designed to provide theoretical and technical skills necessary for future academic and nonacademic careers. A wide selection of courses and seminars allows students to sculpture individualized programs within the range of faculty interests, offered curriculum, and contemporary geographical issues and problems.

Undergraduate and graduate students choose an area of specialization from the following list: Geographic Information Science and Remote Sensing, Economic Geography, Community and Urban Planning, Environmental Geography/Planning, and Cultural and Behavioral Geography. Students choose from courses and seminars offered in other campus programs to supplement their instruction and broaden their perspective. In addition, each graduate experience is further

enhanced by our graduate internship program featuring paid internships in local/regional agencies and firms.

Offerings by the department are accentuated by a state-of-the-art Center for Geographic Information Science and Applied Geographics (GISAG), a spatial analysis teaching laboratory, a remote sensing laboratory, and the Lake Erie Center for Research and Education. Students have convenient access to campus, local and regional reference and research libraries, media centers, and computer clusters.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate Program: Semester system with a three-session summer semester. A college preparatory high-school program is required with possible admission based on completion of noncredit makeup courses. Scholarships and financial aid are available, especially for state residents.

MA Program: The program is on the semester system. All students must complete a minimum of 36 hours of approved study including a six-semester hour thesis. There is a comprehensive examination for admittance to candidacy. Also required is either appropriate supervised teaching assistant experience or a planning internship. For most students, two academic years are needed to complete the program. Applicants should hold a bachelor's degree in geography or a related field. Others are admitted who are willing to take additional appropriate work. Usually a student will present a GPA of at least 2.7 (4.0 scale) and must score satisfactorily on the Graduate Record Examination. Graduate teaching and research assistantships, University and other fellowships, and remunerative graduate planning internships are available to most qualified applicants.

PhD Program: Spatially Integrated Social Science—A program designed around the application of geographic information science, spatial statistics, spatial econometrics and spatial analysis to study the spatial dimension of human and social dynamics, including interaction of individuals and society, government and market participants. Applicants should hold a master's degree in a social science discipline with a minimum of one course in multivariate statistics and two courses in geographic information systems. The Graduate Record Examination is required for admission. All students must complete 36 hours of approved study and 24 dissertation hours. Graduate teaching and research assistantships, University and other fellowships are available to most qualified applicants.

FACULTY:

Bhuiyan M. Alam, Ph.D., 2005, Florida State University, Associate Professor — Urban and Regional Planning

Kevin P. Czajkowski, Ph.D., 1995, University of Michigan, Professor — Climatology, Remote Sensing, Hydrology

Daniel J. Hammel, Ph.D., 1994, University of Minnesota, Professor — Urban and Regional Planning, Human Geography

Patrick L. Lawrence, Ph.D., 1996, University of Waterloo, Professor and Chair — Environmental and ecosystem planning, environmental applications in remote sensing, coastal and shoreline management land use/growth management, natural resource planning

Peter S. Lindquist, Ph.D., 1988, University of Wisconsin-Milwaukee, Associate Professor — GIS, Digital Cartography, Location Theory, Transportation

Neusa Hidalgo-Monroy McWilliams, Ph.D., 1996, University of California, Berkeley, Lecturer — Latin America

David J. Nemeth, Ph.D., 1984, University of California, Los Angeles, Professor — Cultural, Asia, Architecture and Ideology, Informal Economies

Neil Reid, Ph.D., 1991, Arizona State, Professor — Industrial Geography, Economic Geography, Economic Development

Sujata Shetty, Ph.D., 2002, University of Michigan, Associate Professor — Urban Planning,

M. Beth Schlemper, Ph.D., 2000, University of Wisconsin-Madison, Assistant Professor — Cultural and Historical, Human Geography

EMERITI FACULTY:

Eugene N. Franckowiak, Ph.D., Michigan, 1973, Professor Emeritus and Research Professor — Cartography, Latin America especially Andean America, environmental perception
Frank E. Horton, Ph.D., Northwestern, 1966, President Emeritus, Professor Emeritus — Transportation, urban geography
Donald W. Lewis, Ph.D., Ohio State, 1966, Professor Emeritus — Neighborhood revitalization, environmental planning and resource management, Anglo-America
William A. Muraco, Ph.D., Ohio State, 1971, Research Professor and Professor Emeritus — Economic (especially location theory), urban, quantitative research methods

OKLAHOMA

EAST CENTRAL UNIVERSITY

DEPARTMENT OF CARTOGRAPHY AND GEOGRAPHY

DATE FOUNDED: 1936

DEGREES OFFERED: B.S. in Cartography
(concentrations: Geotechniques; Geography)

DEGREES GRANTED 2012-2013: 14 Bachelors

MAJORS IN RESIDENCE (Fall 2012): 54

CHAIR: Gregory Plumb

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Robert Newcomer, Recruiting Coordinator, Department of Cartography and Geography, East Central University, Ada, Oklahoma 74820. Telephone (580) 559-5697. Fax (580) 559-5606. E-mail: rnewcomer@ecok.edu. Internet: www.ecok.edu/cartogeo

PROGRAM AND RESEARCH FACILITIES:

The Department offers a curriculum leading to a B.S. in Cartography with a concentration either in Geotechniques or Geography. Non-majors may minor in either Cartography or Geography. The Geotechniques concentration focuses upon the analytical, theoretical, and technical skills necessary for employment as a cartographer, GIS analyst, and related professions. The Geography concentration follows a more traditional curriculum in the discipline, training the student to think spatially thus offering a set of unique skill sets to a variety of vocations. Selection of a minor complements the major. Both degrees prepare outstanding students for graduate school. As a state-funded regional university, our students have the opportunities of a modest-size campus, while our small department offers highly individualized instruction. Prior to graduation, each student also has the opportunity for a paid internship and is encouraged to participate in a professional meeting.

Department facilities include a Conference Room & Study, Oklahoma Geography Room, Earth Science lab, and Spatial Graphics & Analysis lab. The latter consists of nineteen dual monitor workstations and LCD projector for classroom presentations. Applications pertinent to the discipline include the latest versions of ArcGIS, ArcGIS extensions, ENVI, and animation software. In addition, students have access to SPSS, Excel, Word, Powerpoint and other computer applications. There is also a Remote Sensing & Geotechniques lab, housing two 3-D photogrammetric workstations, a large format plotter and digitizing tablet, and a high-end field GPS unit. The department is home to both the *Oklahoma Atlas Institute*, whose primary mission

is to maintain and promote the *Web Atlas of Oklahoma* (www.okatlas.org); and the institution's *NASA Scholar Program*.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system, with one eight week and two four week summer sessions and one week intersessions. Admission requirements for ECU can be obtained by visiting the following web page: www.ecok.edu/future-students-getting-started. Financial aid and student employment positions are readily available. Scholarship awards for cartography majors exceed \$13,000 annually, primarily due to a generous donation from Chesapeake Energy Corporation. The Gil Morgan Family Cartography Fund provides students with travel scholarships to help defray expenses to participate in field experiences and attend professional meetings. Undergraduate students from outside of Oklahoma may also be eligible for an out-of-state tuition waiver.

FACULTY:

William Lyon, Ph.D., Michigan, 1973, Visiting Adjunct Professor — Earth science, geochemistry, groundwater, energy resources
Mark Micozzi, Ph.D., Oklahoma, 2001, Professor — Biogeography, remote sensing, vegetation dynamics, field methods, geographic education, Lewis and Clark
Robert Newcomer, Ph.D., Cincinnati, 1996, Associate Professor — Population, sustainable development, cultural ecology, geographic education, conflict & resolution, Europe
Gregory A. Plumb, Ph.D., Kansas, 1988, Professor & Chair — Spatial analysis, thematic mapping, GIS, field studies, waterfalls, National Parks, geographic education

OKLAHOMA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1940

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.A., B.S., M.S., Ph.D.

(Geography), M.S., Ph.D. (Environmental Science)

GRANTED AY 2012-2013: 10 Bachelors, 3 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 42 Majors, 18 Masters, 23 Ph.D.

HEAD: Dale R. Lightfoot

DEPARTMENT ADMINISTRATIVE ASST: Ann Adkins

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Emily Williams, Graduate Secretary, 337 Murray Hall, Oklahoma State University, Stillwater, Oklahoma 74078-4073. Telephone (405) 744-6250. Fax (405) 744-5620. E-mail: emily.c.williams@okstate.edu. Internet: www.geog.okstate.edu.

PROGRAMS AND RESEARCH FACILITIES:

Programs of study lead to Bachelor's, Master's, and doctoral degrees in Geography. The Department also sponsors students in the university's interdisciplinary Environmental Science M.S. and Ph.D. program. Students can earn a Certificate in Geographic Information Systems concurrently with their graduate or undergraduate degree in geography. Coursework is oriented toward problem solving skills and techniques and considerable leeway is granted the student with respect to the selection of course offerings within and outside the Department. Students may generalize, or develop plans of study to accommodate specialties in one of the Department's three areas of emphasis: (1) *Resource Management*: Faculty interests focus on agriculture, transportation, atmospheric/surface modeling, outdoor recreation management, soils, water, and the economics and policy of resource allocation and use. The application of GIS methodologies in

addressing resource management problems is especially encouraged. (2) *Cultural and Historical Geography*: The Department has a longstanding tradition of research in cultural geography. Areas of faculty expertise include the geography of sport, language, traditional technology, and Native Americans. Faculty are also involved in research projects related to historic preservation, urban history, geoarchaeology, and cultural and political ecology. (3) *Urban and Transportation Geography*: The Department has long supported studies in the cultural and economic impact of urban places and the development and structure of urban places in the Great Plains and American South. Faculty interests in transportation focus on the economic impacts of transportation infrastructure and the development of transport/logistics databases and end-user transport applications of GIS.

Research and travel experience give faculty strength in several geographic regions, especially Central Asia, Australia, Latin America, and the Middle East. Two international journals are edited by Department faculty: the *Journal of Cultural Geography* and the *Journal of Central Asian Studies*. In addition to academic careers, the Department's applied orientation prepares students for careers in government, business, and industry. Internship opportunities are available in both the private and public sectors.

Located in a newly remodeled building at the south entrance to campus, the Department provides space for faculty and graduate offices, two GIS training facilities, a physical geography laboratory, the Keso Seminar Room, and a palynology/paleoecology research laboratory. Two campus centers are managed by the Department: the OSU Cartography Service, a full-service production cartography facility, and the Center for Applications of Remote Sensing which includes UAV/UAS equipment and expertise for remote sensing instruction and research. The University Library has substantial geography and periodic holdings as well as map, aerial photography and documents collections, and the department's Drummond Map Library holds additional special collections. Students and faculty also have access to surface weather data reported by automated stations of the Oklahoma Mesonet in a near-real-time GIS environment. The Department's computer facilities are equipped with 24 instructional computers, a large format color scanner, 11x17 color printer, and two large format color printers capable of E-size printing. These labs are available for digital cartography (Adobe Illustrator, Corel Draw), the Global Positioning System (Trimble's Pathfinder Office), geographic information systems (ESRI's ArcGIS - ArcInfo), and remote sensing (ERDAS, ENVI, IDRISI, and AgiSoft 3-D modeling).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Undergraduate: Students may earn a B.A. or B.S. degree in geography. Forty-five semester hours of coursework are required for a major in geography. Students must earn a 2.5 GPA (4.0 basis) in the major in order to graduate. Various scholarships, travel grants, internships, and work-study assistance programs are available. The Department has scholarships for an outstanding junior, an undergraduate travel scholarship, as well as several scholarship awards for graduate students. Students can also elect to earn a certificate in Geographic Information Systems (GIS) or a minor in geography.

Graduate: The Department offers the M.S. and Ph.D. degrees in geography. We maintain specialties in resource management, cultural and historical geography, and urban and transportation geography. Specific plans of study are tailored to individual student interests within these specialties. The M.S. degree usually requires two academic years (four semesters) and admission is predicated on submission of academic transcripts, GRE scores, and letters of reference from persons familiar with the student's academic performance and potential. The thesis option requires 30 semester hours of coursework, including the thesis, while the non-thesis alternative requires 36 hours and completion of a creative component

project. In addition to the M.S. requirements, the Ph.D. degree requires a minimum of 60 credit hours. Admission requirements include a completed M.S. degree or equivalent and demonstration of research potential through the completion of a M.S. thesis or equivalent. The Departmental Graduate Committee accepts admissions applications throughout the year and will render decisions on admission and/or funding as soon as practical.

Certificate in GIS: Admission to the certificate program in GIS is open to any student enrolled as an undergraduate, graduate student, or special student at OSU. To earn the certificate a student must complete nine hours of prerequisite coursework, a minimum of 12 credit hours of coursework in GIS and related subjects, and have completed a bachelor's degree from OSU or another accredited college or university. Additional information about the Certificate in GIS can be obtained by writing to the department.

Financial Aid: Masters teaching and research assistantships carry monthly stipends of \$1,203.00 and Doctoral Teaching Associate and research positions carry a monthly stipend of \$1,553.00. All assistantships include a waiver of out-of-state tuition, plus all tuition waived up to the amount needed for the degrees (30 for MS and 60 for PhD; up to 12 hours per semester). Summer assistantships may also be available. Special minority assistantships and tuition scholarships are available for Oklahoma residents.

FACULTY:

- Brad A. Bays, Ph.D., Nebraska, 1996, Associate Professor* — historic preservation, historical GIS, Native Americans, agricultural history, Great Plains, Oklahoma
- Jonathan C. Comer, Ph.D., Ohio State, 1994, Professor* — location analysis, wireless communications, rural transportation, quantitative methods
- Carlos Cordova, Ph.D., Texas, 1997, Professor* — Quaternary paleoecology, geomorphology, geoarchaeology, Great Plains, Middle East, Black Sea region, southern Africa
- John Davenport, Ph.D., Kentucky, 2008, Visiting Assistant Professor* — natural resource management, environmental geography, forest ecosystem restoration
- G. Allen Finchum, Ph.D., Tennessee, 1992, Associate Professor* — urban, GIS, sport, population geography, United States/American South
- Amy E. Frazier, Ph.D., University at Buffalo, 2013, Assistant Professor* — remote sensing, landscape ecology, natural resource management, human-environment interactions, spatial analysis
- Alyson L. Greiner, Ph.D., Texas, 1996, Professor* — cultural, historical, history of geography, folk architecture and historic preservation, necrogeography, Europe, Australia/Pacific
- Reuel R. Hanks, Ph.D., Kansas, 1993, Professor* — political, ethnic, Central Asia, Russia
- Dale R. Lightfoot, Ph.D., Colorado, 1990, Professor and Head* — natural resource management, water resources, historic water technology, cultural ecology, North Africa/Middle East/Central Asia
- Adam Mathews, Ph.D., Texas State, 2014, Assistant Professor* — GIS/GPS/remote sensing applications, 3-D modeling, vineyard site location and analysis
- Rebecca A. Sheehan, Ph.D., Louisiana State, 2006, Associate Professor* — cultural, historical, tourism, public space, homelessness, identity, community, alternative spaces and places
- Stephen J. Stadler, Ph.D., Indiana State, 1979, Professor and State Geographer of Oklahoma* — applied climatology, wind power, remote sensing
- Jacqueline Vadunec, Ph.D., Clark, 2007, Associate Professor* — human dimensions of global environmental change, people, trees and forests, common property resource management, cultural and political ecology
- Thomas A. Wikle, Ph.D., Southern Illinois, 1989, Professor and Associate Dean* — resource management, public lands, wireless communication systems

Hongbo Yu, Ph.D., Tennessee, 2005, Associate Professor — transportation geography, GIS, time geography

STAFF AND AFFILIATED FACULTY:

April L. Chipman, M.S., Oklahoma State, 2004, GIS Specialist/Cartography Service

Michael P. Larson, M.S., Oklahoma State, 2003, Coordinator, OSU Cartography Service

Jing Wang, M.S., Clark, 2013, Coordinator, Center for Applications of Remote Sensing

John F. Rooney, Jr., Ph.D., Clark, 1966, Regents Professor Emeritus — sport and recreation, geo-demographics, United States

Ricky Jones, M.S. Oklahoma State, 1979, Instructor — urban planning

Matthew Tueth, Ph.D., Oklahoma State, 2000, Adjunct Assistant Professor — natural resources, state and national parks recreation management

UNIVERSITY OF OKLAHOMA

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL SUSTAINABILITY

DATE FOUNDED: 1946

GRADUATE PROGRAM FOUNDED: 1930

DEGREES OFFERED: B.A., B.S., M.A., Ph.D. in Geography; B.A., B.S. in GIS; and B.A., B.S., M.S. in Environmental Sustainability

GRANTED 9/1/13-8/31/14: 47 Bachelors, 4 Masters, 4 Ph.D.

STUDENTS IN RESIDENCE: 180 Bachelors, 22 Masters, 25 Ph.D.

CHAIR: Aondover Tarhule

DEPARTMENT ADMINISTRATIVE ASSISTANT:
Deborah Marsh

FOR CATALOG AND FURTHER INFORMATION

CONTACT: General Information: Dr. Aondover Tarhule, atarhule@ou.edu; Graduate Program: Dr. Fred Shelley, Graduate Liaison, fshelley@ou.edu; Undergraduate Program: Dr. Darren Purcell, Undergraduate Advisor, dpurcell@ou.edu; Department of Geography and Environmental Sustainability, 100 E. Boyd St., SEC 510, University of Oklahoma, Norman, Oklahoma 73019-1007. Telephone (405) 325-5325. Fax (405) 325-6090.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography and Environmental Sustainability offers undergraduate degrees in Geography (B.A., B.S.), Geographic Information Science (B.A., B.S.) and Environmental Sustainability (B.A., B.S.), a master's degree (M.S.) in environmental sustainability, as well as graduate (M.A., Ph.D.) degrees in geography.

Course offerings and research opportunities in Geography are concentrated in three major areas of specialization: human geography, physical geography, and geospatial sciences, including GIS and remote sensing. Research emphases within human geography include cultural geography, political geography, and political ecology. Within physical geography, faculty research emphasizes work in biogeography, climatology, geomorphology, and hydrology. Research in remote sensing and geographic information systems emphasizes integrated geospatial technologies for analyzing the effect of humans and climate on the global vegetative land surface.

All Environmental Sustainability students take a common set of six core courses to give them strong grounding in the principles of environmental sustainability. Subsequently, students may specialize in one of three areas of concentration. These are: *Sustainability Science and Natural Resources*. This concentration focuses on the physical environmental or ecosystem aspects of sustainability as well as the

forces impacting on it. *Sustainability Planning and Management*. This concentration focuses on how organizations and institutions perceive, adopt, and implement sustainability programs and practices. *Sustainability, Culture, and Society*. This concentration focuses on the human dimensions of sustainability, including the dynamics driving the perception and management of sustainability in different societies and cultures around the world.

Regional research specialties of the faculty include North America (especially the Southwest and Great Plains), Latin America, South Asia, West Africa, and Europe/Russia.

The Department strongly encourages faculty-student collaboration in research and teaching and emphasizes strong mentoring relationships with graduate and undergraduate students. Affiliate centers include The Oklahoma Alliance for Geographic Education (OKAGE), the Environmental Verification and Analysis Center (EVAC), and the Oklahoma Wind Power Initiative (OWPI). The many resources of the University include the Center for Spatial Analysis, the National Weather Center, the Oklahoma Climate Survey, the Oklahoma Biological Survey, the Oklahoma Geological Survey, the Western History Collections, the NASA Space Grant Consortium, and the History of Science Library. The University has approved the setting up of a new Water Survey and it is host to the South Central Climate Science Center

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University operates with two semesters and a summer session. Graduate teaching and research assistantships are available to qualified doctoral and master's students. In addition, individual faculty members support students from research grants and contracts. Other scholarships and financial aid packages are available from University sources.

An application for admission must be accompanied by official transcripts, two letters of recommendation, official GRE scores, and a statement of research interests and goals. Graduate applicants are strongly encouraged to identify and contact potential research advisors. Applicants for graduate assistantship positions should submit application materials by January 15 in order to ensure consideration for the next academic year.

FACULTY:

Kirsten de Beurs, Ph.D., Nebraska-Lincoln, 2005, Associate Professor — impacts of humans and climate on global vegetative land surface, phenology, remote sensing, GIS

Todd Fagin, Ph.D., Oklahoma, 2009, Lecturer — biogeography, landscape ecology, GIS

J. Scott Greene, Ph.D., Delaware, 1994, Professor — synoptic and applied climatology, climate change, renewable energy

Gary Gress, Ph.D., Oklahoma, 2000, Lecturer and Coordinator of the Oklahoma Alliance for Geographic Education — cultural geography, geographic education

Sally L. Gros, Ph.D., Oklahoma, 1992, Lecturer — conservation, natural resources, remote sensing

Bruce Hoagland, Ph.D., Oklahoma, 1995, Professor and Oklahoma Natural Heritage Biologist — landscape ecology, plant community ecology, biogeography

Jennifer Koch, Ph.D., University of Kassel, Germany, 2010, Assistant Professor — Regional and continental scale land use land cover change and use, ecological modeling, multi-agent simulation, GIS

Renee McPherson, Ph.D., Oklahoma, 2003, Associate Professor and Oklahoma State Climatologist — regional and applied climatology, mesoscale meteorology, land-air-vegetation interactions, climate variability and change, surface weather observing systems

Mark Meo, Ph.D., University of California, Davis, 1983, Professor — strategic policy innovation and social learning, corporate environmental management, clean fuels and sustainable energy systems, climate policy

Karl Offen, Ph.D., Texas, 1999, Associate Professor — historical geography, Latin America, political ecology, history of cartography

Darren Purcell, Ph.D., Florida State, 2003, Associate Professor and Undergraduate Advisor — political geography, critical geopolitics, social media and space, humor

Robert A. Rundstrom, Ph.D., Kansas, 1987, Associate Professor — cultural geography, historical geography, indigenous peoples, United States

Mark Shafer, Ph.D., Oklahoma, 2005, Adjunct Associate Professor — hazard preparedness and mitigation, adaptation to climate change, local and state government, use of scientific information in policy decisions, climate services

Fred M. Shelley, Ph.D., Iowa, 1981, Professor — political geography, cultural geography, North America

Laurel C. Smith, Ph.D., Kentucky, 2005, Associate Professor — geopolitics of knowledge production, indigenous peoples, cultural geography, the Americas

Aondover A. Tarhule, Ph.D., McMaster, 1997, Associate Professor and Chair — hydroclimatology, hydrology, water resources

Bret Wallach, Ph.D., UC–Berkeley, 1968, Professor — cultural geography, regional studies

Jadwiga Ziolkowska, Ph.D., Humboldt University of Berlin, 2007, Assistant Professor — Environmental economics, water and energy economics, Biofuels and renewable energy, Decision making under uncertainty, Sustainability and climate change, mathematical methods and programming.

EMERITUS FACULTY:

Marvin W. Baker, Jr.
L. Dee Fink
Richard L. Nostrand
Neil E. Salisbury
Hans-Joachim W. Spaeth
Stephen M. Sutherland
Gary L. Thompson

OREGON

CHEMEKETA COMMUNITY COLLEGE

SOCIAL SCIENCE PROGRAM

DATE FOUNDED: 1970

DEGREES OFFERED: A.A. Geography

GRANTED: N/A

MAJORS: N/A

SOCIAL SCIENCE PROGRAM DEAN: R. Taylor

PROGRAM ADMINISTRATIVE ASSISTANT: Amber McMurray

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Social Science Program, Chemeketa Community College, 4000 Lancaster Dr. NE, Salem, OR 97305. (503) 399-5048, www.chemeketa.edu.

PROGRAMS AND RESEARCH FACILITIES:

Chemeketa Community College offers approximately one dozen transferable courses in Geography and several in G.I.S.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Chemeketa Community College operates on a quarter system. Any person 18 years or older may enroll in Chemeketa classes.

FACULTY:

Steve Wolfe, M.A., University of Missouri-Columbia, 1993 — Oregon, Physical, Natural Hazards, Middle East, U.S. & Canada, World Regional

ADJUNCT FACULTY:

Megan Cogswell, M.S., Oregon State University — Cultural, Economic
Lori Cole, M.A., California State University-Chico — Cultural

OREGON STATE UNIVERSITY

COLLEGE OF EARTH, OCEAN, AND ATMOSPHERIC SCIENCES (CEOAS)

DATE FOUNDED: 1946 (Geography); 1989 (Geosciences); 2012 (CEOAS)

GRADUATE PROGRAM FOUNDED: 1952

DEGREES OFFERED: Earth Science (Geography

Option) B.S.; Geography M.A., M.S., Ph.D.;

DIRECTOR OF GEOGRAPHY: Julia A. Jones

DEPARTMENT ADMINISTRATIVE ASST: Stacey Schulte

FOR FURTHER INFORMATION WRITE TO: Stacey Schulte, Geography Program Assistant, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, 104 CEOAS Admin Building, Corvallis, Oregon 97331-5503. Telephone (541) 737-1201. Fax (541) 737-1200. E-mail: stacey.schulte@oregonstate.edu Internet: <http://ceoas.oregonstate.edu/academics>

PROGRAMS AND RESEARCH FACILITIES:

Undergraduate students can obtain an option in Geography as part of the Earth Sciences major. The option includes coursework in physical geography; geography of resources, planning and hazards; GIScience; and regional geography/globalization, as well as field experiences and training in basic geographic techniques. Graduate studies and research in Geography include three areas of excellence:

Geospatial technologies and analysis. Many careers in geography involve geospatial technologies and analysis applied to research, teaching, government and industry. Geography at OSU helps graduate students to obtain an integrated training in GIS, cartography, remote sensing, geovisualization, geospatial intelligence, spatial statistics and modeling, and web mapping. Students may select geographic information science as a graduate area of concentration as part of the MA, MS, or PhD in Geography. Graduate students also can obtain a GIS certificate.

Water, climate, and society. Access to water resources is essential for human health and societies, yet water resources are unevenly distributed in space and time, while climate variability and change may intensify conflicts over water. Geography at OSU helps graduate students to obtain an integrated training in surface processes, climatology, biogeography, water policy, and water management. Students may select physical geography or resource geography as a graduate area of concentration as part of the MA, MS, or PhD in Geography. Graduate students also can obtain an online certificate in water conflict. Faculty engaged in research, instruction, and advising in this area include

Resources, planning, and hazards. Natural resources, planning, and hazards are ideal topics for geographic study because they link physical processes governing natural hazards with factors such as social vulnerability, planning, and resource management. Many

aspects of these issues have a strong regional focus. Geography at OSU helps graduate students to obtain an integrated training in the geography of resources, land use, and rural and regional resource evaluation. Students may select physical geography or resource geography as a graduate area of concentration as part of the MA, MS, or PhD in Geography.

Program facilities include an instructional computer lab, GIS capable computer classrooms, enhanced digital projection classrooms, and remote sensing, GIS geovisualization and geospatial intelligence research laboratories. In addition, the Corvallis community is home to an EPA Laboratory and U.S. Dept. of Agriculture and U.S. Forest Service facilities that are active in GIS, remote sensing and spatial modeling research, which provides additional opportunities for work and research for many students. Research and teaching assistantships are competitively awarded to well qualified students. One foreign language is required for a Ph.D. degree. Masters students may elect either a thesis, or a non-thesis option.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate:

Admission requirements: 3.00 high school GPA or University approved alternatives. Transfers must have GPA of 2.25 (2.50 for nonresidents). Quarter system.

Financial aid: Scholarships, grants, loans and part-time employment (<http://oregonstate.edu/admin/finaid>).

Graduate:

Admission requirements: 3.00 GPA on entire baccalaureate or on last 90 quarter credits (60 semester credits) and a 4-year baccalaureate degree from an accredited college or university, and three letters of recommendation. GRE required. Quarter system.

Financial aid: Tuition waivers, teaching and research assistantships. Completed application must be received by January 5 for Fall Term admission & TA/RA consideration.

FACULTY:

Laurence Becker, PhD, London School of Oriental and African Studies, 1989, Professor — agricultural food systems, development, Africa

Lorene Yokoyama Becker, MS, University of Wisconsin-Madison, 1999 — geographic information systems and sustainability

Michael E. Campana, PhD, Arizona, 1975, Professor — hydrology, transboundary water resource issues, water allocation and availability

Steve Cook, PhD, University of Florida, 1995, Senior Instructor — environmental sustainability

Hannah Gosnell, PhD, Colorado, 2000, Associate Professor — land use, biodiversity, conservation, water resources

Tony Grubisic, PhD, The Ohio State University, 2001, Associate Professor — geospatial intelligence, big data and geocomputation

Demian Hommel, PhD, Oregon, 2009, Instructor — cultural geography, natural hazards

Shireen Hyrapiet, PhD, Oklahoma State, 2012, Instructor — political ecology, disaster management, cultural geography

Todd Jarvis, PhD, Oregon State University, 2006, Assistant Professor (Senior Research) — water resources conflict resolution, groundwater

Bernhard Jenny, PhD, ETH Zurich, 2009, Assistant Professor — cartographic design, geovisual analytics, geovisualization

Julia A. Jones, PhD, Johns Hopkins, 1983, Professor — landscape ecology, spatial statistics, hydrology, informatics

Anne Nolin, PhD, UC Santa Barbara, 1993, Professor — remote sensing, snow and ice in the climate system

Mary V. Santelmann, PhD, Minnesota, 1988, Associate Professor (Senior Research) — biogeography, biodiversity, ecology, plant physiology

Aaron T. Wolf, PhD, Wisconsin, 1992, Professor — water resources, policy and planning, Middle East geopolitics

GEOGRAPHY COURTESY FACULTY:

Christopher Daly, PhD, Oregon State University, 1994, Professor — climate mapping, PRISM

Jim Graham, PhD, Colorado State University, 2006, Assistant Professor (Humboldt State University — GIS, geospatial programming

Sean Fleming, PhD, University of British Columbia, 2004, Assistant Professor — hydroclimatology

Gordon Grant, PhD, Johns Hopkins, 1986, Professor (US Forest Service PNW Station) — fluvial geomorphology

Steven W. Hostetler, PhD, Oregon, 1988, Associate Professor, Research (USGS) — regional climate modeling, hydrology

Helen Jenny, PhD, ETH Zurich, 2011, Institutional Postdoc — geographic information science

Heather Lintz, PhD, Oregon State University, 2010, Assistant Professor, Senior Research — statistical ecology, climate change, plant phenology

Sarah Shafer, PhD, Oregon, 2000, (Project Chief, USGS) — species and ecosystem response to projected future climate change

Jenna Tilt, PhD, University of Washington, 2007, Faculty Research Associate — urban ecology, rural and regional planning

Denis R. White, MA, Boston University, Research Assistant — geographic analysis and synthesis

Dawn Wright, PhD, UC, Santa Barbara, 1994, Courtesy Professor — geographic information systems and spatial analysis, marine geography, informatics and cyberinfrastructure, geographic information science in higher education

PORTLAND STATE UNIVERSITY

GEOGRAPHY DEPARTMENT

DATE FOUNDED: 1959

GRADUATE PROGRAM FOUNDED: 1969

DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.
(Earth, Environment, & Society), Graduate GIS Certificate

GRANTED 9/1/2012-8/31/2013: 51 Bachelors, 14 Masters, 38 GIS grad certificates

STUDENTS IN RESIDENCE: 99 Majors, 40 Masters, 110 GIS grad certificate

CHAIR: Heejun Chang, Ph.D.

DEPARTMENT ADMINISTRATOR: Karin Waller, M.S.

FOR FURTHER INFORMATION WRITE TO: Geography Department, Portland State University, P.O. Box 751, Portland, Oregon 97207-0751. Telephone (503) 725-3916. Fax (503) 725-3166. E-mail: geog@pdx.edu. Internet: www.pdx.edu/geography

PROGRAMS AND RESEARCH FACILITIES:

The Geography Department at Portland State University (PSU) links environmental studies and cultural studies in programs centered on environmental issues, social and cultural landscapes, sustainability in urban and natural areas, and geographic information science. Coursework emphasizes systematic and regional approaches to understanding the physical environment and human-environment interactions. Techniques classes (in GIS, remote sensing, spatial analysis, and cartography) provide the tools to analyze complex local, regional, and global phenomena. PSU's location in downtown Portland, with easy access to the Pacific Coast, the Cascade Mountains, and the Willamette Valley, provides ample opportunity for field work-based classes and field work opportunities for research in urban, rural, and wilderness sites. Numerous local, state, and federal agencies are within walking or driving distance, providing opportunities for applied research in a wide variety of areas. Faculty engage in local, regional, and international research projects in hydrology, water resources, ecosystem services,

biogeography, climate change, sustainable resource use, land use analysis, cultural and political ecology, the urban environment, geographic education and geographic information science.

Areas of concentration include:

Environmental Geography and Natural Resource Management: The examination of environmental change and human influences on natural resources; conservation, cultural and political ecology, environmental ethics and resource management are also department interest areas.

Spatial Analysis, Data Representation, and Technology: Techniques for the measurement, collection, analysis, and display of spatial data. Areas of emphasis include cartography, scientific visualization, geographic information systems, remote sensing, global positioning systems, data mining, knowledge discovery, and quantitative methods.

Physical Geography: The natural environment of the earth as a set of interrelated systems. Geographic specialties include hydrology and water resources, climatology, geomorphology and soils, biogeography, and alpine environments.

Cultural and Human Geography: The role of culture and the built and natural environment in informing human behavior and shaping places in urban, rural, and overseas locations. Faculty interests include: analysis of place and landscape, cultural and political ecology, rural landscapes, urban morphology, and urban natural areas.

Regional Analysis and International Studies: Focus on the distinctive character of various regions of the world, particularly how nature and society have interacted over time to shape places and landscapes. Regions of particular interest include East Asia, South Asia, Central and South America, Europe, and North America.

Research and teaching facilities within the department include an instructional laboratory featuring networked Windows workstations, two ArcGIS servers, a large format plotter, scanners, and printers. The Department's Center for Spatial Analysis & Research (CSAR) supports research and teaching in cartography, GIS, remote sensing, and quantitative analysis. A GIS/Cartography research lab is also available for graduate student project use. Additional computing facilities for teaching and research are available throughout the campus. A campus-wide ESRI site license provides access to ArcGIS and related spatial-analysis extensions. Other software packages in the lab include ENVI, Adobe Illustrator, Google Sketchup Pro, and Pathfinder Office. The department also supports student use of a variety of open-source graphics and statistical software. Physical geography facilities include equipment for the field and laboratory analysis of soils, water, and tree rings. The University Library houses a map and atlas collection in addition to its nearly 1,000,000 volumes.

The department cooperates with interdisciplinary graduate programs on campus, including the Earth, Environment, and Society Ph.D. program in the School of the Environment (SOE) and the MAT/MST program in Social Science. The SOE doctoral program offers courses in resource management, geographic information science, physical geography, and human geography. The Geography Department also offers the Graduate Certificate in Geographic Information Systems.

Graduate students are provided with shared office space and facilities for both research and interaction with faculty and other students. Research opportunities for graduate students are varied. PSU's urban location provides many opportunities for internships with numerous federal, state, and local agencies in Portland. Students may be involved in faculty research projects. There are two student groups: Friends of Geography (FOG) and a student chapter of the American Society for Photogrammetry and Remote Sensing (ASPRS).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

PSU follows the quarter system. Incoming students begin in the fall term. For admission to graduate study a student should normally have completed the minimum preparation for an undergraduate major in geography with a 3.0 average in all undergraduate work. A combined score of 297 on the verbal and quantitative portions of the GRE is required. Students with majors in other fields are encouraged to apply if they can demonstrate the ability to pursue graduate work in geography. Students seeking the M.A. degree must demonstrate their competence in the use of a foreign language for geographic research; those preparing for an M.S. degree must show proficiency in advanced techniques in geography. Students in the M.A. program must complete a thesis. Those in the M.S. program may choose between thesis and non-thesis (research paper) options. The department has a limited number of assistantships and scholarships, and awards will be given based on each student's merit. Students interested in the Earth, Environment, and Society Ph.D. through the School of the Environment should contact the faculty member with whom they would like to work.

FACULTY:

Sona Andrews, Ph.D., Arizona State University, 1981, Provost and Vice President for Academic Affairs, Professor of Geography, Portland State University

David Banis, M.S., Portland State University, 2004, Associate Director of CSAR and Adjunct Instructor — applied GIS, map design, cultural geography, natural resource management

Barbara Brower, Ph.D., University of California-Berkeley, 1987, Professor — resource policy, mountain peoples and environments, pastoralism, highland Asia, American West, cultural ecology

Teresa L. Bulman, Ph.D., University of California-Davis, 1990, Professor — Research in Geography Education; teaching in climate and water resources

Heejun Chang, Ph.D., Pennsylvania State University, 2001, Professor and Chair — hydrology and water resources, climate change impact assessment, hydrologic ecosystem services, stream restoration, visual spatial analysis, GIS applications in hydrology and water resources

Britt Crow-Miller, Ph.D., University of California, Los Angeles, 2013, Assistant Professor — environmental politics, development, political ecology, water resources, China

Jiunn-Der (Geoffrey) Duh, Ph.D., University of Michigan, 2004, Associate Professor — geographic information systems theory and application, remote sensing, land use and land cover change

Andrés Holz, Ph.D., University of Colorado, Boulder, 2009, Assistant Professor — forest dynamics, disturbance ecology, climate-fire-human relationships

Martin Lafrenz, Ph.D., University of Tennessee, 2005, Assistant Professor — geomorphology and water resources, land use change, geographic information systems

Hunter Shobe, Ph.D., University of Oregon, 2005, Assistant Professor — cultural and urban geography

Martin Swobodzinski, Ph.D., San Diego State University/University of California-Santa Barbara, 2012, Assistant Professor and Director of Center for Spatial Analysis & Research (CSAR) — behavioral geography, geographic information science, human-computer interaction, individual decision making, public participation, transportation

RESEARCH AND AFFILIATED FACULTY:

Michael C. Houck, M.S.T., Portland State University, 1972, Urban Naturalist, Audubon Society of Portland; Director, Urban Greenspaces Institute; Loeb Fellow, Harvard University, 2003-04 — urban wildlife, wetlands, growth management

Tim Palmer, B.S., The Pennsylvania State University, 1971 — landscape architecture, rivers, landscape photography

Colin Thorne, Ph.D., University of East Anglia, U.K., 1978 — river science, fluvial geomorphology

EMERITI FACULTY:

Daniel M. Johnson, Ph.D., Arizona State University, 1977, Professor Emeritus — climatology, hydrology, resource management
D. R. Lycan, Ph.D., Washington, 1964, Professor Emeritus — demography, GIS, Canada
Joseph Poracsky, Ph.D., University of Kansas, 1984, Professor Emeritus — cartography/geographic visualization, applied GIS and remote sensing, urban natural areas/urban forest
Thomas M. Poulsen, Ph.D., Wisconsin, 1963, Professor Emeritus — USSR, Eastern Europe, world affairs, tourism
Larry W. Price, Ph.D., Illinois, 1970, Professor Emeritus — geomorphology, biogeography, periglacial environments, mountains
Martha A. Works, Ph.D., Louisiana State University, 1985, Professor Emeritus — Latin America, cultural geography, agriculture and food supply, rural sustainable development

UNIVERSITY OF OREGON

DEPARTMENT OF GEOGRAPHY**DATE FOUNDED: 1920s****GRADUATE PROGRAM FOUNDED: 1923****DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.****GRANTED 7/1/08-6/30/13: 195 Bachelors, 48 Masters, 15 Ph.D.****STUDENTS IN RESIDENCE: 152 Majors, 11 Masters, 24 Ph.D.****HEAD: Peter Walker****DEPARTMENT ADMINISTRATIVE ASST: Sandra Knauber**

FOR FURTHER INFORMATION WRITE TO: Administrative Assistant, Department of Geography, University of Oregon, Eugene, Oregon 97403-1251. Telephone (541) 346-4555. Fax (541) 346-2067. E-mail: uoгеог@uoregon.edu. Internet: geography.uoregon.edu.

PROGRAMS AND RESEARCH FACILITIES:

Research and graduate education in the Department of Geography focus on the subfields listed below:

Physical geography: Biogeography, climatology and climatic change, fluvial geomorphology, paleoecology, Quaternary studies;

Environmental studies: forest and ecosystem issues, river and watershed issues, biodiversity and global environmental change, policy and law;

Human geography: political-economic (especially international relations, territorial conflict, international development, globalization), cultural-social (especially historical geography, migration, race, ethnicity and identity, urban geography, gender studies and tourism), and human-environment relations (especially cultural/political ecology); and behavioral geography (especially spatial cognition, map use, and neuroimaging applications in behavioral research);

Geographic information science: cartography, GIS, data analysis and visualization, spatial analysis and modeling, and mapping for the blind and visually impaired;

Geographic education (especially teaching Advanced Placement and K-12 geography);

Regional geography: Africa, China, Europe, Latin American, the Middle East; and North America;

The Department houses the award-winning InfoGraphics Lab (<http://infographics.uoregon.edu/>), which focuses on integration of GIS and graphic design tools and techniques for map and atlas creation, interactive mapping, and visualization. The InfoGraphics

Lab conducts a wide variety of research projects sponsored by government agencies and other organizations. The Department also maintains field equipment and wet labs in support of physical geography research. The University Library Map and Aerial Photography Collection has extensive holdings of digital, current, and historical maps and aerial photography.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Quarter system. Admission Requirements: Lower division courses in the Department of Geography have no prerequisites. *Financial aid:* For questions regarding financial aid, scholarships, student loans, and work-study jobs, write: Office of Student Financial Aid and Scholarships, 1278 University of Oregon, Eugene, OR 97403-1278 or see financialaid.uoregon.edu.

The Department offers both B.A. and B.S. degrees in geography. The undergraduate program requires coursework in human, physical, regional geography, and geographic information science. Degrees require language training or a minimum of two terms of college-level mathematics.

GRADUATE: The Department selects for admission on the basis of a statement of purpose for pursuing graduate work, three letters of recommendation, GRE scores, and past academic records. Graduate Teaching Fellowships, which provide a stipend and cover out-of-state tuition, require assisting in courses, instructing a course, or working with a professor on a research grant. All non-native speakers of English must submit an IELTS or TOEFL score.

The Masters degree in Geography (M.A. or M.S.) focuses on developing a general understanding of the breadth of human and physical geography, and learning to do original research in a sub-field of geography. A thesis is required. The practice-oriented Master of Science in Geography Education is aimed at secondary school teachers. Coursework for this degree includes breadth courses in human geography, physical geography and geographic information science, and a final masters project that develops a learning activity based on original research for use in schools.

The Ph.D. program in Geography requires specialization in one or more sub-fields supported by the Department, development of appropriate research skills and methodologies for the sub-field, and completion of a dissertation that represents an original contribution to knowledge. Ph.D. students are also expected to develop background across the breadth of human and physical geography, as required for the Masters degree. Although the Department requires knowledge of the fundamentals of geography, it welcomes graduate applications from students whose undergraduate work has been in other disciplines. A number of teaching/research assistantships and internship opportunities are available on a competitive basis.

FACULTY:

Patrick J. Bartlein, Ph.D., Wisconsin-Madison, 1978, Professor — climatology, data analysis and visualization

Daniel P. Buck, Ph.D., UC-Berkeley, 2002, Assistant Professor, Asian Studies — rural-urban relations, industrialization, political economy, China

Shaul E. Cohen, Ph.D., Chicago, 1991, Associate Professor — political and cultural geography, environmental, Middle East, Northern Ireland

Daniel G. Gavin, Ph.D., Washington, 2000, Assistant Professor — biogeography, paleoecology

Derrick Hindery, Ph.D., UC-Los Angeles, 2003, Assistant Professor, International Studies Program — political ecology, indigenous peoples, Latin America

Amy K. Lobben, Ph.D., Michigan State, 1999, Associate Professor — cartography, spatial cognition and abilities, GIS, neuroimaging

W. Andrew Marcus, Ph.D., Colorado, 1987, Professor and Department Head — hydrology, fluvial geomorphology, remote sensing of rivers, Yellowstone and mountain environments

Patricia F. McDowell, Ph.D., Wisconsin-Madison, 1980, Professor — geomorphology, river management and restoration, Quaternary environments
James E. Meacham, M.A., Oregon, 1992, Senior Research Associate and Director, InfoGraphics Laboratory — cartographic design and production, geographic information systems
Katharine Meehan, Ph.D., University of Arizona, 2010, Assistant Professor — urban sustainability, water policy
Alexander B. Murphy, Ph.D., Chicago, 1987, Professor — political and cultural geography, Europe, law and geography
Xiaobo Su, Ph.D. National University of Singapore, 2007, Assistant Professor — cultural landscape, tourism, identity, China
Peter A. Walker, Ph.D., UC-Berkeley, 1997, Associate Professor — cultural and political ecology, human-environmental relations, Africa

EMERITI FACULTY:

Stanton A. Cook, Ph.D., UC, Berkeley, 1960
Susan W. Hardwick, Ph.D., UC-Davis, 1986
Carl L. Johannessen, Ph.D., UC, Berkeley, 1959
Clyde P. Patton, Ph.D., UC, Berkeley, 1953
Alvin W. Urquhart, Ph.D., UC, Berkeley, 1962
Ronald Wixman, Ph.D., Chicago, 1978

PENNSYLVANIA

BUCKNELL UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1940

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 4 Bachelors

MAJORS: 20

CHAIR: Adrian Mulligan

DEPARTMENT ACADEMIC ASSISTANT: Kim DiRocco

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Adrian Mulligan, Department of Geography, Bucknell University, Lewisburg, Pennsylvania 17837.
 Telephone (570) 577-1949. Fax (570) 577-3536. E-mail: amulliga@bucknell.edu. Internet: www.bucknell.edu/Geography

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography emphasizes critical spatial thinking concerning human-environment relations, political economy of global restructuring, sustainable development, social justice, and political, cultural and social geography at a range of scales –focusing in particular on gender, race, and nationalism. Regional emphases include North America, Latin America, the Caribbean and S.E. Asia. The department's strengths are complemented by its association with the International Relations Department, the Environmental Studies Program, and a number of study-abroad programs, in addition to its location that offers diverse field research opportunities.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Two semesters. For information on admissions and financial aid, contact the Office of Admissions, Freas Hall, Bucknell University, Lewisburg, Pennsylvania 17837.

FULL AND PART-TIME FACULTY:

Duane A. Griffin, Ph.D., Wisconsin-Madison, 1997, Associate Professor — biogeography, physical geography, geographic information systems

Ben Marsh, Ph.D., Pennsylvania State, 1983, Professor — geoarchaeology, human adaptation, mapping, spatial equity
Karen M. Morin, Ph.D., Nebraska-Lincoln, 1996, Professor — social, gender, historical
Adrian N. Mulligan, Ph.D. Arizona, 2001, Associate Professor and Chair — political, cultural, nationalism, Ireland and Irish America
Paul Susman, Ph.D., Clark, 1979, Professor — regional development, Third World development, Caribbean, Central America
Wilshusen, Peter, Ph.D., Michigan, 2003, Associate Professor of Environmental Studies — political ecology, environmental governance, Latin America

EDINBORO UNIVERSITY OF PENNSYLVANIA

DEPARTMENT OF GEOSCIENCES

DATE FOUNDED: 1945

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/12-8/31/13: 31

MAJORS: 135

CHAIR: Laurie Parendes

DEPARTMENT ADMINISTRATIVE ASST: Penny Tingley

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Laurie Parendes, Chair, Department of Geosciences, Edinboro University of Pennsylvania, Edinboro, PA, 16444. Telephone (814) 732-2529. Fax (814) 732-1691. E-mail: lparendes@edinboro.edu. Internet: <http://www.edinboro.edu>
 Search keyword: Geosciences

PROGRAMS AND RESEARCH FACILITIES: The Department offers a traditional B.A. degree in Geography and a B.A. in Geography with Concentrations in either Environmental Studies or Urban and Regional Planning. The Department also offers a B.S. degree in Geology and a B.A. in Earth Science. Courses cover a variety of regional and topical subjects in geography, environmental studies, urban / regional planning, and the earth sciences. Facilities include a GIS and cartography laboratory, a weather station, and a tree-ring laboratory. The department has a collection of topographic and other maps, aerial photographs, journals, and books. The University Library has over 400,000 volumes plus 1.5 million microform units. Major research universities and libraries in Pittsburgh, Cleveland, and Buffalo are within 100 miles of the campus.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system, plus summer sessions. For admissions information contact the Admissions Office. For financial aid information contact the Financial Aid Office.

FACULTY:

Richard Deal, Ph.D, South Carolina, 2000, Assistant Professor — cartography, GIS
Karen Eisenhart, Ph.D, Colorado, 2004, Associate Professor — physical geography, biogeography
Baher A. Ghosheh, Ph.D., SUNY-Buffalo, 1988, Professor — cultural geography, international trade, Middle East
Jeffrey J. Gryta, Ph.D., Penn State, 1987, Associate Professor — geomorphology, hydrology, environmental geology
David W. Hurd, Ph.D., Cleveland State, 1997, Professor — atmospheric and space science
Tadesse Kidane-Mariam, Ph.D., Iowa, 2001, Assistant Professor — urban and regional planning, Africa, environment and habitat management

Henry W. Lawrence, Ph.D., Oregon, 1985, Professor — environmental geography, Latin America
 Wook Lee, Ph.D., Ohio State, Assistant Professor — urban and transportation geography, urban and regional planning, GIS, and spatial analysis / quantitative methods
 Kerry A. Moyer, Ph.D., Penn State, 1993, Professor — meteorology, climatology
 Laurie A. Parendes, Ph.D., Oregon State, 1997, Professor and Chair — environmental issues, biogeography, water resources
 Joseph F. Reese, Ph.D., Texas at Austin, 1995, Professor — structural geology
 Eric Straffin, Ph.D., Nebraska, 2000, Professor — quaternary geology, sedimentology
 Dale Tshudy, Ph.D., Kent State, 1993, Professor — invertebrate paleontology
 Brian S. Zimmerman, Ph.D., Washington State, 1991, Professor — economic geology

KUTZTOWN UNIVERSITY

DEPARTMENT OF GEOGRAPHY DATE FOUNDED: 1961

DEGREES OFFERED: B.A., B.S. in Education, B.S. in Environmental Science/Geography

GRANTED 7/01/10-12/07/14: 47 B.A. degrees, 3 B.S. degrees

MAJORS: 65

CHAIR: Richard S. Courtney

DEPARTMENT SECRETARY: Dorothy J. Siravo

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Geography, 105 Graduate Center, Kutztown University, Kutztown, Pennsylvania 19530. Telephone (610) 683-4364. Fax (610) 683-4941. E-mail: courtney@kutztown.edu.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers a Bachelor of Arts degree in five tracks: general, applied, environmental, globalization and planning as well as a Bachelor of Science degree in Environmental Science/Geography. In conjunction with the College of Education, the Department also offers a Bachelor of Science in Education degree in Secondary Education-Social Studies. The Department houses a number of facilities to support instructional and research activities of students and faculty. The GIS/Computer Cartography laboratory is a state-of-the-art facility where students may work with the major GIS, remote sensing, and business graphics software packages. Research opportunities include major urban areas, unique rural cultures, geographic information systems, and planning. An internship is required in the applied and environmental tracks, which offers students an opportunity to attain real-world experience.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Kutztown University operates on the semester system. Two five-week summer sessions provide students an opportunity to accelerate their program. The Director of Admissions should be contacted for further information on admission and financial aid.

FACULTY:

Mario L. Cardozo, Ph.D., University of Texas at Austin, 2013, Assistant Professor — physical, GIS, remote sensing
 Richard S. Courtney, Ph.D., Ohio State, 1993, Associate Professor and Chair — physical, cartography, urban
 Richard A. Crooker, Ph.D., California-Riverside, 1986, Professor — physical, oceanography, climatology, South America
 Michael A. Davis, Ph.D., Ohio State, 2011, Assistant Professor — physical, meteorology, weather analysis

Mathias Le Bossé, Ph.D. University of Wisconsin at Madison, 2000, Associate Professor — cultural, political, economic, world regional, Europe
 Steven M. Schnell, Ph.D., University of Kansas, 1998, Professor — cultural, Africa, North America, globalization
 Robert C. Ziegenfus, Ph.D., Rutgers University, 1980, Professor — cultural, environmental conservation, medical, planning, recipient of the 2005 Arthur and Isabel Wiesenberger Faculty Award for Excellence in Teaching

MILLERSVILLE UNIVERSITY

GEOGRAPHY DEPARTMENT

DATE FOUNDED: 1956

DEGREES OFFERED: B.A., B.S. in Education

GRANTED 9/1/13-8/31/14: 9 Bachelors

MAJORS: 75

CHAIR: Derek Shanahan

DEPARTMENT ADMINISTRATIVE ASST: Lori Read

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Derek Shanahan, Chair, Department of Geography, Millersville University, P.O. Box 1002, Millersville, Pennsylvania 17551. Telephone (717) 872-3564. Fax (717) 871-2497. E-mail: derek.shanahan@millersville.edu

PROGRAMS:

The Geography Department at Millersville University is located in an area of unique cultural and environmental opportunities and challenges.

The *liberal arts* geography program provides students with a choice of three concentrations leading to a Bachelor of Arts degree: GLOBAL GEOGRAPHY emphasizes international understanding. Regional emphases in the department include Latin America, Africa, and Europe, in addition to North America. ENVIRONMENTAL GEOGRAPHY emphasizes environmental analysis and planning. GEOSPATIAL APPLICATIONS emphasizes the acquisition of skills in cartography, map use and interpretation, geographic information systems, and basic quantitative skills. Most students include a co-op or internship experience in their program.

Students who are candidates for *Secondary Education Certification* select the Geography Option within the Social Studies major. This program leads to a Bachelor of Science in Education degree. The *Geography Minor* program is selected by students from a wide variety of majors. Four specific minors are available, in GLOBAL GEOGRAPHY, ENVIRONMENTAL GEOGRAPHY, and GEOSPATIAL APPLICATIONS.

FACILITIES AND RESOURCES:

The Geography Department is located in McComsey Hall which houses, in addition to faculty offices and classrooms, the department's Geo-Graphics Lab and two university-run microcomputer labs (one IBM and one Macintosh). The Geo-Graphics Lab houses a USGS depository collection of topographic maps, a varied collection of wall maps, and a well-stocked cartographic facility (suitable for computer mapping projects).

The department's computer equipment includes six PC's, a digitizer and a scanner in faculty offices. Seventeen PC's and a Unix workstation in the Geo-Graphics Lab are locally networked along with the following peripherals: two printers (one color inkjet for A/B-size maps and one B&W laserJet), three digitizers (two 36" x 48" and one 24" x 36"), and 1 plotter. The primary geographical software used are: ArcView, ArcGIS, and IDRISI Kilimanjaro.

The university-wide computing facilities include 11 public-access microcomputer labs around campus, as well as Micro VAX-3600, VAX 4000 Model 300, and IBM 4381 academic mainframe computers.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Millersville University operates on the semester plan with three four- to five-week summer sessions. Contact the Director of Admissions for details on admission requirements and financial aid availability. The Geography Department's Geo-Graphics Lab employs students for a total of 30-40 hours per week.

FACULTY:

Angela Cuthbert, Ph.D., McMaster, 2002, Professor — transportation, land use, spatial analysis, community development, environmental issues, Africa

Ethan Frost, Ph.D., Delaware, 2011, Assistant Professor — ecohydrology, microclimatology, spatial analysis, water resources

Charles Geiger, Ph.D., Toronto, 1984, Associate Professor — environmental issues, energy, quantitative methods, mapping, computer skills, Pennsylvania

Jessica Kelly, Ph.D., Rutgers, 2009, Assistant Professor — human dimensions of climate change, immigration, remote sensing, Central America, Latin America

Kathleen V. Schreiber, Ph.D., Delaware, 1996, Professor — environmental issues, bioclimatology, applied climatology, North America

Derek P. Shanahan, Ph.D., Minnesota, 1992, Professor — cultural geography, regional geography, social geography, Europe

THE PENNSYLVANIA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1945

GRADUATE PROGRAM FOUNDED: 1946

DEGREES OFFERED: B.A., B.S., M.S., M.G.I.S., Ph.D.

GRANTED 6/1/13-5/31/14: 51 Bachelors, 8 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 130 Majors, 13 Masters, 42 Ph.D., 4 Postdoctoral Scholars

NOT IN RESIDENCE: 160 M.G.I.S., 13 Ph.D.

HEAD: Cynthia Brewer

DEPARTMENT ADMINISTRATIVE ASST: Denise Kloehr

FOR FURTHER INFORMATION WRITE TO: Jessica Perks, Department of Geography, 302 Walker Building, University Park, Pennsylvania 16802. Telephone (814) 865-3434. Fax (814) 863-7943. E-mail: geoggradsec@psu.edu. Internet: www.geog.psu.edu.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography offers a full range of baccalaureate and graduate degrees and diverse learning and research opportunities, on- and off-campus. The department offers concentrations and cross-cutting connections in all four major subfields: human geography, physical geography, human-environment/nature-society geography, and GIScience-cartography. It hosts the Geographic Visualization Science, Technology, and Applications (GeoVISTA) Center. This interdisciplinary center is devoted to fundamental and applied scientific research in GIScience. Particular emphasis is given to geovisual analytics, cartography and geovisualization, representation (cognitive, visual, and database), knowledge management and geocollaboration, and human interaction with geospatial information. The department also hosts Riparia which conducts, facilitates, and

coordinates interdisciplinary research, monitoring, and training regarding wetlands and related resources, with an emphasis in the Mid-Atlantic and Northeastern states. Also hosted in the department are topical research laboratories and groups concentrated in vegetation dynamics; global environment change; landscape ecology; human-environment interactions; landscapes and livelihoods; development and institutions; and urban, regional and economic geography, public policy, and social justice.

Ongoing research projects and learning opportunities in the department involve a community of twenty-six tenure-line faculty, more than two dozen fixed-term research track research faculty, graduate students, undergraduate students, post-doctoral researchers and fellows, and visiting scholars. The Department of Geography benefits from close ties to the Earth and Environmental Systems Institute. Global climate change, integrated regional assessment, and human/environment interactions are major foci of the institute's research. Close relationships exist between the department and various campus-based area studies programs and research institutes including the Penn State Institutes of Energy and the Environment, the School of International Affairs, the Alliance for Education, Science, Engineering, and Development in Africa (AESEDA), The Department of Women's Studies, the Human Dimensions of Natural Resources and the Environment program, Global Programs, Social Science Research Institute, and Population Research Institute. Internationally, the department is a founding member of the World Universities Network and is a sponsor of WUN-related graduate seminars on a diverse range of topics.

The department occupies excellent facilities on a beautiful campus and provides office spaces for resident graduate students. In addition to the resources typical of a top-ranked major research university, the department maintains multiple computing facilities in support of its research, development, and instructional missions. All computing is networked to provide printing, maintenance, and backup. The department employs an information technology specialist, and equipment and software are regularly replaced or upgraded to ensure that they are up-to-date. A full range of GIS, remote sensing, and spatial analysis software is available to students.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: The University follows the fifteen-week semester system with two six-week summer sessions. Based on high school performance, SAT scores, and advanced standing, students are admitted to the University Park campus (in State College) or to one of nineteen campuses outside University Park. All Geography degrees are completed with junior and senior years at University Park campus, with many students becoming majors when they relocate to University Park. The University participates in all federal and state financial aid programs; scholarships and loans are available at the college level. Degrees are awarded in the College of Earth and Mineral Sciences in general geography (B.A. or B.S.) or in B.S. options in Geographic Information Science, Physical/Environmental Geography, and Human Geography. B.A. options also include Human Geography and Nature/Society Geography. The program offers minors in Geography and Geographic Information Systems, and the geography faculty supervise interdisciplinary minors in Climatology, Environmental Inquiry, Information Science and Technology for Earth and Mineral Sciences, and Watersheds/Water Resources. The department also participates in dual majors; simultaneous degrees; honors programs; and interdisciplinary programs such as the Bachelor of Philosophy, Letters Arts and Sciences, and Earth Sciences. All majors are encouraged to participate in one- or two-semester study abroad programs or shorter international study/research experiences. Students may earn academic credit for approved internships in government agencies, private firms, and university teaching and research. Capable undergraduate students benefit from close instructional and research interaction with graduate students and faculty. Detailed information about undergraduate programs is available at

<http://www.geog.psu.edu/undergrador> by contacting Jodi Vender at jvender@psu.edu.

Professional: The department offers online certificate and master's degree programs in Geographic Information Systems (GIS) and Geospatial Intelligence (GEOINT) to meet the needs and busy schedules of full-time professionals who are able to study only part-time and at a distance. With more than a century of commitment to outreach and distance education, Penn State is also a leader in the use of information technology in higher education. Since 1998 the University has offered an array of certificate and degree programs tailored to meet the needs of adult professional students through the World Campus at www.worldcampus.psu.edu. The Department of Geography's certificate program in Geographic Information Systems (CPGIS) is an eleven-credit post-baccalaureate program that helps students become more skillful and knowledgeable GIS users. The postbaccalaureate certificate program in Geospatial Intelligence (GEOINT) is a fourteen-credit program for current and aspiring analysts whose responsibilities include planning for emergencies, coordinating responses to natural and human-induced disasters, and planning and conducting military operations. The Master of GIS (MGIS) degree is a thirty-five-credit program for those who aspire to leadership in the GIS profession. Both the CPGIS and MGIS programs follow a quarter system of four ten-week terms per year. All courses are instructor-led and are offered through the University's web-based course management system. Students are expected to complete weekly assignments but are not required to log in at any particular time or place. See the department's online geospatial education program gateway at: <http://www.worldcampus.psu.edu/gep>

Graduate: The department has minimal course requirements; all graduate programs of study are individually designed to suit personal needs and professional aims. Program styles range from largely course work to largely tutorial and seminar formats. Program emphases are well reflected in faculty specializations listed below. Work outside geography is also strongly encouraged. The department participates in interdisciplinary graduate programs in women's studies, human dimensions of natural resources and the environment, ecology, and operations research. Applicants must submit GRE scores and have a junior-senior GPA over 3.0 (A=4.0). Teaching and research assistantships carry a competitive two-semester stipend plus all tuition and fees. Fellowships, both departmental and university, and employment opportunities are available. A thesis or two research papers are required of M.S. candidates; Ph.D. students must complete a minimum of one academic year in residence beyond the M.S. degree. Detailed information about the graduate programs is available at www.geog.psu.edu/graduate-program-information/future-graduate-students.

FACULTY:

Clio Andris, Ph.D., Massachusetts Institute of Technology, 2011, Assistant Professor of GIScience — urban space, GIS, data mining, machine learning
Cynthia A. Brewer, Ph.D., Michigan State, 1991, Professor of Geography — cartographic communication and visualization, map design, color theory, multi-scale mapping, atlas production
Robert P. Brooks, Ph.D., Massachusetts, 1980, Professor of Geography, Ecology, and Earth and Environmental Systems Institute; Director of Penn State Riparia — ecology, conservation, and restoration of wetlands, streams, and riparian areas, wetland wildlife, landscape ecology
Kirby Calvert, Ph.D., Queen's University (Kingston, Ontario), 2013, Assistant Professor — Energy policy, energy transitions, renewable energy development and implementation, mixed research methods including GIS, exploratory regional geography
Andrew M. Carleton, Ph.D., Colorado, 1982, Professor of Geography and Earth and Environmental Systems Institute — satellite climatology, synoptic climatology, climate dynamics, human impacts on climate, Antarctica

Guido Cervone, Ph.D., George Mason University 2005, Associate Professor of Geoinformatics — remote sensing, environmental hazards, geoinformatics, social media, planning and economic development policies, spatial statistics, complex economic systems
Robert G. Crane, Ph.D., Colorado, 1981, Professor; Director, Alliance for Education, Science, Engineering, and Development in Africa — climatology, regional scale climate change, African climates
Lorraine Dowler, Ph.D., Syracuse, 1997, Associate Professor of Geography and Women's Studies — social theory, cultural geography, gender, qualitative methods
Roger M. Downs, Ph.D., Bristol, 1970, Professor — behavioral, environmental cognition, geography education
William E. Easterling, Ph.D., North Carolina, 1984, Professor; Dean, College of Earth and Mineral Sciences — environmental change, agricultural systems, climate, renewable natural resources, land use
Christopher Fowler, Ph.D., University of Washington, 2007, Assistant Professor — urban and economic geography, demographics, poverty,
Deryck W. Holdsworth, Ph.D., British Columbia, 1981, Professor — urban historical geography, historical geography of North America, historical GIS
Brian King, Ph.D., University of Colorado-Boulder, 2004, Associate Professor — cultural ecology, development, GIS, S. Africa, Africa
Alexander Klippel, Ph.D., Bremen, 2003, Associate Professor — geographical information science, spatial languages, geographic event conceptualization, behavioral research methods
Ikubolajeh Logan, Ph.D., UCLA, 1983; Professor of Geography, African Studies Program, and Earth and Environmental Systems Institute; Program Director of African Studies Program — Africa and third world development, human dimension of environmental and resource analyses, globalization
Alan M. MacEachren, Ph.D., Kansas, 1979, Professor; Director of GeoVISTA Center — geographic information science: visual analytics, geovisualization, cartography, geocollaboration, spatial cognition, human-centered systems
Lise Nelson, Ph.D., University of Washington, 2000, Associate Professor of Women's Studies and Geography — critical development studies, qualitative methods, political and feminist geography, neoliberal globalization and citizenship, migration, rural gentrification
Donna J. Peuquet, Ph.D., SUNY Buffalo, 1977, Professor; Associate Director of GeoVISTA Center — geographic information science, space-time representation, environmental cognition, spatial data models
Erica A. H. Smithwick, Ph.D., Oregon State, 2002, Associate Professor of Geography, Ecology, and Earth and Environmental Systems Institute — landscape ecology, ecosystem ecology, biogeochemistry, fire ecology
Alan H. Taylor, Ph.D., Colorado, 1987, Professor of Geography and Ecology — disturbance and climate effects on vegetation, landscape ecology, biogeography, biological conservation, environmental management, fire ecology, paleoecology
Petra Tschakert, Ph.D., Arizona, 2003, Associate Professor of Geography and Earth and Environmental Systems Institute — political ecology, environmental justice, participatory research, resilience theory, sustainability science, climate change adaption, small — scale mining, carbon sequestration, West Africa
Melissa W. Wright, Ph.D., Johns Hopkins, 1997, Professor of Geography and Women's Studies — social theory, feminist theory, political economy, Mexico-U.S. border, qualitative methods
Lakshman Yapa, Ph.D., Syracuse, 1969, Professor — Postmodern discourse theory, Third World, theories of poverty, community development, GIS applications, public scholarship and service learning

Brent Yarnal, Ph.D., Simon Fraser, 1982, Professor and Associate Head — coupled human-environment systems, global change in local places, climate variation and change, land-use/land-cover change, environmental hazards

Karl S. Zimmerer, Ph.D., UC-Berkeley, 1988, Professor — land use and agriculture change, environmental impacts (biodiversity, soils, water), economic development, nature-society theory, human-environment modeling

EMERITI FACULTY:

Ronald F. Abler, Ph.D., Minnesota, 1968, Professor Emeritus — history of geography, geography of communications systems

Rodney A. Erickson, Ph.D., Washington, 1973, Professor of Geography and Business Administration, Executive Vice President and Provost of the University — economic, urban, regional economic development

C. Gregory Knight, Ph.D., Minnesota, 1970, Professor Emeritus — environmental systems and policy, water resources, Eastern Europe, Africa

Peirce F. Lewis, Ph.D., Michigan, 1958, Professor Emeritus — American landscapes

ADJUNCT FACULTY:

Susan W. Friedman, Ph.D., Toronto, 1988, Adjunct Assistant Professor — history of geography, social and historical geography

Linda Pickle, Ph.D., Johns Hopkins, 1977, Adjunct Professor — geovisualization, spatial statistical analysis, cancer epidemiology

AFFILIATED FACULTY (Including On-line Faculty):

Todd Bacastow, Ph.D., Penn State, 1992, Lead faculty, Graduate Certificate in Geospatial Intelligence and Professional Master of Homeland Security Geospatial Intelligence Option, Dutton e-Education Institute — GIS, geospatial intelligence, geospatial analytic methods

Joseph Bishop, Ph.D., Penn State, 2008, Research Associate — GIS, wetland environmental systems, conservation geography

Justine Blanford, Ph.D., Imperial College, Research Associate — GIS, spatial analysis, spatial and temporal ecology of disease

Sarah Chamberlain, M.A., San Francisco State University — botany, wetland monitoring and assessment, floristic quality assessment

George Chaplin, M.Sc., Manchester Metropolitan University, Senior Research Associate MGIS Program, Dutton e-Education Institute — GIS, human ecology, spatial epidemiology, spatial and geo-statistics, human biogeography, biodiversity

Ken Corradini, M.S., Penn State, Research Assistant MGIS Program, Dutton e-Education Institute — watershed hydrology, best management practices, development and application of GIS and simulation models to environmental problems

Mark W. Corson, Ph.D., South Carolina, 1997, Visiting Associate Professor, Dutton e-Education Institute — political and military geography, geospatial intelligence, Western Europe and Southwest Asia

James Detwiler, M.S., University of Delaware, 1999, Senior Instructor, Dutton e-Education Institute — GIS programming and customization, climatology, distance education

Peter Guth, Ph.D., Massachusetts Institute of Technology, 1980, Visiting Professor, Dutton e-Education Institute — geology, oceanography, computer-assisted terrain analysis

Franklin Hardisty, Ph.D., Penn State, 2003, Research Associate, Geography and Dutton e-Education Institute — geographic visualization, spatial analysis, health geographics

Patrick Kennelly, Ph.D., Oregon State, 1997, Visiting Associate Professor, Dutton e-Education Institute — geographic information science (GIS), GIS project management, cartography

John A. Kelmelis Ph.D., Penn State, 1991, Professor of Geography and International Affairs, School of International Affairs — science, policy, and international affairs; natural resources, sustainable development, environmental change, information infrastructure

Fritz Kessler, Ph.D., University of Kansas, 1999, Visiting Associate Professor, Dutton e-Education Institute — projections, datums, coordinate systems, cartography

Elizabeth King, M.Ed., Penn State, 2003, Senior Lecturer, Dutton e-Education Institute — geographic information systems, adult education, problem-based learning

Stephen A. Matthews, Ph.D., Wales, 1990, Associate Professor of Sociology, Anthropology, Geography and Demography, and Director of the Geographic Information Analysis Core at the Population Research Institute — demography, health and well-being, geographic information systems, multi-method research

Douglas A. Miller, Ph.D., Penn State, 1999, Director, Center for Environmental Informatics, Earth and Environmental Systems Institute; Senior Research Associate in EESI; Associate Professor of Geography — remote sensing, geographic information science, landscape ecology, soils, geomorphology

Kusum Naithani, Ph.D., University of Wyoming, Research Associate — plant physiological ecology, landscape ecology, ecosystem ecology

David O'Sullivan, Ph.D., University College London, Visiting Instructor, Dutton e-Education Institute — spatial analysis, simulation models, urban social geography, complexity science and geography

Michael Nassry, Ph.D., Virginia Tech, 2013, Postdoctoral Scholar — landscape ecology, nutrient cycling, climate change impact on streams and wetlands

Scott Pezanowski, M.S., University of South Carolina, 2002, Senior Research Assistant — cartography, remote sensing, web mapping, Java programming, open source GIS, GIScience

Anthony Robinson, Ph.D., Penn State, 2008, Research Associate, Dutton e-Education Institute and Geography — geographic visualization, cartography, visual analytics

Brandi Robinson, M.S., Penn State, Lecturer

Gian Rocco, Ph.D., Penn State, 2007, Senior Research Associate — applied herpetology, human-environment relationships

Karen Schuckman, M. GIS., Penn State, Senior Lecturer, Dutton e-Education Institute — remote sensing, geospatial technology, photogrammetry

James Sloan, M.S. University of Miami, instructor, MGIS Program, Dutton e-Education Institute — cartography and GIS education

Wes Stroh, M.S., Penn State, Lecturer — location intelligence, business GIS, business geography, GIS education, cartography

George Van Otten, Oregon State University, 1977, Visiting Senior Lecturer — U.S.-Mexican border region, Native American economic development, rural development, practical applications of cultural geography

Jan Van Sickle, Ph.D., University of Colorado, Visiting Senior Lecturer, Dutton e-Education Institute — remote sensing, GNSS, digital elevation models, 3D and 4D Modeling

Denice Wardrop, Ph.D., Penn State, 1997, Senior Scientist; Associate Director of Riparia; Associate Professor of Geography and Ecology; Associate Director of Penn State Institutes of Energy and the Environment — landscape ecology, wetland plant communities, effects of human disturbance on wetland ecosystems, wetland condition assessment

Margaret Winchester, Ph.D., Case Western Reserve University, Postdoctoral Scholar — experience of HIV/AIDS, global health and globalization, gender and intimate partner violence, eastern and southern Africa

Jim Wright, Ph.D., University of Edinburgh, Visiting Lecturer, Dutton e-Education Institute — health applications of GIS, environmental applications of GIS, water and health in developing countries

Jianyong Wu, Postdoctoral Scholar

Susan Yetter, M.S., Penn State, Research Assistant — floodplain ecology, stream/wetland biological condition assessment
Michelle Zeiders, M.S., Shippensburg University, Lecturer — GIS, distance education

SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA

DEPARTMENT OF GEOGRAPHY-EARTH SCIENCE

DATE FOUNDED: 1934

GRADUATE PROGRAM FOUNDED: 1976

DEGREES OFFERED: B.S. in Geography, B.S. in

**Geoenvironmental Studies, M.S. in Geoenvironmental
Studies**

GRANTED 9/12-8/31/13: 48 Bachelors, 6 Masters

STUDENTS IN RESIDENCE: 228 Majors, 42 Masters

NOT IN RESIDENCE: 42 Masters

CHAIR: William Blewett

DEPARTMENT ADMINISTRATIVE ASST: Judy Ferrell

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Geography-Earth Science Department, 1871 Old Main Dr., Shippensburg University of Pennsylvania, Shippensburg, Pennsylvania 17257-2299. Telephone (717) 477-1685. Fax (717) 477-4029. E-mail: jferrell@ship.edu. Internet: www.ship.edu/Geo-ESS/.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The department has two programs of study: the liberal arts Geography Program and the geoenvironmental studies program. The Geography Program provides the student with a core course program which includes physical geography, economic geography, geographic information systems, and urban geography or land use. Three tracks can be emphasized in the program. *Land Use* investigates the human use and modification of natural environments (e.g. deforestation, urban sprawl, extension of impervious surface areas, soil erosion and degradation, salinization, and desertification) that impact our access to resources, and ultimately our own health and safety. *Human Environmental Studies* examines climate, land resources, and water resources from the human perspective. The field integrates the study of the physical and cultural aspects of the environment into a meaningful framework to solve complex environmental problems with an emphasis on technology and fieldwork. *Geographic Information Systems* (GIS) gives the student a set of skills in GIS, cartography, computer mapping and graphics, image interpretation, and remote sensing that can be applied to the broader discipline.

The Geoenvironmental Studies program integrates the study of the physical and cultural aspects of the environment into a meaningful framework to solve environmental problems. This program is a science-based curriculum designed to produce broadly trained scientists with a holistic understanding of the environment, with an emphasis on geo-technology and practical field experience. An internship is required, as discussed below. A 12-credit GIS certificate program is also offered by the department, as well as a GIS minor.

GRADUATE: The graduate Geoenvironmental Studies Program is designed to prepare planners, researchers, and educators with a broad understanding of the environment and with the technical and managerial skills of problem-solving. Instead of the more narrow, traditional single-science approach, this academic degree draws upon the interactions of the disciplines of geography and the earth sciences to prepare the geoenvironmental scientist. Namely the geographic expertise is in the form of environmental relations, land use, locational analysis, resources, and regional knowledge; the earth science expertise is in the form of the applied aspects of geology,

meteorology, hydrology, and soil science. A GIS-environmental science and planning emphasis is available in the department.

This specialization prepares graduates for positions at the operational and policy-making levels in federal, state, and local governmental agencies, industry, non-profit organizations, and consulting firms, as well as for higher levels of education and doctoral work in this field. A thesis or internship and research project is required for graduation.

Graduate students majoring in Geoenvironmental Studies have the opportunity to experience an internship as part of their graduate course work. Many employers consider internships important for personnel recruitment, and many internships develop into full-time jobs after graduation. The main objectives of the Geoenvironmental Studies Internship Program are the following: the student intern will be exposed to the real problems and activities of the community from the perspective of the work organization where he/she is placed; the student intern ideally will be introduced to central activities and projects of the sponsoring organization; the student will have the opportunity and the responsibility for completing a worthwhile project; and the student will have the opportunity to apply geographic and environmental theory, techniques, and knowledge to real-life practices.

INTERNSHIPS AND EMPLOYMENT: Geoenvironmental Studies majors have received internships with a variety of governmental and private agencies. The Pennsylvania Department of Environmental Protection, the Pennsylvania Department of Conservation and Natural Resources, and the Pennsylvania State Game Commission have provided internships for our majors at the state level. Internship placements have also been arranged with the Natural Resource Conservation Service; Gannett Fleming, Inc., Skelly & Loy Consulting Firm; National Audubon Society; Chesapeake Bay Foundation; Tri-County Planning Commission; Franklin County Planning Commission; United States Geological Survey; The Nature Conservancy; KCI Technologies; Shippensburg Borough; Martin and Martin Consulting Firm; Lebanon County Solid Waste Authority; and environmental consultants. These internships have provided our students with practical experience to enhance their entrance into the job market.

Some of the positions obtained by our graduates and some of their employers include physical scientist with the federal government; environmental planner, Jefferson County, PA; conservationist, Dauphin County Soil Conservation District; PA Department of Conservation and Natural Resources; PA Department of Environmental Protection; KCI Technologies; PA Department of Transportation; GTS Technologies; Delta Development; United States Geological Survey; Gannett Fleming; Southern Maine Regional Planning Commission; Skelly & Loy Consulting Firm, Delta Airport Consultants, Inc., and as graduate students at universities such as North Carolina, Chapel Hill; the University of Tennessee; and Oklahoma University.

FACILITIES: The Department of Geography-Earth Science is housed in Shearer Hall. Facilities include a large GIS laboratory utilizing the latest ArcGIS software, a remote sensing laboratory utilizing ERDAS image processing software, data processing center, soils laboratory, hydrology laboratory, rock and mineral laboratory, microclimatological station, air photo and map library, and a wide range of field equipment and instruments for topographic, geologic, land use, meteorologic, hydrologic, soil, and subsurface surveys. IBM and UNIX computers housing a wide variety of software systems are located in the department's GIS labs. The department has a number of advanced GPS units, total stations, GPR and EM units, air and water monitoring systems, and other integrated field technologies that are available for student use.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

An applicant must meet the minimum standards of the Shippensburg University Graduate School and must have an undergraduate minimum of (a) 12 hours in geography, or 12 hours in the earth

sciences, or a combined total of 18 hours in the two fields; or (b) 15 hours in the social sciences, including six hours of geography, and 15 hours in the natural sciences, including six hours in earth sciences. A student must have a 2.75 average on a 4.0 system or attain an acceptable score on the Graduate Record Exam for acceptance by the Graduate School. Conditional admission may be granted by the Departmental Graduate Faculty Committee for a student lacking the required level of entrance requirements. Full admission will be granted after the deficiencies have been corrected and six hours of graduate work successfully completed.

Each student will plan a program on an individual basis with the graduate faculty, ensuring a balanced natural/social science background. For graduation with a Master of Science degree in Geoenvironmental Studies, a student must complete 24 hours of core courses and electives in geoenvironmental courses, six hours of electives in the behavioral, social, or natural sciences, a six-hour internship or a Master's thesis, and pass a written comprehensive exam.

Graduate assistantships are available during the academic year and include waiver of tuition fees and carry stipends. Full-time students interested in appointments for the academic year should request applications from the Dean of the Graduate School or the Department Chair before March 1. Assistantships require two letters of recommendation, a statement of career goals and objectives, and graduate record examination scores are recommended.

FACULTY:

Mike Applegarth, Ph.D., Arizona State University, 2001, Associate Professor — soils, GIS, physical geography, remote sensing, map and air photo interpretation

William L. Blewett, Ph.D., Michigan State, 1991, Professor and Chair — geology of national parks, North America, physical geology, glacial geomorphology, quaternary geology, landforms

Sean R. Cornell, Ph.D. 2008, University of Cincinnati, Associate Professor — geology, sedimentology, petrology, marine environment

Scott Drzyzga, Ph.D., Michigan State, 2007, Associate Professor — GIS, geographic techniques, human geography

Alison E. Feeney, Ph.D., Michigan State, 2000, Associate Professor — computer cartography, GIS, North America

Thomas P. Feeney, Ph.D., Georgia, 1997, Professor — geomorphology, hydrology, karst, groundwater, geologic hazards, soils

Kurtis G. Fuellhart, Ph.D., Pennsylvania State, 1999, Professor — cultural geography, economic geography, regional development and analysis

Timothy W. Hawkins, Ph.D., Arizona State, 2004, Associate Professor — meteorology, climatology, hydrology

Claire A. Jantz, Ph.D., Maryland, 2005, Associate Professor — geographic techniques, land use, ecosystem science, regional planning

Paul G. Marr, Ph.D., University of Denver, 1996, Professor — transportation, historical geography, quantitative techniques, Latin America

George M. Pomeroy, Ph.D. University of Akron, 1999, Professor — urban geography, regional development and planning, land use, Asian studies

Janet Smith, Ph.D., Georgia, 1999, Associate Professor — GIS, computer mapping, cartography, geography education

Kay Williams, Ph.D., Georgia, 1995, Associate Professor — climatology, biogeography, conservation, atmospheric issues

Christopher J. Woltemade, Ph.D., Wisconsin, 1993, Professor — hydrology, water resources management, soils, field techniques, fluvial geomorphology, environmental restoration

Joseph T. Zume, Ph.D., University of Oklahoma, 2007, Assistant Professor — groundwater, field hydrology, geophysics

TEMPLE UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND URBAN STUDIES

DATE FOUNDED: 1961

GRADUATE PROGRAM FOUNDED: 1969

DEGREES OFFERED: B.A. in Geography and Urban Studies; B.A. in Environmental Studies; M.A. in Geography and Urban Studies; Ph.D. in Geography and Urban Studies

GRANTED 8/22/12-8/22/13: 32 Bachelors in Geography and Urban Studies; 33 Bachelors in Environmental Studies; 2 Masters of Arts in Geography and Urban Studies; 1 Ph.D. in Geography and Urban Studies

STUDENTS IN RESIDENCE: 179 Majors; 7 Masters; 17 Ph.D.

CHAIR: Melissa Gilbert

DEPARTMENT ADMINISTRATIVE ASST: Belinda Wilson

FOR FURTHER INFORMATION WRITE TO: Tycina Cousin, Department of Geography and Urban Studies, 308 Gladfelter Hall, Temple University, Philadelphia PA 19122. Telephone (215) 204-7692. Fax (215) 204-7633. E-mail: guses@temple.edu. Internet: www.temple.edu/gus.

PROGRAMS AND RESEARCH FACILITIES:

The department offers a Ph.D. and Masters degrees in Geography and Urban Studies, a B.A. in Geography and Urban Studies and a B.A. in Environmental Studies. Our curriculum focuses on four areas: Globalization, Sustainability, Social Justice, and Geographic Methods.

The Ph.D. program in Geography and Urban Studies trains students in interdisciplinary and spatially integrative frameworks and equips them with specialized skills to apply to real-world conditions. The program prepares students for careers in institutions of higher education in the field of geography, urban planning, policy studies, and interdisciplinary international, environmental, and development programs, as well as in research-oriented organizations such as think tanks, policy institutes, and non-governmental organizations. The program draws on our Philadelphia location to provide students with opportunities to engage in public policy and applied research. Students can utilize our faculty's linkages with public agencies, educational institutions, community-based organization, and social movements in the local region, many other regions in the United States, and several significant international locations (South and East Asia, Latin America, West Africa).

The Ph.D. program requires 57 credit hours and admits students holding a bachelor's degree or master's degree in a related field. Up to 24 credits may be applied toward advanced standing to qualified Masters degree holders. To fulfill the degree requirements, students must complete coursework, pass a qualifying examination, write and defend a dissertation proposal, and then write and defend their dissertation.

The M.A. program prepares students for further study and for careers in planning and public administration, environmental management, economic development, geographic systems management, community organizing and social change efforts, and academic careers. Throughout, emphasis is placed on the development of research techniques and analytical skills applicable to problem solving. Graduates find employment in public sector agencies that deal with environmental planning, land use, and urban and regional problems. They also work for quasi-public social service institutions that address various needs of urban residents as well as for private sector firms.

whose business requires and understanding of urban and spatial dynamics.

The MA program requires 36 credits and typically is completed in two years by full-time students. Part-time students also are accepted into our program — and most courses are offered during the evening, to accommodate students who work during the day. The department requires that every student produce a Masters Research Paper.

The Department offers students close personal attention in fulfilling degree requirements and career planning; a state-of-the-art curriculum; opportunities for funded research and internships; a diverse faculty and student community; and opportunities to pursue interdisciplinary study. Twenty-four faculty members from all across Temple's programs — including architecture, community and regional planning, education, criminal justice, sociology, economics, and public health — are designated affiliated faculty of our program. Students have opportunities to work on departmental projects and have access to labs with GIS and cartography software in the department and across the College of Liberal Arts (all CLA machines, plus the University's Tech Center, are equipped with the relevant software). Graduate seminars are held within the department and outside speakers often are invited in. Some frequently used map, book, and journal resources are housed within the department; others are located in nearby Paley Library. All graduate assistants are provided with a computer, desk, and office space readily accessible to faculty offices and department facilities.

The challenges and opportunities that face cities and metropolitan regions are central to the well being of billions of people around the globe. Our graduate program focuses on understanding and analyzing such challenges and opportunities. It is truly a program for the 21st century.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Temple University is on a semester plan. Admission requirements for the Ph.D. program are available at: http://www.temple.edu/gradbulletin/cla/geog_urban_studies_phd.htm. Admission requirements for the M.A. program are available at: http://www.temple.edu/gradbulletin/cla/geog_urban_studies_ma.htm.

Financial Aid information may be obtained from the Office of Student Financial Services, at: www.temple.edu/sfs

FACULTY:

- Carolyn T. Adams, Ph.D., Washington, 1974, Professor* — urban public policy, housing, economic development, infrastructure planning
- Max Andrucki, Ph.D., Leeds, 2011, Visiting Assistant Professor* — social and cultural geography; sexuality, gender, and space; geographies of whiteness in contemporary South Africa; intersection between migration and transnationalism and identity
- Sanjoy Chakravorty, Ph.D., Southern California, 1992, Professor* — distribution, development, globalization, cities, regions
- Fletcher Chmara-Huff, Ph.D., Ohio State, 2011, Visiting Assistant Professor* — territory and territorialization, political ecology, indigenous peoples, Caribbean studies, fisheries, sustainability, citizen science and related methodologies, identity politics, whiteness, and green Christianity
- Roman Cybriwsky, Ph.D., Pennsylvania State, 1972, Professor* — urban-social geography, world cities, neighborhood change and development, cultural geography, Pacific Asia, Ukraine
- Bradley Gardener, Ph.D., City University of New York, 2012* — critical race theory, identity studies, migration studies, geography of New York, Jewish diaspora, whiteness studies, Marxist political economy, critical GIS, urban geography
- Melissa R. Gilbert, Ph.D., Clark, 1993, Professor and Chair* — urban, economic, and feminist geography, feminist and critical race theory, urban social theory, urban poverty and labor markets, labor and community organizing, information technologies and economic empowerment, qualitative methods

- Allison Hayes-Conroy, Ph.D., Clark, 2009, Assistant Professor* — food systems, sustainable nature-society relations, social movements, urban/rural studies and land use policy, feminist geography and politics of the body, spiritual ecology
- Kevin Henry, Ph.D., McGill, 2005, Assistant Professor* — medical and health geography, public health, cancer epidemiology, applied GIS and spatial statistics for health data, health services and disparities
- Shangrila Joshi, Ph.D., Oregon, 2011, Visiting Assistant Professor* — political ecology, environmental justice, environment and development, climate mitigation policy and politics, qualitative research methods, South Asia
- Charles Kaylor, ABD, Michigan, Visiting Assistant Professor* — GIS, information technology, e-government, the digital divide, community planning
- Robert J. Mason, Ph.D., Rutgers, 1986, Professor* — environmental policy, land use planning and growth management, parks and protected areas, hazards and risk, tourism, Japan
- Michele Masucci, Ph.D., Clark, 1987, Professor and Interim Vice Provost for Research* — societal dimensions of information and communications technologies, GIS and society, regional planning theory, water resources management, theories of the digital city
- Jeremy Mennis, Ph.D., Pennsylvania State, 2001, Associate Professor and Undergraduate Chair* — geographic information science and systems, spatial analysis, geographic data mining, social and environmental applications of GIS
- David Organ, Ph.D., Berkeley, 1995, Visiting Assistant Professor* — historical geography, urban geography and African American Studies
- Hamil Pearsall, Ph.D., Clark, 2009, Assistant Professor and Graduate Chair* — urban sustainability; environmental justice and health; GIS; human dimensions of global environmental change; risk, hazards and vulnerability; brownfield redevelopment; urban greening
- Christina Rosan, Ph.D., Massachusetts Institute of Technology, 2007, Assistant Professor and Director of Environmental Studies* — metropolitan planning and governance in the U.S. and Latin America, environmental planning, land use and growth management, urban politics, management of mega-cities
- Rickie Sanders, Ohio State, 1981, Professor* — urban social geography, geographic education/under-represented groups, environment and development
- Kolson Schlosser, Ph.D., 2007, Pennsylvania State, Visiting Assistant Professor* — political ecology of mineral resource extraction in northern North America, environmental history, critical geopolitics, population geography, geographic pedagogy
- Jacob Shell, Ph.D., 2012, Syracuse, Assistant Professor* — transportation and infrastructure, transport animals, geography of social movements and rebellions, cartography and geovisualization, mapping of texts and literature, geographic dimensions of political economy
- Gerald Stahler, Ph.D., Temple, 1983, Professor* — psychology (clinical), program evaluation, urban social problems, drug abuse
- Elizabeth L. Sweet, Ph.D., 2000, University of Illinois at Chicago, Visiting Assistant Professor* — immigration, economic development, gender violence, diversity issues in community development

EMERITI FACULTY:

- David Bartelt, Ph.D., Temple, 1979, Professor Emeritus* — housing policy, urban social theory, urban schools, urban economic development
- David J. Cuff, Ph.D., Pennsylvania State, 1972, Professor Emeritus* — cartography, physical geography, exploration
- Marilyn Silberfein, Ph.D., Syracuse, 1971, Professor Emeritus* — urban and rural development, third world economic geography, migration, political geography, tourism, world affairs

UNIVERSITY OF PITTSBURGH AT JOHNSTOWN

GEOGRAPHY DEPARTMENT

DATE FOUNDED: 1971

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 7 Bachelors

MAJORS: 17

CHAIR: William B. Kory

DEPARTMENT SECRETARY: Sharon E. Wilson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. William B. Kory, Geography Department, University of Pittsburgh at Johnstown, Johnstown, Pennsylvania 15904. Telephone (814) 269-2994 or 2990. Fax (814) 269-7255. E-mail: koryupi@pitt.edu.

PROGRAMS AND RESEARCH FACILITIES: The Geography Department at the University of Pittsburgh at Johnstown offers an undergraduate major which emphasizes physical/environmental geography, urban/economic geography, and population/geodemography studies. Geo-techniques are stressed in all sub-fields. Secondary Education majors may elect a 30 geography credit education degree. A separate Environmental Studies major, emphasizing environmental policy, is also available and has over 40 majors. The department arranges internships with local and regional planning and resource management agencies for qualified students. The department also offers a certificate program in GIS.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Students with a major in geography must complete 30 credits in the discipline. A course in cartography, three "core" geography classes, and an additional six geography courses from three subfields, along with a methodology course are required for a major. Selected courses in related Social Sciences and Natural Sciences are also strongly recommended, and there are additional Divisional and University requirements all students must complete.

UPJ is a degree granting four year college within the University of Pittsburgh system. The college offers undergraduate programs in arts and sciences, education and engineering technology. It is located on a wooded, 650-acre suburban campus and has an enrollment of over 3,000 students. The department edits and publishes *The Pennsylvania Geographer*, a semi-annual refereed journal of the Pennsylvania Geographical Society.

FACULTY:

Gregory E. Faiers, PhD, Louisiana State, 1986, Associate Professor — physical, climatology, environmental, natural hazards, water resources

Ola Johansson, PhD, Tennessee, 2004, Associate Professor — urban, planning, energy, Europe, popular music

William B. Kory, PhD, Pittsburgh, 1977, Associate Professor — geodemography, political, migration, Russia and Eastern Europe, Africa

Ahmad Massasati, PhD, Utah, 1991, Assistant Professor — cartography, GIS, remote sensing, Middle East

Mary Pfau Lavine, PhD, Pittsburgh, 1976, Professor Emerita

VILLANOVA UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND THE ENVIRONMENT

DATE FOUNDED: 1966 (Re-established in 2007)

DEGREES OFFERED: B.A., B.S.

GRANTED 8/22/13-8/22/14: 36 Bachelors

CHAIR: Francis A. Galgano Jr.

DEPARTMENT ADMINISTRATIVE ASST: Ms.

Angelina Fondaco

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Francis A. Galgano, Department of Geography and the Environment, Villanova University, 800 Lancaster Ave., G67 Mendel Hall, Villanova, Pennsylvania 19085-1699. Telephone (610) 519-3337/3336. Fax (610) 519-3338. E-mail: francis.galgano@villanova.edu. Internet: <http://www.villanova.edu/arts/geoenv/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography and the Environment is Villanova's newest department and offers B.A. degrees in Geography and one in Environmental Studies, and a B.S. in Environmental Science. The department also offers minors in Geography and Environmental Studies. The department was re-established in 2007 to serve as a multidisciplinary academic unit linking social and natural sciences within the College of Liberal Arts and Sciences. The department's overarching objective is to integrate the disciplines of geography and environmental science to seek an understanding of human and environmental patterns, the processes that produce those spatial patterns, and salient human and environmental problems that face modern society.

Individual programs are formed around major themes: (1) human systems analysis and human geography; (2) geographical techniques; (3) regional analysis; and (4) physical geography and environmental systems. Majors can also participate in an Honors Program and other concentrations/minors within the College. Internships designed for geography and environmental majors are available.

The department has a state-of-the-art computer facility dedicated exclusively to Geospatial Sciences. Additionally, the department has just added a full suite of state-of-the-art GPS equipment and expects to offer a GPS certification program during academic year 2015. The department is developing a masters program, which is expected to be in place in academic year 2017.

The department sponsors the Eta Lambda Chapter of Gamma Theta Upsilon, the International Geographical Honor Society. Students enrolled in the environmental programs participate in a campus-wide Environmental Learning Community as well as several other cross-campus and community activities. The department maintains a large map collection and now has a state-of-the-art, multi-function teaching lab.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Villanova University is on a semester plan. Admission requirements are available from: Director of Admissions, Office of Admissions, Villanova University, Villanova, Pennsylvania 19085 (<http://www.villanova.edu/enroll/admission/>). Financial Aid information may be obtained from the Director of Financial Aid, Financial Aid Office, Kennedy Hall (<http://www.villanova.edu/enroll/finaid/>).

FACULTY:

Francis A. Galgano Jr., Ph.D., University of Maryland, College Park, 1998, Associate Professor and Chair — physical geography, geomorphology, coastal geomorphology, military geography, environmental geography

Steven T. Goldsmith, Ph.D., Ohio State University, 2009, Assistant Professor — environmental science, environmental geology, climate change

Bonnie M. Henderson, Ph.D., Louisiana State University, 1998, Assistant Professor — social geography, population geography, North America

Keith G. Henderson, Ph.D., University of North Carolina, Chapel Hill, 1991, Associate Professor — climatology, applied climate, environmental change, natural resources

Bangbo Hu, Ph.D., Wisconsin — Milwaukee, 1994, Associate Professor — physical geography, GIS, air photo interpretation, cartography, Asia

John L. Kelley, M.A., University of Georgia, 1981, Instructor — remote sensing

J. Harold Leaman, Ph.D., SUNY-Buffalo, 1976, Associate Professor — economic geography, urban geography, economic development, Africa

Ross A. Lee, Ph.D., Michigan State University, 1975, Instructor — green science

Stephen J. Levas, Ph.D., Ohio State University, 2012, Post-Doctoral Teaching Fellow — environmental science, coral reef biogeochemistry

Lisa J. Rodrigues, Ph.D., University of Pennsylvania, 2005, Associate Professor — environmental science, coral reef biogeochemistry

Lori A. Sutter, Ph.D., College of William and Mary School of Marine Science — environmental science, marsh ecology

Guillaume Turcotte, M.S., Indiana University of Pennsylvania, 2007, GIS Laboratory Technician and Instructor — GIS, GPS, remote sensing, environmental studies

Nathaniel Weston, Ph.D., University of Georgia, 2005, Associate Professor — environmental science, biochemistry, coastal ecosystems, climate change

WEST CHESTER UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND PLANNING
DATE FOUNDED: 1935

DEGREES OFFERED: B.A. and M.A. in Geography, B.A. in Elective Social Studies Education, Master in Public Administration/Urban and Regional Planning Concentration

POST BACCALAUREATE CERTIFICATES OFFERED:
Geographic Information Systems (GIS), GIS Online, Urban and Regional Planning

GRANTED 9/1/12-8/31/13: 17 Bachelors, 11 Masters, 9 Certificates

STUDENTS IN RESIDENCE: 61 Majors, 44 Masters

NOT IN RESIDENCE: 5 Masters

CHAIR: Dorothy Ives Dewey

DEPARTMENT ADMINISTRATIVE ASST: Louise Dunn

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Dorothy Ives Dewey, Department of Geography and Planning, West Chester University, West Chester, Pennsylvania 19383. Telephone (610) 436-2746. Department telephone (610) 436-2343. Fax (610) 436-2889. E-mail: divesdewey@wcupa.edu. Internet: www.wcupa.edu/geography.

PROGRAMS AND RESEARCH FACILITIES:

Geography at West Chester, housed in the College of Business and Public Affairs, offers undergraduate majors and minors in geography, planning, and geographic information systems (GIS). Graduate students are offered two Masters Degree programs, and certificates in Geographic Information Systems and Urban and Regional Planning.

Undergraduate: Undergraduate majors may specialize in one of five specific areas of interest: (1) Geography, (2) Geographic Information Systems (GIS), (3) Planning, (4) Environmental, (5) Elective Social Studies Education. All five B.A. "tracks" provide comprehensive backgrounds in geography as a field of study. Students are encouraged to apply their knowledge and skills through directed internship experiences prior to graduation.

Graduate: Graduate programs include the Master in Public Administration (MPA) and the M.A. in Geography. The M.P.A. is an interdisciplinary degree which has a concentration in Urban and Regional Planning as well as six courses of instruction in specific administration skills (e.g., computer applications, accounting, and budgeting). There are two certificate programs.

The M.A. in Geography develops skills and expertise for problem solving in such areas as land use planning, demographic research, conservation of natural resources, urban environmental analysis, economic development, and GIS. It is a 33-hour thesis or non-thesis program. Internships are possible in both Masters programs.

The Certificate in Geographic Information Systems consists of six courses that teach the use of technologies of Geographic Information Systems (GIS) and Global Positioning Systems (GPS). These technologies are prominent workplace tools which are widely used in public and private sectors today. All six courses can be counted towards a Masters Degree program in Geography and Planning.

The Certificate in Urban and Regional Planning consists of six courses that teach a variety of subject areas in planning including transportation, environmental, land use and housing. The certificate can be earned separately, or as a component of the M.P.A.

The Department's facilities in Ruby Jones Hall and Anderson Hall include GIS laboratories with Arc/GIS suite of software and extensions and ESRI's Business Analyst. GIS applications are continuously updated. Facilities also include global positioning system (GPS) hardware and software, large format plotters, and extensive collections of maps, air photos, and other imagery.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University operates on the semester system. In addition to the fall and spring semesters there are two five-week summer sessions and a three-week winter session. Admission decisions are based on evaluations of transcripts, work experience and/or standardized test scores, and letters of recommendation. Some assistantships and other types of financial aid are available.

FACULTY:

Gary W. Coutu, Ph.D., Texas A&M, 2001, Associate Professor — GIS, watershed delineation and analysis, remote sensing applications

Kristen B. Crossney, Ph.D., Rutgers University, 2006, Assistant Professor — urban studies, planning and policy, housing

George W. Fasic, M.S., Urban Planning, Columbia, 1962, Part — time, Assistant Professor — (Former Director, Chester County Planning Commission)

Joy A. Fritschle, Ph.D., Wisconsin-Madison, 2007, Associate Professor — biogeography, environmental planning, GIS

Megan Heckert, Ph.D., Temple University, 2012, Assistant Professor — GIS, urban environmental, sustainability

Dorothy Ives Dewey, Ph.D., Pennsylvania, 1996, Associate Professor — planning, GIS

Matin Katirai, Ph.D., Louisville, 2009, Assistant Professor — business GIS, public health GIS, urban planning

James P. Lewandowski, Ph.D., Ohio State, 1991, Professor — urban/economic, international trade, quantitative methods, GIS

Joan M. Welch, Ph.D., Boston, 1990, Professor — biogeography, conservation, sustainability

SOUTH CAROLINA

CLEMSON UNIVERSITY

DEPARTMENT OF HISTORY AND GEOGRAPHY

DEGREES OFFERED: Minor

CHAIR: Thomas Kuehn

DEPARTMENT ADMINISTRATIVE ASST: Sheri
Marcus Burdette

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Thomas Kuehn, Department of History and Geography, Clemson University, 126 Hardin Hall., Clemson, South Carolina 29634. Telephone (864) 656-5361. E-mail: tjkuehn@clemson.edu
Internet: <http://www.clemson.edu/caah/history/>.

PROGRAMS AND RESEARCH FACILITIES: The Department of History and Geography offers a minor in Geography. In addition to the minor, introductory courses in Geography fulfill important university and college requirements as cultural awareness and social science credits. The department primarily focuses on teaching various aspects of human geography and despite the small size of the geography staff creates a rich and broad curriculum that immerses students in the discipline. Independent studies are available in order to tailor upper-level subject matter toward student interests. Opportunities to participate in critical inquiry groups are also offered occasionally. The department has also recently acquired a computer facility dedicated to Geospatial Information Science and intends to begin GIS course instruction within the next two years.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Clemson University is on a semester plan. Admission requirements are available from: Office of Admissions, Clemson University, 105 Sikes Hall, Box 345124, Clemson, SC 29634-5124 (<http://www.clemson.edu/admissions/>). Financial Aid information may be obtained from the financial aid office, G-01 Sikes Hall, Box 345123, Clemson, SC 29634 (<http://www.clemson.edu/financial-aid/>).

FACULTY:

Lance F. Howard Ph.D., UCLA, 1994, Senior Lecturer — Cultural Geography, Historical Geography, Geomancy

Christa A. Smith Ph.D., University of Tennessee, 2000, Associate Professor — Historic Preservation, American South, Urban Geography

William C. Terry Ph.D., University of South Carolina, 2009, Assistant Professor — Economic Geography, Tourism Geography, Food Geography, Geography of Latin America and the Caribbean

UNIVERSITY OF SOUTH CAROLINA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1963

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: B.A., B.S., M.A., M.S., and Ph.D.

GRANTED 7/1/12-6/30/13: 24 Bachelors, 4 Masters, 3
Ph.D.

STUDENTS IN RESIDENCE: 65 Majors, 30 Masters, 33
Ph.D.

CHAIR: John A. Kupfer

GRADUATE PROGRAM COORDINATOR: Mr. Capers
Stokes

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Director of Graduate Studies, Department of Geography, University of South Carolina, Columbia, South Carolina 29208. Telephone (803) 777-5234. Fax (803) 777-4972. E-mail: Dr. Caroline Nagel, cnagel@mailbox.sc.edu. For more information about the department and to request graduate application materials see the Department's home page: <http://artsandsciences.sc.edu/geog/>.

PROGRAMS AND RESEARCH FACILITIES: The department offers training in fundamental geographic skills and the opportunity for advanced study and research in four thematic areas: geographic information sciences, physical geography, nature and society, and human geography focused on space, place, inequality and identity. In addition to considerable expertise in a variety of regions in the United States, the department also has international regional expertise in Africa, the Middle East, South America and Europe.

Geographic Information Sciences in the department encompasses an understanding of cartography and geovisualization, remote sensing of the environment, spatial analysis and data mining, and geographic information systems (GIS). GIScience faculty conduct research that addresses basic questions in geographic technologies as well as applications of geospatial technologies to problems in hazards, public health, population studies, landscape ecology, geomorphology, and environmental change.

Physical geographers in our department investigate patterns and processes associated with the atmosphere, biosphere, hydrosphere, and lithosphere and explore the nature and causes of their natural variability and change. Specialized expertise includes climatology and meteorology, fluvial and aeolian geomorphology, hydrology, biogeography and landscape ecology. Many of our physical geographers utilize geospatial technologies in their work.

Nature and Society specialists in the department focus on understanding the patterns and processes of human-environmental interactions. The increasing complexity of coupled natural and human systems necessitates an integrative perspective for understanding local to global environmental transformations and changing human security. Our faculty specialize in a range of relevant areas, including political ecology; human dimensions of global change; risks, vulnerability, and hazards; and resource use and management.

Space, Place, Identity and Inequality are the focus of several human geographers in the department. At the core of the research of this group is a critical approach to understanding how people construct their identity and inequality across scales and locations. The theory-building and empirical research of this group focuses on the spatiality of economic, cultural, social, and political power.

The department offers Ph.D., M.A., M.S., B.A., and B.S. degrees focused on these thematic areas. The Ph.D. program prepares students for high-level careers in the geographic profession. Ph.D. graduates

are prepared for positions in governmental agencies, corporations, and businesses, as well as for careers as college or university faculty members. The M.A. and M.S. programs prepare students for further graduate study and for employment in planning, business, government service, and teaching. The M.A. degree is for students with interests in human and regional geography, whereas the M.S. degree is for students with interests in physical/environmental and technical geography including geographic information science. The department offers the B.A. and B.S. degrees in Geography with concentrations in physical/ environmental, human/economic, and geographic information science. The internship program allows advanced undergraduates and graduate students to acquire on-the-job experience to enhance their professional development and to smooth the transition from university to career settings.

The department is home to several research centers and institutes. The Hazards and Vulnerability Research Institute is an interdisciplinary research and graduate and undergraduate training center focused on the development of theory, data, metrics, methods, applications, and spatial analytical models for understanding the newly emergent field of hazard vulnerability science. The Carolinas Integrated Sciences and Assessments (CISA), which is supported by NOAA's Regional Integrated Sciences and Assessments (RISA) program, works with stakeholders across South Carolina and North Carolina to incorporate climate information into water and coastal management and related decision-making processes. The department also houses the South Carolina Geographic Alliance and the state-funded Center for Excellence in Geographic Education, which provide outreach to primary and secondary school educators and statewide leadership in the application of geographic knowledge to the K-12 curriculum. There are several specialized research and training facilities within the department including: the GISciences Research Lab, the Earth Surface Patterns and Processes Lab Complex, the Beach and Dune Processes Laboratory, the South Carolina Applied Landscape Ecology Lab, and the Humanitarian Response and Development Lab.

The department is a founding member of the University Consortium for Geographic Information Science (UCGIS) and has extensive computer resources. These include over 100 computers with ArcGIS, ERDAS, and other state-of-the-art software. With 11 web and data servers (SQL-based), the department has extensive web development and deployment infrastructure. In addition, we have an extensive and well-maintained collection of GPS instruments (Trimble Pro-XR), reflectorless total stations (Leica), hand-held radiometer, high resolution color plotters, scanners, and slide-making equipment. The department employs a full-time systems analyst and is home to the Campus GIS Coordinator, who provides training and technical support to an extensive interdisciplinary research community.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: All majors are required to take introductory courses in physical geography (including a lab) and human geography, as well as a senior capstone seminar, for a total of 10 hours. Additional coursework (21-24 hours) can be taken in one of the three specialized concentrations (physical/environmental, human/economic, geographic information science) or by completing a general geography degree that consists of courses selected from across the curriculum in conjunction with a student's advisor. All faculty are actively involved in the undergraduate program, so virtually all aspects of the field are represented in lower division and upper division courses. Cognate and minor arrangements exist with several professional schools (Business Administration, Journalism, Public Health, etc.) and with other units in the College of Arts and Sciences, such as Earth and Ocean Sciences, Marine Science, Environmental Studies, Media Arts, Political Science, International Studies, and Economics.

GRADUATE: Academic Plan: The Doctoral program has a core requirement of 9 semester hours. Additional electives (12 semester hours) are focused on courses to support the student's research

interests. Each student works closely with an advisor to determine the coursework necessary to complete a satisfactory dissertation. Twelve semester hours of doctoral research are required. All doctoral students will serve as an instructor or teaching assistant for at least one course.

The Masters degree programs require a minimum of 31-37 semester hours of graduate work. Small informal classes and seminars offer students the chance to work closely with faculty members, while the flexible program requirements offer the opportunity to take related work in other University departments. Specialization in the M.A. and M.S. programs is normally attained by writing a thesis in addition to at least 25 semester hours of coursework. Prior to the start of the fall semester, the department sponsors a required regional field excursion in the Southeast for all entering graduate students.

Admissions Requirements: In support of an application, a student is required to submit official transcripts of all previous study, Graduate Record Examination scores, two letters of recommendation, a brief written statement describing career objectives and probable specialties, and an Application Summary Form. TOEFL scores are required of all applicants for whom English is not the primary language. For the doctoral program, a master's degree is required. For the masters programs, the Department prefers but does not require an applicant to have an undergraduate major in geography; it does, however, require evidence of the intellectual ability to perform graduate-level work, and students with deficient backgrounds in geography may be required to complete remedial work. Please see the department webpage for application deadlines.

Financial Aid: Graduate assistantships carry stipends of \$12,500-\$13,500 for the academic year. Fellowships are available on a highly competitive basis for up to \$15,000 per academic year and are renewable for up to three years. The Graduate School and Department offer travel support for presentations at professional meetings.

FULL-TIME FACULTY:

Jessica Barnes, Ph.D., Columbia, 2010, Assistant Professor — culture and politics of resource use and environmental change in the Middle East, environment and development

Sarah Battersby, Ph.D., University of California, Santa Barbara, 2006, Associate Professor — cartography, cognitive science, geography education

Gregory J. Carbone, Ph.D., Wisconsin-Madison, 1990, Professor — climatology, environmental decision-making

Edward R. Carr, Ph.D., Syracuse University, 2001, University of Kentucky, 2002, Associate Professor — development, globalization, human dimensions of global change, Africa

Susan L. Cutter, Ph.D., Chicago, 1976, Carolina Distinguished Professor — environmental hazards and risks, environmental policy, natural resources

Kirstin Dow, Ph.D., Clark, 1996, Professor — human dimensions of global environment change, environmental/climate hazards, vulnerability, and adaptation

Jean T. Ellis, Ph.D., Texas A&M, 2006, Associate Professor — geomorphology, aeolian and coastal sediment transport, coastal management, applied science

Chris Emrich Ph.D., South Carolina, 2005, Research Associate Professor — emergency management, disaster recovery, emergent technology

Melanie Gall, Ph.D., South Carolina, 2007, Research Assistant Professor — environmental hazards & risk; vulnerability, resilience and adaptation, emergency management and policies

Diansheng Guo, Ph.D., Pennsylvania State, 2003, Associate Professor — geographic information science, spatial data mining, geocomputation

Conor Harrison, Ph.D., North Carolina, 2014, Assistant Professor — social impacts of energy and infrastructure, economic geography

April Hiscox, Ph.D., Connecticut, 2006, Assistant Professor — boundary layer meteorology, land-air interactions, forest meteorology

Michael E. Hodgson, Ph.D., South Carolina, 1987, Professor — geographic information science, remote sensing, hazards
L. Allan James, Ph.D., Wisconsin-Madison, 1988, Professor — geomorphology, surface hydrology, water resources, Quaternary science
David Kneas, Ph.D., Yale, 2014, Assistant Professor — environmental anthropology in Latin America, science and technology studies
John A. Kupfer, Ph.D., Iowa, 1995, Professor — biogeography, landscape ecology, public land management, spatial analysis, GIScience
Amy Mills, Ph.D., Texas, 2004, Associate Professor — cultural landscapes and historical memory, urban cultures, place and identity, gender and urban space, nationalism and modernity, Middle East
Jerry Mitchell, Ph.D., South Carolina 1998, Research Associate Professor — geographic education, environmental hazards, tourism
Cary Mock, Ph.D., Oregon, 1994, Professor — synoptic climatology, climate change, historical and Quaternary environments
Caroline R. Nagel, Ph.D., University of Colorado, 1998, Associate Professor — migration, transnationalism, identity, citizenship, Arab immigrants
Cuizhen (Susan) Wang, Ph.D., Michigan State University, 2004, Assistant Professor — bio-environmental remote sensing, GIS, spatial analysis

EMERITI FACULTY:

Allen D. Bushong, Ph.D., Florida, 1961
David Cowen, Ph.D., Ohio State, 1971
Patricia Gilmartin, Ph.D., Kansas, 1980
William L. Graf, Ph.D., Wisconsin Madison, 1974
John F. Jakubs, Ph.D., Ohio State, 1974
Robert L. Janiskee, Ph.D., Illinois, 1974
John R. Jensen, Ph.D., UCLA, 1976
Charles F. Kovacic, Ph.D., Michigan State, 1970
Robert E. Lloyd, Ph.D., Pennsylvania State, 1974
Paul E. Lovingood, Jr., Ph.D., North Carolina, 1962
Julian V. Minghi, Ph.D., Washington, 1962
Lisle S. Mitchell, Ph.D., Ohio State, 1967
William R. Stanley, Ph.D., Pittsburgh, 1966
Theodore R. Steinke, Ph.D., Kansas, 1979

SOUTH DAKOTA

SOUTH DAKOTA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1967

GRADUATE PROGRAM FOUNDED: 1974

DEGREES OFFERED: B.S., M.S. Geography; B.S.

**Geographic Information Sciences; Ph.D. in Geospatial
Science and Engineering**

GRANTED 1/13-12/31/13: 21 Bachelors, 8 Masters

STUDENTS IN RESIDENCE: 60 Majors, 30 Masters

NOT IN RESIDENCE: 10 Masters

HEAD: George W. White

**DEPARTMENT ADMINISTRATIVE ASST: Delora
Bennett**

**FOR CATALOG AND FURTHER INFORMATION WRITE
TO: Darrell Napton, Graduate Program Coordinator, Department of
Geography, 406 Wecota Hall Annex-Box 506, South Dakota State**

University, Brookings, South Dakota 57007. Telephone (605) 688-4840. Fax (605) 688-4030. E-mail: George.White@sdstate.edu. Internet: <http://www.sdstate.edu/geo/>.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography offers Bachelors of Science degrees in Geographic Information Sciences and Geography, a Master of Science degree, and minors in Geographic Information Sciences and Geography, which are offered at both the undergraduate and graduate levels. An undergraduate certificate in Geographic Information Sciences also is available. Many of the department's courses are offered online. The geography minor is offered completely online. An interdisciplinary PhD program in Geospatial Science and Engineering also is offered in collaboration with the Geospatial Sciences Center of Excellence (GSCE).

The Geographic Information Systems (GIS) laboratory is a fully equipped 18-seat instructional and research computer facility. The lab is supported through a state higher education site license for the latest releases of ESRI GIS software.

Internships at the undergraduate and graduate level are generally available with the USGS EROS Center, planning agencies at the state, regional, county, and city level, governmental agencies, and business and industry.

The H.M. Briggs Library contains the largest geography collection in the state. It is a government depository and has a full complement of USGS topographic maps and South Dakota Fire Insurance Maps. The USGS EROS Center offers related facilities to benefit students, as do the South Dakota Geographic Alliance office, the Northern Plains Hazard Research Office, and the South Dakota Census Data Center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The Bachelor of Science degrees require a total of 120 semester credit hours. Areas outside the department, beneficial to the student, include Computer Science, Biology, Economics, Education, Engineering, Mathematics, Plant Science, Natural Resource Management, and Sociology. The undergraduate program in geography includes coursework in research methods, human, physical, and regional geography.

A minimum of 30 semester credits is required for the Master of Science degree, of which at least 22 credits must be earned in the major. The thesis may account for up to six of these credits. Financial aid includes several Graduate Teaching Assistantships. South Dakota State University is a Land Grant Institution with several natural resources and social science departments that complement geography. The department has on-going collaboration with an institute in Romania and has recently begun an overseas summer experiences in West Africa. The graduate program in geography includes coursework in geospatial techniques; physical environment; political geography, culture, and place; and rural and urban land systems.

FACULTY:

Hilary Hungerford, Ph.D., University of Kansas, 2012, Assistant Professor — urban, community development, water, qualitative methods, Africa

Yan Lin, Ph.D., Texas State University-San Marcos, 2013, Assistant Professor — GIS, public health, GIS applications in the environment

Trisha Jackson, Ph.D., University of Kansas, 2011, Assistant Professor — physical, human-environment interactions, soil science, climate change, sustainability science, and food systems

Bruce Millett, Ph.D., South Dakota State University, 2004, Assistant Professor — physical, air photo

Darrell Napton, Ph.D., Minnesota, 1987, Professor — land use and land use systems, human-environmental interactions, sustainability and future geographies, rural and agricultural, and North America

David Roy, Ph.D., Cambridge University, 1994, Professor — physical, remote sensing, land use land cover change.
 Robert Watrel, Ph.D., Nebraska, 2001, Associate Professor — cartography, political, Great Plains
 George W. White, Ph.D., University of Oregon, 1994, Professor and Head — world regional, political, culture, ethnicity, and identity formation, Europe, geographic thought
 Xiaoyang Zhang, Ph.D., Associate Professor, University of London, 1999 — remote sensing science and applications in land cover land use

EMERITI FACULTY:

Donald J. Berg, Ph.D., UC, Berkeley, 1976, Professor — physical, hazards, American Indians, world regional
 Charles F. Gritzner, Ph.D., Louisiana State, 1969, Distinguished Professor — cultural, developing countries, history and philosophy of geography, geographic education
 Janet H. Gritzner, Ph.D., Louisiana State, 1978, Professor — cultural, remote sensing, geographic information systems, Africa
 Edward Patrick Hogan, Ph.D., Saint Louis, 1969, Professor and Assistant Vice President for Academic Affairs — South Dakota, human, research, industrial
 Roger K. Sandness, Ph.D., Iowa, 1986, Professor — physical, computer cartography, quantitative methods

ADJUNCT FACULTY:

Norman Bliss, Ph.D., Associate Professor, EDC, University of Pennsylvania, 1978
 Erin Hogan Foubert, Ph.D., Associate Professor, University of Nebraska, 1997
 Alisa Gallant, Ph.D., Associate Professor, EDC, Colorado State University, 1997
 Dean B. Gesch, Ph.D., Assistant Professor, EDC, South Dakota State University, 2006
 Chandra P. Giri, Ph.D., Associate Professor, EDC, Asian Institute of Technology-Bangkok
 Rachel Headley, Ph.D., Assistant Professor, The Pennsylvania State University, 2003
 Robert W. Hill, M.S., Instructor, South Dakota State University, 2003
 Lauri B. Sohl, M.S., Instructor, South Dakota State University, 2002
 Gray Tappen, M.A., Assistant Professor, University of Kansas, 1981
 Limin Yang, Ph.D., Professor, EDC, University of Nebraska, 1994

The following are Research Scientists at the Geospatial Sciences Center of Excellence (GSCE) at South Dakota State University:

Geoffrey Henebry, Ph.D., Professor, University of Texas at Dallas, 1989, GISCE, Interim Co-Director
 Mark Cochrane, Ph.D., Professor, Pennsylvania State University, 1998
 Niall Hanan, Ph.D., Professor, University of London, 1990
 Thomas Loveland, Ph.D., Professor, EDC, University of California-Santa Barbara, 1998
 Lara Prihodko, Ph.D., Research Assistant Professor, Colorado State University, 2004
 David Roy, Ph.D., Professor, Cambridge University, 1994
 Gabriel Senay, Ph.D., Associate Professor, EDC, Ohio State University, 1996
 James Vogelmann, Ph.D., Professor, Indiana University, 1983
 Mike Wimberly, Ph.D., Professor, Oregon State University, 1999
 Xiaoyang Zhang, Ph.D., Associate Professor, University of London, 1999

TENNESSEE

UNIVERSITY OF TENNESSEE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1914

GRADUATE PROGRAM FOUNDED: 1928

DEGREES OFFERED: B.A., M.S., Ph.D.

GRANTED 7/1/2012-06/30/2013: 28 Bachelors, 10 Masters, 4 Ph.D.

STUDENTS IN RESIDENCE: 108 Majors, 33 Masters, 19 Ph.D.

NOT IN RESIDENCE: 6 Masters, 6 Ph.D.

HEAD: Derek H. Alderman

ASSOCIATE HEAD: Henri D. Grissino-Mayer

DIRECTOR OF GRADUATE STUDIES: Liem T. Tran

FOR FURTHER INFORMATION WRITE TO: Department of Geography, 304 Burchfiel Geography Building, University of Tennessee, Knoxville, Tennessee 37996-0925. Telephone (865) 974-2418. Fax (865) 974-6025. E-mail: utkgeog@utk.edu. Home page: <http://web.utk.edu/~utkgeog>.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Geography, in the College of Arts and Sciences, offers a B.A. degree and an honors option with a senior thesis. The major emphasizes the breadth of the discipline while allowing students to assemble a mix of courses and skills uniquely suited to their interests and career needs. Skills acquired include GIS, cartography, field and lab techniques, and experience in qualitative and quantitative analysis. The department has areas of special strength in physical geography/climate change, urban/economic geography, transportation geography/spatial analysis, and cultural/social geography. Courses required for the major are Introduction to Cartography, the Senior Proseminar, a methods course, a physical geography course, a human geography course, a regional studies course, and nine additional hours. Faculty members make special efforts to involve undergraduates in their research. Students have obtained internships with NOAA, NASA, and National Geographic as well as local firms, campus research units, and nearby government agencies, including the Oak Ridge National Laboratory.

GRADUATE: The faculty, with extensive world-wide experience (East Asia, China, Latin America, Europe, the American South, the American West, and Canada), is exceptionally qualified to direct graduate research in: transportation, technology, and society; population, migration, and politics; race/ethnicity, identity, and social justice; cities, urban economies, trade and globalization; biogeography; climate and environmental history; geomorphology and soils; human-environment interaction and water resources; geographic information science; GIS database design and programming; geo-computation and environmental modeling; statistical mapping and census data analysis; socio-economic and environmental applications for GIS; and remote sensing and spatial modeling with an emphasis on natural resource assessment.

The Master's Degree emphasizes research and professional development, and offers opportunities to acquire substantial depth in a sub-field. The degree requires a minimum of 30 hours of approved graduate credit. Required courses include Introduction to Geographical Research, Research Design and Field Methods, Quantitative Methods, a minimum of three hours in a research seminar, and participation in the departmental Colloquium. Students without a sound undergraduate background in geography may require additional credit hours. Up to six hours of thesis credit may be

counted toward the degree. Although a non-thesis degree option does exist, the thesis approach is strongly recommended for most students.

The Ph.D. is granted to candidates who demonstrate proficiency in conducting independent research and complete a dissertation that makes a significant and original contribution to geography. Completion of a Master's Degree is required prior to full admission into the Ph.D. program. Course requirements are determined by the student's doctoral committee, but must include the basic graduate courses (Geographic Concept and Method, Topics in Quantitative or Qualitative Methods), nine hours of credit in related fields outside the department, three doctoral seminars, and participation in the departmental Colloquium. Competence in theories and methodologies pertinent to the student's research specializations (including foreign languages, when appropriate) are also required. Admission to candidacy is granted following successful completion of written comprehensive examinations and an oral examination over the student's program and dissertation proposal.

RESEARCH FACILITIES: The Burchfiel Geography Building (BGB) is centrally located near other natural science departments and various University resources, including the library, with a map library housing one of the nation's largest geosciences collections. Both the University and Department computer labs contain a wide array of GIS, remote sensing, and statistical software. The BGB houses Cartography, GIS, and Remote Sensing facilities; laboratories for research on soil and watershed dynamics; and three physical geography teaching laboratories. The nearby Science and Engineering Building houses facilities for global environmental change research, including laboratories for analysis of organic and mineral sediment, soils, pollen grains and other microfossils, and tree rings; and laboratory space for climate modeling, computer imaging of fossil charcoal samples, and scanning electron microscopy. The Claxton Lab Facility, which includes numerous computer workstations, is used for various research activities by faculty and students engaged in geospatial science, physical geography, and human geography.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University of Tennessee operates on a semester system. General information on admission requirements may be obtained from Graduate School, 111 Student Services Building, Knoxville, TN 37996-0211 (gradschool.utk.edu/). Students interested in geography graduate studies should contact the department (utkgeog@utk.edu) or visit the department's web page. Interested students are also encouraged to follow the department on Facebook (www.facebook.com/UTKGeography).

Although graduate students may begin during any term, the fall term is strongly recommended. A 3.0 (4.0 scale) or higher undergraduate grade point average is normally required for admission to a graduate degree program. Official transcripts of all previous college work, three letters of recommendation and GRE scores are required. No single criterion will dominate, but the aggregate should provide strong evidence of ability and potential. Foreign students without degrees from an English speaking institution must submit TOEFL scores (passing marks are 550 for the paper-based test, 213 for the computer-based test, or 80 for the internet-based test (iBT)). Admission to the geography graduate program is subject to the availability of space and faculty advisors.

Several types of financial aid are available, including teaching and graduate assistantships that include a stipend and tuition waiver. Research grants and contracts provide additional opportunities for support, and part-time research positions are often available through various campus research units and through the Oak Ridge National Laboratory. In addition, the Graduate School offers a variety of graduate fellowship opportunities.

FACULTY:

Derek Alderman, Ph.D., Georgia, 1998, Professor — cultural, historical, public memory, American South, tourism, race
Budhendra L. Bhaduri, Ph.D., Purdue, 1998, Professor — Geographic data science, Population distribution and dynamics, Energy geography, Emergency preparedness and response
Kelsey N. Ellis, Ph.D., Florida State University, 2010, Assistant Professor — climatology, meteorology, atmospheric hazards, human-environment interaction
Ronald A. Foresta, Ph.D., Rutgers, 1979, Professor — urban revitalization, landscape and ideology, Latin America
Henri D. Grissino-Mayer, Ph.D., Arizona, 1995, Professor — global change, biogeography, dendrochronology, climatology, forest ecology, quantitative methods
Carol P. Harden, Ph.D., Colorado, Boulder, 1987, Professor — geomorphology, watershed dynamics, Latin America
Sally P. Horn, Ph.D., UC, Berkeley, 1986, Professor — biogeography, quaternary environments, Latin America
Joshua Inwood, Ph.D., Georgia, 2007, Associate Professor — urban, cultural, critical race theory, qualitative methods economic geography
Ronald V. Kalafsky, Ph.D., SUNY at Buffalo, 2002, Associate Professor — economic geography
Hyun Kim, Ph.D., Ohio State University, 2008, Assistant Professor — transportation, telecommunications, geographic information science, spatial optimization and modeling
Yingkui Li, Ph.D., Peking University, 2001, Associate Professor — geomorphology and paleo-climate reconstruction, Cosmogenic nuclides, GIS/spatial analysis, Tibetan Plateau and Tian Shan
Nicholas Nagle, Ph.D., University of California-Santa Barbara, 2005, Assistant Professor — spatial analysis, population geography, urban geography
Bruce A. Ralston, Ph.D., Northwestern, 1976, Professor — part-time, transportation and location, diffusion theory, geographic information science
Madhuri Sharma, Ph.D., Ohio State, 2009, Assistant Professor — urban-social dimensions of race and ethnicity, poverty and inequality, mixed-method approaches
Shih-Lung Shaw, Ph.D., Ohio State, 1986, Professor — transportation, geographic information science, space-time analysis
Robert Stewart, Ph.D., Tennessee, 2011, Assistant Professor — GIS, risk and decision analysis, environmental regulatory guidance
Liem T. Tran, Ph.D., Hawaii, 1999, Associate Professor — environmental modeling, integrated environmental assessment
Francoise Micheline van Riemsdijk, Ph.D., Colorado, 2008, Assistant Professor — population, migration, urban, gender, qualitative methods
Robert A. Washington-Allen, Ph.D., Utah State University, 2003, Assistant Professor — biogeography, complex systems, landscape ecology, pastoralism, remote sensing, spatial modeling

TECHNICAL STAFF:

William Fontanez, M.S., Ohio University, 1981 Director of Cartographic Services Laboratory

ADJUNCT FACULTY:

Maria Caffrey, Ph.D., University of Tennessee, 2011, Adjunct Assistant Professor — paleo-environmental reconstruction, palynology, quaternary environments
Nathaniel B. Guttman, Ph.D., North Carolina State University, 1972, Adjunct Professor — climate
Jon Harbor, Ph.D., Washington (Seattle), 1990, Adjunct Professor — geomorphology, climate change, water resources, land use impact
Matthew Heric, Ph.D., Virginia Tech, 1996, Adjunct Assistant Professor — GIS, remote sensing, cultural modelling, software development
Chad Lane, Ph.D., Tennessee, 2007, Adjunct Assistant Professor — biogeography

Cheng Liu, Ph.D., Tennessee, 1986, Adjunct Associate Professor — transportation, geographic information systems
Kenneth H. Orvis, Ph.D., UC Berkeley, 1992, Adjunct Associate Professor — landscape, climatology, global change, paleo-climate
Robert Pavlowsky, Ph.D., Wisconsin (Madison), 1995, Adjunct Professor — geomorphology, water quality, soils
Dali Wang, Ph.D., NY Rensselaer Polytechnic Institute, Adjunct Assistant Professor — environmental engineering

EMERITUS FACULTY:

Charles S. Aiken, Ph.D., Georgia, 1969, Professor Emeritus — rural, North America, U.S. South
Thomas L. Bell, Ph.D., Iowa, 1973, Professor Emeritus — location theory, urban, economic, geographic thought and methodology, popular culture
Leonard W. Brinkman, Ph.D., Wisconsin, 1964, Associate Professor Emeritus — historical, North America, Appalachia
Clarence W. Minkel, Ph.D., Syracuse, 1960, Professor Emeritus — Latin America, geography of development
Lydia Mihelic Pulsipher, Ph.D., Southern Illinois, 1977, Professor Emeritus — historical, cultural ecology, sustainable development, gender, critical theory

TEXAS

TEXAS A&M UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1968

GRADUATE PROGRAM FOUNDED: 1968

DEGREES OFFERED: B.S. Geography, B.S. Geographic Information Science and Technology, B.S. Environmental Studies, B.S. Spatial Sciences, M.S., Ph.D.

GRANTED 9/1/12-8/31/13: 54 Bachelors (30 Geography, 24 Environmental Studies) 5 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 98 Geography, 105 Environmental Studies and 3 Spatial Sciences Majors, 19 Masters, 32 Ph.D.

NOT IN RESIDENCE: 0 M.S., 0 Ph.D.

HEAD: David M. Cairns

DEPARTMENT ADMINISTRATIVE ASST: Carria Collins

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Graduate Director, Department of Geography, College of Geosciences, MS 3147, Texas A&M University, College Station, Texas 77843-3147. Telephone (979) 845-7141. Fax (979) 862-4487. E-mail: growe@geog.tamu.edu.

Internet: <http://geography.tamu.edu/>. Online catalog can be obtained from Admissions, at <http://catalog.tamu.edu/>. An application is available at www.applytexas.org or <http://admissions.tamu.edu/>.

PROGRAMS AND RESEARCH FACILITIES: The department offers advanced training in five themes. *Physical geography* emphasizes the study of surficial processes in the fields of geomorphology, biogeography, climatology and hydrology. *Human geography* includes programs in cultural, historical, economic, urban, and political geography. A third theme integrates *Human-environment interactions*; specific foci are conservation and development, cultural and political ecologies, environmental history, environmental justice, environmental policy, water resources and

land-use change. The *Geography Education* program emphasizes research on how geography is taught and learned. Topics include spatial learning, effective use of information technology, assessment, and institutional factors in geography education. The Geographic Science and Technology theme aims to provide modern training in theory and application of GIS and remote sensing.

The department maintains a comprehensive spatial analysis and mapping laboratory, including both workstation and networked PC-based hardware and software for geographical information systems, remote sensing, digital image processing and computer mapping and graphics. There are three physical geography teaching laboratories and six research laboratories. The equipment and facilities include standard gear for field surveying and mapping, soil and sediment analysis, vegetation analysis, water quality and hydrology, as well as specialized equipment. Students and faculty are actively involved in the interdisciplinary research and teaching activities in the College of Geosciences. The College comprises programs in geology, geophysics, meteorology, oceanography and geography. The department is a partner in the College's Light Stable Isotope Analytical Facility. Geographers participate in other interdisciplinary groups or facilities, including the George Bush School of Government and Public Service, Whole Systems Genomics Institute, Applied Biodiversity Science Program, Center for Science and Technology Policy and Ethics, the Spatial Sciences Laboratory, Texas Center for Climate Studies, The Texas A&M Water Program, and the Center for the Study of First Americans. The department collaborates with the Department of Ecosystem and Science Management to administer Graduate Certificate Programs in Remote Sensing and Geographic Information Sciences.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: This program is on the semester system. The B.S. degree requires 120 credit hours of which 55 must be in geography. Applicants are evaluated on an individual basis that assesses academic achievement, potential for success, and other factors. No single factor may be used for the determination of admission or rejection of an applicant. The department offers a B.S. in geography with an option in Geographic Information Science that requires 24 units of directed electives in addition to the requirements of the Major. The department offers minors in Geography and Geoinformatics, and administers B.S. degree programs in Environmental Studies and in Spatial Sciences.

Graduate: Three degree programs are offered by the department: M.S., M. Geosciences, and Ph.D. Applicants must submit an application form and fee, undergraduate transcript and graduate transcript (Ph.D. only), GRE scores (verbal and quantitative), three letters of recommendation and a statement of purpose. Applications for Fall 2015 should be submitted by January 1, 2015, for full consideration for fellowships and scholarships. Research and teaching assistantships and fellowships are available through the Department and the University.

FULL AND PART-TIME FACULTY:

Robert S. Bednarz, Ph.D., Chicago, 1975, Professor — spatial thinking and cognition, geographic education, economic, urban, property value, taxation

Sarah W. Bednarz, Ph.D., Texas A&M, 1992, Professor — geography education, human geography, curriculum development, environmental education, GIScience and education, education for sustainable development

Michael Bishop, Ph.D., Indiana State University, 1987. Professor & Haynes Chair in Geosciences — Remote sensing, GIS, geomorphometry, spatial analysis and modeling, mountain geomorphology, cryospheric sciences

Christian Brannstrom, Ph.D., Wisconsin, 1998, Professor and Director of Environmental Programs — political/cultural ecology, historical geography, agriculture, Latin America

David M. Cairns, Ph.D., Iowa, 1995, Professor and Department Head — biogeography, landscape ecology, ecosystem modeling, GIS applications

Michael C. Ewers, Ph.D., The Ohio State University 2010, Assistant Professor — economic development, knowledge transfer, migration, oil, Middle East

Anthony M. Filippi, Ph.D., South Carolina 2003, Associate Professor — remote sensing, GIS, ocean optics, machine learning

Oliver W. Frauenfeld, Ph.D., University of Virginia, 2003, Assistant Professor — synoptic climatology, surface-atmosphere interactions, climate change

John R. Giardino, Ph.D., P.G., Nebraska, 1979, Professor and Head of Geology and Geophysics Department — periglacial, engineering and fluvial geomorphology, Earth science education (joint appointment with Geology and Geophysics)

Daniel Goldberg, Ph.D., University of Southern California, 2010, Assistant Professor — GIS, CyberGIS, GIS Programming & Algorithms, Spatial Databases, HealthGIS (joint appointment with Computer Science)

Inci Güneralp, Ph.D., Illinois, Urbana-Champaign, Assistant Professor — fluvial geomorphology, lowland rivers, spatio-temporal modeling, human impact on fluvial systems

Chris Houser, Ph.D., Toronto, 2004, Associate Professor and Associate Dean for Academic Affairs and Faculty Development — process geomorphology, ecogeomorphology, coastal and aeolian environments (joint appointment with Geology and Geophysics)

Peter J. Hugill, Ph.D., Syracuse, 1977, Professor — cultural/historical, political, world system theory, landscape, Anglo-America

Wendy Jepson, Ph.D., UCLA, 2003, Associate Professor and Undergraduate Program Director — land-use and land-cover change, political ecology, economic geography, water resources, environmental justice, Latin America

Andrew G. Klein, Ph.D., Cornell, 1997, Associate Professor — remote sensing, GIS, glacial geomorphology, cryosphere, hydrology

Charles W. Lafon, Ph.D., Tennessee, 2000, Professor and Assistant Department Head — biogeography, vegetation dynamics

Kathleen O'Reilly, Ph.D., Iowa, 2002, Associate Professor — political/cultural ecology, gender, water resources, South Asia, queer studies

Steven M. Quiring, Ph.D., Delaware, 2005, Associate Professor and Graduate Program Director — climatology, drought, hydroclimatology

E. Brendan Roark, Ph.D., California, Berkeley, 2005, Assistant Professor — paleoceanography, geochemistry, earth system sciences, corals, deep-sea corals

Jonathan M. Smith, Ph.D., Syracuse, 1991, Professor — cultural, historical, history and philosophy of geography, United States

Vatche P. Tchakerian, Ph.D., UCLA, 1989, Professor — desert and coastal geomorphology, aeolian environments, Quaternary (joint appointment with Geology and Geophysics)

Michael R. Waters, Ph.D., Arizona, 1983, Professor — geoarcheology, fluvial geomorphology, Quaternary (joint appointment with Anthropology)

EMERITI FACULTY:

Clarissa T. Kimber, Ph.D., Wisconsin, 1969, Professor Emeritus — plant geography, sustainable agriculture, Caribbean

Campbell W. Pennington, Ph.D., California-Berkeley, 1959, Professor Emeritus — historical geography of the United States, Middle America, Mexico

Joseph Sonnenfeld, Ph.D., Johns Hopkins, 1957, Professor Emeritus — behavioral, resources, extreme environments

AFFILIATED AND GRADUATE FACULTY:

Jean Ann Bowman, Ph.D., Texas A&M, 1992, Research Scientist — hydrology, hydroclimatology, water resources

Burak Güneralp, Ph.D., Illinois, Urbana-Champaign, Research Assistant Professor — urbanization and global environmental change, urban land-use change, interactions between socio-economic and biophysical systems, systems modeling, remote-sensing applications

James B. Kracht, Ph.D., Washington, 1971, Professor — geographic education, curriculum development, urban, United States

Jim Norwine, Ph.D., Indiana State, 1971, Regents Professor, Texas A&M University-Kingsville, Kingsville, TX — climate, philosophy of geography

Wendy W. Patzewitsch, Ph.D., Texas A&M University, 2007, Lecturer — historical geography, Texas water resources

Erik Prout, Ph.D., Louisiana State, 2001, Instructional Assistant Professor — cultural and political geography

Douglas J. Sherman, Ph.D., Toronto, 1983, Professor and Chair, University of Alabama — geomorphology, coastal and aeolian environments

John D. Vittek, Ph.D., University of Iowa, 1973, Department of Geology and Geophysics Professor — periglacial geomorphology, earth science education

Jayne Walenta, Ph.D., University of British Columbia, 2008, Visiting Assistant Professor — economic and environmental geography

TEXAS CHRISTIAN UNIVERSITY

DEPARTMENT OF HISTORY AND GEOGRAPHY

DATE FOUNDED: 2003

DEGREES OFFERED: B.A., B.S. in Geography

GRANTED 9/1/12-8/15/13: 5 Bachelors

MAJORS: 24 majors

CHAIR: Peter Worthing

DEPARTMENT ADMINISTRATIVE ASSTS: Dana Summers, Stacey Theisen

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Jeffrey B. Roet, Department of History and Geography, TCU Box 297260, Fort Worth, Texas 76129. Telephone (817) 257-6514. Fax (817) 257-5650. E-mail: J.Roet@tcu.edu

PROGRAMS AND RESEARCH FACILITIES: The Geography Program offers Bachelor of Arts and Bachelor of Science degrees that require a minimum of 124 hours. Students majoring in geography must complete 30 hours in geography, including World Regional Geography, Human Geography, and Physical Geography and may select additional courses from a menu of regional and topical courses. Texas Christian University offers Geography majors the opportunity to participate with faculty in their research in historical urban geography, Latin American geography, geomorphology, and water resources. Field trips are a component of most upper-division geography courses and summer study abroad programs are available. Geography faculty members are located in the Department of History and Geography and the Department of Environmental Science and students have the advantage of participating in the activities of both departments.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Texas Christian University operates on the semester system. Undergraduate applicants must satisfy the general admission requirements for the University. Detailed information concerning admission requirements and financial aid can be found on the University's web page www.tcu.edu.

FACULTY:

Sean M. Crotty, Ph.D., San Diego State University and University of California at Santa Barbara, 2012, Lecturer — economic, urban, North America

Jeffrey B. Roet, Ph.D., Northwestern, 1982, Lecturer — urban, cultural, historical, United States, Western Europe
Andrew Schoolmaster, Ph.D., Kent State 1979, Dean of AddRan College of Humanities and Social Sciences — applied
Michael Slattery, D.Phil., University of Oxford, 1994, Professor, Chair of Department of Environmental Science, Director of Institute for Environmental Studies — hydrology, climatology, geomorphology, soils
Benjamin F. Tillman, Ph.D., Louisiana State, 1999, Associate Professor — cultural, historical, Latin America
Kyle Walker, Ph.D., University of Minnesota, 2012, Assistant Professor — GIS, urban geography

TEXAS STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

GRADUATE PROGRAM FOUNDED: 1983

DEGREES OFFERED: B.A., B.S. in Geography; B.S. in Resource and Environmental Studies, Geographic Information Science, Physical Geography, Water Studies, Urban and Regional Planning; Certificates in GIS, Location Analysis, Environmental Interpretation and Water Resources Policy; Master of Applied Geography (M.A.G.); Master of Science in Geography (M.S.); Ph.D. in Geography with specializations in Environmental Geography, Geographic Information Science, and Geographic Education

GRANTED 9/1/12-8/31/13: 181 Bachelors, 29 Masters, 10 Ph.D.

STUDENTS IN RESIDENCE: 612 Majors, 64 Masters, 61 Ph.D.

CHAIR: Alberto Giordano; Associate Chair: Ronald Hagelman

PROGRAM COORDINATORS: Richard Earl, Undergraduate Program Coordinator; Stella LoPachin, Staff Undergraduate Secretary; David Butler, Graduate Program Coordinator; Allison Glass, Staff Graduate Advisor

DEPARTMENT ADMINISTRATIVE ASSTS: Angelika Wahl, Office Manager; Katie Alonzo, Patricia Hell-Jones

FOR CATALOG AND FURTHER INFORMATION: 1) about the Department: Angelika Wahl (al07@txstate.edu), 2) about Undergraduate programs: Undergraduate Director of Admissions, J. C. Kellam Building, Texas State University, San Marcos, Texas 78666; Richard Earl (re02@txstate.edu) Undergraduate Program Coordinator; or Stella LoPachin (sl15@txstate.edu), Staff Undergraduate Secretary; 3) about Graduate programs: David Butler (db25@txstate.edu), Graduate Program Coordinator, or Allison Glass (am13@txstate.edu), Staff Graduate Advisor. Telephone (512) 245-2170. Fax (512) 245-8353. Web site: www.geo.txstate.edu (for online catalogs and information on academic programs, faculty, facilities, research centers, schedules, student organizations).

PROGRAMS AND RESEARCH FACILITIES:

Undergraduate: General geography majors are available for both B.A. and B.S. degrees. Major concentrations within the B.S. degree program are also available in resource and environmental studies, urban and regional planning, geographic information science, water studies, and physical geography. A teacher certification option is also

available. Numerous scholarships and internship opportunities are likewise available.

Certificate Programs: The department has four certificate programs in GIS, Location Analysis, Environmental Interpretation, and Water Resources Policy, which enable students to gain in-depth knowledge and skills in these critical areas.

Graduate, M.A.G.: The Master of Applied Geography degree provides the geographic training and skills necessary to solve real-world problems. The 33-hour M.A.G. program includes a 9-hour required core and a major in: 1) general geography, 2) resource and environmental studies, 3) geographic information science, or 4) geographic education. Students complete a 3-hour directed research project. Internships are also available.

Graduate, M.S.: The Master of Science in geography program gives highly qualified students exposure to geographic theory and research at the pre-doctoral level. Programmatic emphases include environmental geography, geographic information science, geographic education, and other specialty areas in geography represented by the current research interests of the faculty. The 30-hour M.S. curriculum includes 9 hours of core courses, 15 hours of additional course work, and a 6-hour master's thesis.

Graduate, Ph.D.: The Ph.D. in Geography is offered with three concentrations: 1) environmental geography, 2) geographic information science, and 3) geographic education. The Ph.D. is a research-based degree that allows doctoral graduates to fill professional positions in universities, public agencies, and private enterprises. The Ph.D. degree requires a minimum of 31 hours of course work, including 9 hours of core courses beyond the master's degree, plus a minimum of 15 hours of dissertation research and writing.

Research Facilities: The department is actively involved with numerous research programs and has three internal research centers: The Gilbert M. Grosvenor Center for Geographic Education (Director Richard Boehm, rb03@txstate.edu), the Texas Center for Geographic Information Science (Director Ben Zhan, fz01@txstate.edu), and the James and Marilyn Lovell Center for Environmental Geography and Hazards Research. The University is a member of the University Consortium for Geographic Information Science (UCGIS).

The department has more than 450 PCs linked via servers that support six teaching labs and seven research labs through an extensive library of software applications. For more information about the department's computing infrastructure, visit our Web site at www.geo.txstate.edu.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Semester system. Department tours are available during semesters. The University participates in a variety of federal, state, and local financial aid programs. Application may be obtained through high school counselors or the Office of Financial Aid, Texas State University (Web site: <http://www.txstate.edu>).

Graduate, M.A.G.: Semester system. Applicants must submit official transcripts indicating a 3.2 GPA or higher in their last 60 hours of undergraduate course work, two letters of recommendation, and a statement of purpose outlining academic interests. All international students must submit an internet based (iBT) TOEFL score with at least a total minimum score of 78. The TOEFL is required of international Geography applicants who are non-native speakers of English.

All applicants must submit official GRE scores. Applications must arrive at the Graduate School no later than May 1 for fall admission and October 15 for spring admission. Assistantships for Master's degree students are awarded on a competitive basis and currently pay a minimum of \$13,097 per nine-month academic year and include a waiver of out-of-state tuition. For full consideration for assistantships, applications should be received by February 1. Occasionally,

assistantship funds may still be awarded after this date. Master students can retain assistantships for up to two years from initial entry into the program.

Graduate, MS.: Same as M.A.G., except applicants must have a 3.4 GPA or higher in their last 60 hours of undergraduate course work. For assistantship information, see M.A.G. above.

Graduate, Ph.D.: Semester system. Applicants must have a 3.5 GPA on a 4.0 scale in their master's course work in geography or a closely related field, and submit three letters of recommendation, a statement of purpose, and arrange submission of official GRE scores. All international students must submit an internet based (iBT) TOEFL score with at least a total minimum score of 78. The TOEFL is required of international Geography applicants who are non-native speakers of English. No conditional admissions are accepted.

All application materials must be submitted to the Graduate School by May 1; for international students, by April 15. Ph.D. graduate assistantships are awarded on a competitive basis and currently pay a minimum of \$26,000 for nine months and include waiver of out-of-state tuition. For full consideration for assistantships, applications should be received by February 1. Occasionally, assistantship funds may still be awarded after this date. Ph.D. students can retain Ph.D. assistantships for up to four years from initial entry into the program.

FACULTY:

- R. Denise Blanchard, Ph.D., Colorado at Boulder, 1992, Professor* — natural and environmental hazards, economic, environmental studies, historical, research methods
- Sarah Blue, Ph.D. UCLA, 2004, Assistant Professor* — Latin America, population, migration
- Richard G. Boehm, Ph.D., Texas at Austin, 1975, Professor and Jesse H. Jones Distinguished Chair of Geographic Education* — geographic education, economic, applied
- Brock J. Brown, Ph.D., Oklahoma, 1992, Associate Professor* — geographic education, cultural ecology, historical southwest, urban
- David R. Butler, Ph.D., Kansas, 1982, Texas State University Regents' Professor* — geomorphology, natural hazards, mountain environments and environmental change, biogeography
- Mark L. Carter, M.A.G., Texas State, 1994, Senior Lecturer* — land use analysis, quantitative methods, energy
- Edwin Chow, Ph.D., South Carolina, 2005, Associate Professor* — GIScience, internet GIS, GIS based-modeling, scale, uncertainty and accuracy assessment, Lidar
- Brian Cooper, Ph.D., Texas State, 2012, Senior Lecturer* — world, U.S. and Canada, political
- Nathan Currit, Ph.D., Pennsylvania State, 2003, Associate Professor* — remote sensing and land cover change, GIScience, uncertainty and change in human — environment systems
- Rene DeHon, Ph.D., Texas Tech, 1970, Senior Lecturer* — geology, mineralogy, petrology, planetary geology
- Richard W. Dixon, Ph.D., Texas A&M, 1996, Professor* — climatology, meteorology, oceanography, hazards, quantitative methods, environmental
- Richard A. Earl, Ph.D., Arizona State, 1983, Professor* — water resources, environmental change and management, field methods, physical
- Lawrence E. Estaville, Ph.D., Oklahoma, 1984, Professor* — ethnic, business, geographic education
- Sven Fuhrmann, Ph.D., Westfälische Wilhelms-Universität Muenster, Germany, 2002, Associate Professor* — GIScience, spatial cognition and behavior, cartography, geo-visualization, human-centered design
- Alberto Giordano, Ph.D., Syracuse, 1999, Professor and Chair* — cartography, historical GIS, Holocaust and genocide, spatial applications of forensic anthropology
- Ronald Hagelman, III, Ph.D., Texas State, 2001, Associate Professor* — environmental, hazards and disaster, historical, land management and conservation, urban environment/agriculture

Colleen Hiner, Ph.D., California at Davis, 2012, Assistant Professor — environmental management, cultural ecology, urban-rural fringe

Donald A. Huebner, Ph.D., Texas at Austin, 2002, Senior Lecturer — Texas, environmental management, field methods, quantitative methods

Jennifer Jensen, Ph.D., Idaho, 2009, Assistant Professor — Lidar, remote sensing of vegetation structure, multi-sensor data synthesis, land use/land cover change, remote sensing/GIS integration

Injeong Jo, Ph.D., Texas A&M, 2011, Assistant Professor — geography and spatial thinking education, geospatial technologies for education, assessment in geography

Jason Julian, Ph.D., North Carolina, 2007, Associate Professor — water resources, eco-hydrology, fluvial geomorphology

Robert D. Larsen, Ph.D., Wisconsin at Madison, 1976, Professor — urban and regional planning, land use planning and environmental policy, solid waste management, transportation

Yongmei Lu, Ph.D., SUNY at Buffalo, 2001, Professor — GIScience, urban and regional studies, crime, health, China and East Asia

Susan M. Macey, Ph.D., Illinois, 1982, Professor — environmental hazards, aging, medical, GIScience

Kimberly Meitzen, Ph.D., South Carolina, 2011, Assistant Professor — fluvial processes, geomorphology, river basin management, biogeography

Oswaldo Muniz, Ph.D., Tennessee, 1991, Professor — geographic education, Latin America, online learning methods, new technologies for global collaboration, international flows, TNCs and FDI

James F. Petersen, Ph.D., Utah, 1981, Professor — physical, geomorphology, geographic education

Andrew Sansom, Ph.D., Texas State, 2013, Professor of Practice — water resources, parks and protected places, conservation leadership

Michael Solem, Ph.D., Colorado at Boulder, 1999, Research Professor — geographic education

Philip W. Suckling, Ph.D., British Columbia, 1977, Professor — climatology, natural hazards

John P. Tiefenbacher, Ph.D., Rutgers, 1992, Professor — hazards, human dimensions of wildlife, environmental problems, Mexico borderlands, States of the Former Soviet Union, air quality

Rusty Weaver, Ph.D., University at Buffalo, 2012, Assistant Professor — urban change and decline, GIScience, spatial analysis

Yihong Yuan, Ph.D., California at Santa Barbara, 2013, Assistant Professor — GIScience, spatio-temporal data mining, human mobility modeling and travel behavior

F. Benjamin Zhan, Ph.D., SUNY at Buffalo, 1994, Professor — GIScience, health and the environment, transportation and network science

ADJUNCT FACULTY:

- Barbara Grahmann, M.S., Texas State, 2010, Lecturer* — geology
- Russell S. Johnson, J.D., St. Mary's, 1977, Lecturer* — water policy and law
- Neil Kucera, J.D., Houston, 1986; M.A.G., Texas State, 2001, Lecturer* — environmental law
- Jo Beth Oestreich, Ph.D., Texas at Austin, 2002, Lecturer* — geographic education
- John Wagner, M.S., Texas Tech, 2001, Lecturer* — geology

EMERITUS FACULTY:

- Byron Augustin, D.A., Northern Colorado, 1975, Distinguished Professor* — conservation, Latin America, geographic education, Middle East
- Frederick A. Day, Ph.D., Ohio State, 1982, Professor* — population, economic development, East and Southeast Asia
- J. Ronald Eytan, Ph.D., Illinois, 1974, Professor* — remote sensing, computer cartography, quantitative methods
- Allen D. Hellman, Ph.D., Michigan, 1962, Professor* — remote sensing, cartography, North America

James R. Kimmel, Ph.D., Texas at Austin, 1992, Professor — nature and heritage tourism, Southwestern geography, river studies
David Stea, Ph.D., Stanford, 1964, Professor — spatial cognition, environmental perception, sustainable development

TECHNICAL STAFF:

Daniel D. Hemenway, M.S., Alberta, 1995, Senior Computer Systems Analyst

Charles Robinson, B.B.A., Texas State, 1995, Computer Systems Analyst

TEXAS TECH UNIVERSITY

GEOGRAPHY PROGRAM, DEPARTMENT OF GEOSCIENCES

DATE FOUNDED: 1971

GRADUATE PROGRAM FOUNDED: 2011

DEGREES OFFERED: BA (Geography), MS (Geography), PhD (Geosciences)

GRANTED: 8/1/10-8/1/11: 12 Bachelors

STUDENTS IN RESIDENCE: 48 Geography, 7 Masters

CHAIR: Jeffrey Lee

DEPARTMENT ADMINISTRATIVE ASST: Alisan Sweet, Alison Winton

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Jeffrey Lee, Department of Geosciences, MS 1053, Texas Tech University, Lubbock, TX 79409-1053. Telephone (806) 742-3102. Fax (806) 742-0100. Email: jeff.lee@ttu.edu. Web Page: <http://www.geosciences.ttu.edu/>.

PROGRAMS AND RESEARCH FACILITIES:

The Geography Program offers a Bachelor of Arts degree that requires a minimum of 125 hours. Students majoring in geography must complete 31 hours in geography, including at least one course in each of the following areas: human geography, physical geography, regional geography, and geographic techniques; two writing-intensive seminars are also required. This broad freedom of choice allows students to tailor their program to meet their specific interests. At the graduate level, the Geography Program offers a new MS degree and participates in the Geosciences PhD (adaptable to both human and physical geography).

The department has two GIS teaching labs (18 and 16 seat), one physical geography lab, and one remote sensing lab. The University maintains an ESRI site license that provides students with access to the latest GIS software. The department also maintains field and laboratory equipment that are available for both undergraduate and graduate student research in physical geography and environmental studies. In addition to standard weather, surveying and sediment analysis equipment, students have access to GPS receivers and data loggers.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University operates on a semester system. Undergraduate and graduate applicants must satisfy the general admissions requirements for the University. Detailed information concerning admission requirements and financial aid can be found on the University's web page www.ttu.edu.

FACULTY:

Lucia S. Barbato, M.A., UCLA, 1988, Associate Director, Center for Geospatial Technology—geographic information systems

Guofeng Cao, Ph.D, UCSB, 2011, Assistant Professor—geographic information science, geostatistics, spatial analysis and high performance spatial computing

Perry L. Carter, Ph.D., Ohio State, 1998, Associate Professor—cultural, social, economic, geographies of consumption, geographies of race, methodology

Gary S. Elbow, Ph.D., Pittsburgh, 1972, Professor and Associate Vice Provost for Academic Affairs—cultural, settlements and land utilization, development planning, Latin America, geography education

Linda L. Jones, M.A., UCLA, 1986, Instructor and Lab Director—physical geography, human geography, geography & technology, geography education

Jeffrey A. Lee, Ph.D., Arizona State, 1990, Professor—physical geography, geomorphology, aeolian processes, science education

Kevin R. Mulligan, Ph.D., Texas A&M, 1997, Associate Professor and Director, Center for Geospatial Technology—GIS, remote sensing, physical geography, arid environments, aeolian processes.

M. Duane Nellis, Ph.D., Oregon State, 1980, Professor and University President—natural resources, land use, remote sensing, and GIS
Santosh Seshadri, M.A., Texas Tech University, 2009, Instructor—GIS, GPS, Internet Mapping

Cynthia L. Sorrensen, Ph.D., Ohio State, 1998, Assistant Professor—development, political geography, political ecology, human dimensions of global environmental change, natural hazards, Latin America

Otis W. Templer, Ph.D., UCLA, 1969, Professor—arid lands, environmental studies, water resources law, policy and management, biogeography, United States and Canada, Texas and the Southwest

UNIVERSITY OF NORTH TEXAS

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1920

GRADUATE PROGRAM FOUNDED: 1995

DEGREES OFFERED: B.A., B.S. in Geography; M.S. in Applied Geography; Ph.D. in Environmental Science
GRANTED 9/1/12-8/31/13: 42 Bachelors, 14 Masters (Geography)

STUDENTS IN RESIDENCE: 126 Bachelors, 27 Masters (Geography)

CHAIR: Paul F. Hudak

DEPARTMENT ADMINISTRATIVE ASSISTANT: Tami Deaton

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, University of North Texas, 1155 Union Circle #305279, Denton, Texas 76203-5017. Telephone: (940) 565-2091. Fax: (940) 369-7550. E-mail: geog@unt.edu. Internet: www.geography.unt.edu.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: Our bachelor's program emphasizes the acquisition of basic research skills, geographic concepts, and techniques, and their applications, preparing students for employment in diverse areas of high demand in the job market, or advanced study. Students select courses from physical and human geography, as well as geospatial technology, customizing degree plans to areas of interest. For example, recent students have emphasized environmental management; water, food, and energy resources; urban and economic geography; globalization and development; medical geography and public health; and environmental archaeology. Both undergraduate and graduate students also have access to internships; the department has collaborated with more than 50 government agencies and companies in the Dallas-Fort Worth metropolitan area.

GRADUATE: Our graduate curriculum emphasizes research and communications skills, preparing students to meet the challenges of an increasingly globalized and connected world through engagement with theory and practice. In consultation with their advisor, students create degree plans involving coursework and independent research. Degree plans reflect student interests and faculty expertise in four core concept areas—earth science and modeling, human systems and the environment, environmental archaeology, and globalization and development—as well as geospatial technology. For example, recent students have studied health geography, environmental archaeology, GIS and remote sensing, coastal geomorphology, business geography, water resources, ecosystems geography, and cultural ecology.

CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (GIS): The department offers a six-course certificate providing the conceptual understanding and technical proficiency necessary to apply GIS in various settings.

RESEARCH, FACILITIES, AND EQUIPMENT: Funded by many agencies, faculty research is often interdisciplinary, involving fieldwork in the U.S. and numerous other countries. Presently, the department is very active in Latin America, China, South and Southeast Asia, the United States and Canada, West Africa, and Transcaucasia. The department is located in a well-equipped, modern building with an open atmosphere conducive to faculty, staff, and student interaction. Extensive, well-equipped classrooms and laboratories support teaching and research in various aspects of geography and archaeology. We have ample office space for graduate students, as well as informal gathering areas and formal meeting rooms.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The department conducts a holistic review of applicants for evidence of potential success in the graduate program (www.geography.unt.edu). Master's teaching and research assistantships carry competitive monthly stipends, benefits, and an out-of-state tuition waiver. In-state tuition awards for teaching and research assistants are also available on a competitive basis. Applications submitted by January 31 are assured consideration for all available funding opportunities.

FACULTY:

Waqar Ahmed, Ph.D., Clark University, 2007, Assistant Professor — socio-economic impacts and manifestations of capitalism; global governance institutions; corporate power and foreign direct investments; energy resources and infrastructure

Ipsita Chatterjee, Ph.D., Clark University, 2007, Assistant Professor — economic, cultural, and geopolitical impacts of globalization; urban transformation and renewal

Pinliang Dong, Ph.D., University of New Brunswick, 2003, Associate Professor — geographic information science; remote sensing

C. Reid Ferring, Ph.D., University of Texas, Dallas, 1993; Ph.D., Southern Methodist University, 1980, Professor — geoarchaeology; soils geomorphology; fluvial processes; paleoenvironments

Matthew Fry, Ph.D., University of Texas, Austin, 2008, Assistant Professor — human-environment geography; Latin America; rural-urban relationships; cultural and political ecology

Paul F. Hudak, Ph.D., University of California, Santa Barbara, 1991, Professor and Chair — environmental monitoring and remediation; geologic hazards; water resources

Kent McGregor, Ph.D., University of Kansas, 1982, Associate Professor — meteorology; climatology; water resources; remote sensing

Lisa Nagaoka, Ph.D., University of Washington, 1999, Associate Professor — zooarchaeology; evolutionary ecology; conservation; biogeography

Joseph R. Oppong, Ph.D., University of Alberta, Edmonton, 1992, Professor — cultural geography; medical geography; location-allocation models; quantitative methods

Feifei Pan, Ph.D., Georgia Institute of Technology, 2002, Assistant Professor — hydrology; water resources; modeling

Alexandra G. Ponette-Gonzalez, Ph.D., Yale University, 2009, Assistant Professor — global environmental change; terrestrial ecosystems; biogeochemistry; environmental services

Murray D. Rice, Ph.D., University of Saskatchewan, 1995, Associate Professor — applied economic geography; retail geography; urban and regional economic development

Chetan Tiwari, Ph.D., University of Iowa, 2008, Assistant Professor — medical geography; GIS programming; computational geography

Harry F.L. Williams, Ph.D., Simon Fraser University, 1989, Professor — geomorphology; paleotempestology; hurricane impacts

Steven J. Wolverton, Ph.D., University of North Texas, 2007; Ph.D., University of Missouri, 2000, Associate Professor — paleozoology; conservation ecology; zooarchaeology; environmental archaeology

ADJUNCT FACULTY:

Johnny Byers, M.S., University of North Texas, 2008 — earth science; environmental archaeology

Bruce Hunter, Ph.D., University of North Texas, 2005 — geographic information systems; fire ecology

Lorna Curran, M.S., University of North Texas, 2013 — earth science; physical geology

UNIVERSITY OF TEXAS AT AUSTIN

DEPARTMENT OF GEOGRAPHY AND THE ENVIRONMENT

DATE FOUNDED: 1949

GRADUATE PROGRAM FOUNDED: 1950

DEGREES OFFERED: B.A., M.A., Ph.D.

GRANTED: 09/01/12-08/31/13: 109 Bachelors, 7 Masters, 4 Ph.D.

STUDENTS: 382 Majors, 13 Masters, 25 Ph.D.

CHAIR: Sheryl Luzzadder-Beach

DEPARTMENT GRADUATE COORDINATOR: James Gunter

FOR FURTHER INFORMATION WRITE TO: Department of Geography and the Environment, The University of Texas at Austin, Austin, Texas 78712-1098 Telephone (512) 232-1595 Fax (512) 471-5049 E-mail: teal@austin.utexas.edu Internet: <http://www.utexas.edu/cola/depts/geography/>

PROGRAMS AND RESEARCH FACILITIES:

The Department offers the B.A. in Geography with several areas of concentration, including Environmental Resource Management, Cultural Geography, GISc, Landscape Ecology and Biogeography, Earth Science, and Urban Geography. It also offers a B.A. in Urban Studies, a B.S. in Environmental Science, the M.A. and Ph.D. in Geography, and a joint Ph.D. in Geography and M.S. in Community and Regional Planning.

Graduate students work closely with their supervising professors to develop individualized, original research projects. Faculty and graduate students have contributed in many ways to understanding and managing earth's diverse cultural and physical environments, ranging from local to global scales across the full range of human history. Current areas of faculty research include Space, Place, and Social Worlds; Environmental Changes and Surface Processes; and Digital Landscapes. The faculty has always had a strong international orientation and is especially well prepared to guide students in research in Latin America, South Asia, Africa, the Middle East, and

Europe, as well as field research in the Southwestern and Western regions of the United States. Field work and archival investigation are important parts of student research, and many pursue training in languages and field methods. Computer and laboratory techniques serve the needs of both scientific and humanistic research and teaching; such tools include Geographic Information Science and the laboratory analysis of soils, sediments, and archaeological materials.

The professional development of students involves education in the discipline's heritage and philosophy as well as current issues and theories. Interdisciplinary expertise is developed through course work and involvement in campus-wide as well as Departmental symposia and colloquia. Students are encouraged to attend and present papers at regional and national professional meetings, and to develop skills in leadership, service, and teaching. Most Ph.D. recipients pursue careers in higher education; others obtain advanced professional positions in government agencies, non-governmental organizations, and the private sector. Most Master's recipients are encouraged to pursue the Ph.D.; the rest are employed in a variety of governmental, non-governmental organization, and private sector positions, or in secondary education.

Research facilities: The University library of over eight million volumes is one of the largest in the United States, and is noted for its collections and rare materials on Latin America and the American West and South. The Ransom Center is one of the world's premier cultural archives, and houses thirty million literary manuscripts, five million photographs (including the world's first photograph), and numerous rare maps and atlases. Courses, symposia, and research support are available through nationally prominent area studies centers for Latin America, the Middle East, Russia, East Europe, and Eurasia, and South Asia. Further resources are available through the Population Research Center, the Environmental Science Institute, the Center for Space Research, and the Bureau of Economic Geology.

The Department houses the University's Center for Geographic Information Science and deploys ESRI, ERDAS, and IDRISI software packages. Facilities for GISc include an Environmental Information Systems Laboratory, a Digital Landscape Laboratory for research, an Environmental Change Laboratory, and a Spatial Sciences Laboratory.

The Department has a new Soils and Geoarchaeology Research Laboratory for the study of soils, sediments, and pollen samples, and a new Water Quality and Hydrology Research Laboratory, complementing existing Fluvial Geomorphology Research Laboratories. The Department also has a research partnership with the Hornsby Bend Center for Environmental Research, located in an urban floodplain wetland.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: The University has two regular semesters, and two summer sessions. Students in geography take courses assuring breadth of knowledge in physical geography, human geography, and geographic methods. Students also specialize in an area of concentration. Numerous honors programs such as Liberal Arts Honors, Junior Fellows, Gamma Theta Upsilon, and Phi Beta Kappa are available to geography majors. The University encourages international study.

Graduate: All entering students participate in a common two semester seminar sequence, which provide an introduction to the department, disciplinary research, and international research. A master's student takes at least two organized courses from different faculty during the first year of study, and demonstrates mastery of a foreign language or method prior to receiving the degree. Master's theses usually involve fieldwork, often in foreign countries. A report option is also available for special situations.

A doctoral student crafts a personal program of work with help from a faculty supervisor and dissertation committee, selected by the end of the second semester. Doctoral students take at least three organized

courses from different departmental faculty. Mastery of an appropriate method and foreign language, proficiency in two areas of specialization in geography, and passing qualifying examinations admits the student to candidacy. Research and writing of the dissertation culminates in an oral defense.

Graduate Admission Requirements: Students in all disciplines and backgrounds, whose goals are related to faculty interests, are encouraged to apply; a background in geography is not required. Admission is very selective, and is based on careful analysis of the entire application dossier. Personal essay, letters of recommendation, and suitability of previous training and experience for the proposed topic of graduate study are very important. GRE scores and grade point averages are examined, but no single factor guarantees or precludes admission. A personal visit and interview with prospective supervisor is recommended but not required; all applicants should contact relevant faculty members to discuss their goals before applying. All application materials must be submitted by 1 January.

Graduate Financial Aid: The department offers multiple Teaching and Research Assistantships and Fellowships each academic year. Most fellowships and assistantships include rebates to help pay for tuition, and some include extra stipends for travel. The Department also offers several summer teaching assistantships, and several research assistantships. The Department and Graduate School offer travel grants for research and attendance at professional meetings. Many students receive funding through University institutes or area studies programs, and from external sources.

FACULTY:

- Paul C. Adams, Ph.D., Wisconsin, 1993, Associate Professor* — Place Images in the Media; Technologically-Mediated Gathering; Topologies of Communication; Geopolitical Discourses; Formation of Subjectivity
- Eugenio Arima, Ph.D., Michigan State University, 2005, Assistant Professor* — Human-Environment Relations; GIS/Science; Applied Quantitative methods; Latin America
- Timothy P. Beach, Ph.D., University of Minnesota-Minneapolis, 1989, Professor and C. B. Smith, Sr. Centennial Chair in United States-Mexico Relations #2* — Soil and Agricultural Systems; Geomorphology; Water; Environmental Change; Paleoclimates, and Geoarchaeology
- Karl W. Butzer, D.Sc., Bonn, 1957, Raymond C. Dickson Centennial Professor of Liberal Arts* — Cultural Ecology; Applied Geomorphology; Environmental History; Colonial Mexico; Spain; Near East; Australia
- Kelley A. Crews, Ph.D., North Carolina, 2000, Associate Professor* — Land Use Ecology and Management; GIS & Remote Sensing; Environmental Policy Analysis; Population-Environment Interactions; Global Tropics
- William E. Doolittle, Ph.D., Oklahoma, 1979, Erich W. Zimmermann Regents Professor* — Landscapes; Indigenous Agriculture; Arid Lands; American Southwest, Mexico
- Caroline Faria, Ph.D., University of Washington 2009, Assistant Professor* — Feminist Geography; Political Geography; Critical Geographies of Gender, Sexuality and Race; Transnational Feminist Theory; Critical Development Geographies; Postcolonial Geography; Cultural Geography; African Studies.
- Gregory W. Knapp, Ph.D., Wisconsin, 1984, Associate Professor* — Cultural and Political Ecology; Historical Geography; Latin America
- Edgardo Latrubesse, Ph.D., National University of San Luis, Argentina, 1992, Professor* — Fluvial Geomorphology; Latin America; Mega-Geomorphology; Paleogeography; River Management

Sheryl Luzzadder-Beach, Ph.D., University of Minnesota-Minneapolis, 1990, Professor — Chair of the Department of Geography and the Environment, and Fellow of the C. B. Smith, Sr. Centennial Chair in United States-Mexico Relations #2-Water Resources; Geoarchaeology; Spatial Analysis; Geomorphology; Paleoenvironments; Gender; Science and Human Rights.

Jennifer A. Miller, Ph.D., San Diego State-UC Santa Barbara joint program, 2003, Associate Professor — GIScience; Integration of GIS and Remote Sensing; Environmental/Ecological Modeling

Francisco L. Pérez, Ph.D., UC-Berkeley, 1985, Professor — Mountain Geocology; Geomorphology; Vegetation Ecology; Soils

Carlos E. Ramos Scharrón, Ph.D., Colorado State University, 2004, Assistant Professor — Hydro-Geomorphology; Terrestrial Carbon and Sediment Budgets; Watershed Analyses; Land Use Change

Rebecca Torres, Ph.D., UC-Davis, 2000, Associate Professor — Rural and Community Development; Transnationalism and Migration; Latino Communities in the U.S., Mexico and Latin America

Kenneth R. Young, Ph.D., Colorado, 1990, Professor — Biogeography; Landscape Ecology; Climate Change; Sustainability; Tropical Environments

Leo E. Zonn, Ph.D., Wisconsin-Milwaukee, 1975, Professor — Representation and Media, Especially Cinema; Geographies of Popular Culture

RELATED FACULTY AND RESEARCHERS ON CAMPUS:

Erick Akins, M.A., Trinity, 1988, Lecturer — Non-Profit Management; Grant Research, Development and Writing; Grant Management; Policy Development and Community Development

Samia Aquino da Silva, Ph.D., Universidade Estadual de Maringá, Brasil, Lecturer

Elisabeth K. Butzer, M.A., Chicago, 1977, Research Fellow (Geography and Latin American Studies) — Northern New Spain; Land Use; Climatic Extremes; Epidemics

David J. Eaton, Ph.D., Johns Hopkins, 1977, Bess Harris Jones Centennial Professor of Natural Resource Policy Studies (Public Affairs, Middle Eastern Studies, and Geography) — Regional and International Environmental Resource Management; Quantitative Methods

Jules R. Elkins, Ph.D., University of California at Berkeley, 2008, Lecturer — International Development; Health; Environmental Health; Environmental Economics

Charles D. Frederick, Ph.D., Texas, 1995, Research Fellow — Geoarchaeology

David W. Guillet, Ph.D., Texas, 1974, Research Fellow — Cultural Ecology; Irrigation; Historical Ecology; Spain; Andes; Himalayas; Natural Resource Management; Political Ecology

Rich Heyman, Ph.D., Washington, 2004, Lecturer — Cultural Geography; Urban Geography; Critical Theory and Marxism; History of Geography; Pedagogy; Public Space

Steven D. Hoelscher, Ph.D., Wisconsin, 1995, Associate Professor (American Studies and Geography) Affiliated Faculty — Historical Geography; Tourism; Ethnicity; Historic Landscapes; North America

Donald J. Huebner, Ph.D., Texas, Austin, 2002, Lecturer — American Southwest; Desert and Mountain Environments; Coastal Environments; Surveying; GIS

Bella Bychkova Jordan, Ph.D., Texas, Austin, 2002, Lecturer — Cultural Geography and Ethnogenesis; Religion; Russia; Circumpolar North

Troy M. Kimmel Jr., B.S., Texas A&M University, 1983, Senior Lecturer — Broadcast Meteorology; Severe/Inclement Weather Forecasting; Aviation Meteorology

Blanca León, Ph.D. Aarhus U., Denmark, 1993, Research Fellow — Plant geography; Botany; Conservation

Thoralf Meyer, MSc, Anhalt University of Applied Sciences, Germany, 1999, Ph.D. Candidate, University of Virginia, Lecturer — Land Use Ecology and Land Management; Environmental Science; GIScience; African Savanna Ecosystems

Mark Simmons, Ph.D., Texas A&M University, 2003, Lecturer, Restoration Ecologist at the Lady Bird Johnson Wildflower Center — Landscape Ecology

Bjorn Sletto, Ph.D., Cornell University, Assistant Professor at The University of Texas at Austin School of Architecture, Affiliated Faculty — Geographic Information Systems; Latin American Planning and Development; Participatory Planning; Environmental and Social Justice, Social Theory

Frederick Steiner, PhD Pennsylvania, 1986, Professor (Architecture and Geography) and Dean, School of Architecture, Affiliated Faculty — Environmental Impact Assessment; Landscape Analysis and Landscape Architecture Theory

Peter M. Ward, Ph.D., Liverpool, 1976, Professor (Public Affairs, Sociology, and Geography) Affiliated Faculty — Mexican Politics and Urban Administration; Housing and Land Development in Third World Countries; Local Leadership

EMERITI:

Alfred W. Crosby, Jr., Ph.D., Boston, 1961 Professor Emeritus of Geography, History, and American Studies

Robin W. Doughty, Ph.D., UC-Berkeley, 1971, Professor Emeritus of Geography

Robert K. Holz, Ph.D., Michigan State, 1963, Erich W. Zimmermann Regents Professor Emeritus of Geography

David L. Huff, Ph.D., Washington, 1960, Century Club Centennial Professor Emeritus of Marketing and Geography

Ian R. Manners, D.Phil., Oxford, 1969, Professor Emeritus of Geography (Middle Eastern Studies and Center for Middle Eastern Studies)

UNIVERSITY OF TEXAS AT DALLAS

PROGRAM IN GEOSPATIAL INFORMATION SCIENCES

DATE FOUNDED: 1998

DEGREES OFFERED: B.S (Geospatial Information Sciences), M.S. (Geospatial Information Sciences), Ph.D. (Geospatial Information Sciences), Graduate Certificates (Geographic Information Systems, Remote Sensing, Geospatial Intelligence)

HEAD: Fang Qiu

DEPARTMENT ADMINISTRATIVE ASST: Ms. Rita Medford

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Ms. Rita Medford, Program in Geospatial Information Sciences, School of Economic, Political and Policy Sciences, University of Texas at Dallas, 800 W. Campbell Rd, Richardson Texas 75080. Telephone (972) 883-4932. FAX (972) 883-6436. General university information is available at <http://www.utdallas.edu>. Extensive information on the Geospatial Information Sciences Program is available at <http://www.utdallas.edu/epps/geospatial-science>. The On-line application is available at <http://www.applytexas.org>

PROGRAMS AND RESEARCH FACILITIES: The University of Texas at Dallas (UT Dallas) offers a unique interdisciplinary environment focused on geospatial information sciences, with graduate programs open to students with bachelor's or master's degrees in any relevant discipline. The degree programs are coordinated through the Geospatial Information Sciences Program Office which, for administrative purposes, is housed within the School

of Economic, Political and Policy Sciences. An undergraduate degree in geospatial information sciences, with specializations either in geocomputing and geovisualization, or geography, is offered by the School of Economic, Political and Policy Sciences. A 36 semester-credit-hour M.S. degree in Geospatial Information Sciences (GIS) is offered jointly between the School of Economic, Political and Policy Sciences and the Department of Geosciences in the School of Natural Sciences and Mathematics. A 75 semester-credit-hour Ph.D. in Geospatial Information Sciences is offered jointly among the School of Economic, Political and Policy Sciences, the Department of Geosciences, and the Department of Computer Science in the Eric Jonsson School of Engineering and Computer Science, with specializations in geospatial computing and information management, spatial statistics and modeling, and remote sensing and satellite technologies. Additionally, 15 semester-credit-hour graduate certificates in Geographic Information Systems (GIS), in Geospatial Intelligence (GEOINT), and in Remote Sensing can be taken as single-year, part-time courses of study. The Graduate Certificate in GIS is integral to the master's degree in GIS and can also be incorporated in the Master of Public Affairs, in the Master of Applied Economics, or in the Master of Science in Geosciences. Another option available is the Ph.D. degree in Public Policy and Political Economy (PPPE), an interdisciplinary research degree in policy analysis emphasizing rigorous training in methods of economic, social and political research, including GIS. The PPPE Development Studies option is particularly suited to students with a geographical background or interest who are seeking an interdisciplinary, policy oriented program of study.

State-of-the-art GIS facilities are available for teaching and research through three computer labs and one high performance computing lab, with a total of 116 PC computers and servers and various GIS/Remote Sensing/Statistics software (ArcGIS, IDRISI, MAPINFO, Maptitude, ERDAS, ENVI, Lingo, SAS, SPSS, MATLAB, Mathematica and R).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: UTD admits freshman, sophomore and upper division transfer students at the undergraduate level. For details on admission requirements, go to the university's web site at <http://www.utdallas.edu>. Graduate admission to the Geospatial Information Sciences Program requires a degree from an accredited institution and the submission of GRE scores, but no specific undergraduate major is required. For further information, contact the Program Head for Geospatial Information Sciences, School of Economic, Political and Policy Sciences, at the address given above, or visit the web site at <http://www.utdallas.edu/epps/geospatial-science>. Scholarships are available at the undergraduate level, including the prestigious McDermott Scholars Program, and teaching and research assistantships at the graduate level, as well as the Pioneer Scholarships for Fast-Track, Graduate, and Transfer Students provided by the Pioneer Natural Resources Corporation.

FACULTY:

Carlos Aiken, Ph.D., Arizona, 1976, Professor, Geosciences — GPS, gravity studies
Brian J.L. Berry, Ph.D., University of Washington, 1958, Lloyd Viel Berkner Regental Professor — Urban and regional development, spatial analysis, long-term macroeconomic/political relationships
Bryan Chastain, Ph.D., University of Texas at Dallas, 2011, Senior Lecturer of GIS
Yongwan Chun, Ph.D., The Ohio State University, 2007, Assistant Professor of GIS — Geographic information systems, spatial analysis and modeling, spatial statistics
Anthony Ravindra Cummings, Ph.D., Syracuse University, 2013, Visiting Assistant Professor — Human-environment interactions, global environmental change, application of GIS and remote sensing to natural resource management

Denis J. Dean, Ph.D., Virginia Polytechnic Institute and State University, 1991, Professor — Artificial intelligence for geospatial investigation, spatial optimization, spatial analysis and modeling

Daniel A. Griffith, Ph.D., University of Toronto, 1978, Ashbel Smith Professor — Spatial statistics; quantitative urban, economic, and agricultural geography

Dohyeong Kim, Ph.D., University of North Carolina at Chapel Hill, 2007, Associate Professor — Interdisciplinary public policy and planning aspects with emphasis on health and environmental policy analysis

David John Lary, Ph.D., University of Cambridge, 1991, Professor — remote sensing and machine learning, societal applications, autonomy and robotic helicopters

Fang Qiu, Ph.D., University of South Carolina, 2000, Professor — Digital image processing, hyperspectral, high spatial resolution and LiDAR remote sensing, spatial analysis and modeling, geocomputation

Michael R. Tiefelsdorf, Ph.D., Wilfrid Laurier University in Waterloo, 1998, Associate Professor — Local and global spatial analysis, statistics, simulation, and modeling; epidemiological and demographic spatial analysis

Irina Vakulenko, Ph.D., Moscow State Pedagogical University, Senior Lecturer — Geography

EMERITUS FACULTY:

Ronald Briggs, Ph.D., The Ohio State University, 1972, Professor Emeritus — Geographic information systems

UNIVERSITY OF TEXAS AT SAN ANTONIO

DEPARTMENT OF POLITICAL SCIENCE AND GEOGRAPHY

DATE FOUNDED: 1977

DEGREES OFFERED: B.A., M.A. in Geography

GRANTED: 9/1/13-5/31/14: 20 B.A., 0 M.A. (program implemented fall 2014)

STUDENTS: 60 majors; 15 minors; 5 Masters

CHAIR: Mansour El-Kikhia

GEOGRAPHY PROGRAM COORDINATOR: Richard Jones

GRADUATE PROGRAM COORDINATORS: Andrea Aleman, John Morris

DEPARTMENT ADMINISTRATOR: Martha Luna

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Department of Political Science and Geography, The University of Texas at San Antonio, One UTSA Circle, San Antonio, Texas 78249. Telephone (210) 458-5600. Fax (210) 458-4629. Email: richard.jones@utsa.edu. Website: <http://colfa.utsa.edu/polisci/geography>. For graduate program, contact andrea.aleman@utsa.edu (210-458-4627).

PROGRAMS AND RESEARCH FACILITIES: The geography program is housed with Political Science in the College of Liberal and Fine Arts, and offers a Bachelor of Arts degree requiring 34 hours of courses in the major. The program specializes in cultural, economic, political, and physical geography/GIS, and offers coursework in most other subareas of the field. The program is highly interdisciplinary. Students are encouraged to take courses in related areas of human and environmental sciences, and faculty regularly interact with those in other disciplines and with several Institutes on campus. The department has a social research laboratory with GIS teaching capabilities, and a media studio. The program provides students and

faculty numerous opportunities for study, internships, field trips, and research in the San Antonio region, south Texas, and abroad.

ACADEMIC PLAN, ADMISSIONS REQUIREMENTS, & FINANCIAL AID:

The University operates on a semester system, with a full range of summer courses. Complete information on admissions, program, and financial aid, may be obtained through the University website: www.utsa.edu.

Graduate Admissions requirements: For complete program information see the UTSA Graduate School Website: Academic Programs > Geography (M.A.). For application information see <https://apply.embark.com/grad/utsa/>. Requirements for admission to the GRG Masters program include submission of official transcripts, a statement of purpose, and two letters of recommendation by July 1 for fall or September 1 for spring. A CV and the GRE are recommended but not required. Prerequisites include a 3.0 GPA in the last 60 hours of college work and completion of an introductory GIS course and a Methods course. A limited number of competitive Teaching Assistantships are available, for which early application is encouraged.

FACULTY:

Nazgol Bagheri, Ph.D., U. of Missouri-Kansas City, 2013, Assistant Professor — Urban Geography, Feminist Geography, GIScience, Middle East
Miguel De Oliver, Ph.D., Penn State, 1992, Associate Professor — race and gender disparities, consumerism and social inequality, North America
Richard Jones, Ph.D., Ohio State, 1973, Professor — international migration, development, Texas/Mexico social geography
John Morris, Ph.D., U. of Texas-Austin, 1992, Professor — historical and cultural geography, American Southwest, Europe
Melanie Stine, Ph.D., Texas State U., 2013, Assistant Professor — biogeomorphology, geomorphic effects of fire, highland wetlands, mountain geography

ADJUNCT FACULTY:

Juan Antonio Cebrian, Ph.D., Complutense University of Madrid, Spain, 1983 (summer) — Europe
Kristine Egan, Ph.D., Texas State U., 2006 — physical and human geography, GIS
Robert Garza, Ph.D., U. of Colorado-Boulder, 1980 — physical geography, American Southwest
Dean Lambert, Ph.D., U. of Texas-Austin, 1992 — physical geography, Latin America
James Vaughan, Ph.D., Texas State U., 2006 — urban and physical geography, natural hazards, sustainable urbanism
Sharon Wilcox, Ph.D., U. of Texas-Austin, 2014 — human and physical geography, conservation

UTAH

BRIGHAM YOUNG UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1955

DEGREES OFFERED: B.S.

STUDENTS IN RESIDENCE: 286 Majors

CHAIR: Ryan R. Jensen

DEPARTMENT ADMINISTRATIVE ASST:

Laurie Weisler

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, 690 SWKT, Brigham Young University, Provo, Utah 84602. Telephone (801) 422-3851. Fax (801) 422-0266. Email: geography@byu.edu. Internet: www.geog.byu.edu.

PROGRAMS AND RESEARCH FACILITIES:

The department offers several programs centered around geographic studies and tailored to enable students to work in a variety of careers that involve understanding the spatial aspect of the world and solving practical problems. All Geography programs are composed of the same three areas: (1) a broad knowledge of the geographic nature of the human and natural world; (2) practical skills in the techniques and technologies used to solve geographic problems; and (3) specialized knowledge and skills in a particular expertise including B.S. degrees in Geography: Global Studies; Tourism; Physical Environment; Urban Planning, GIS and Remote Sensing; GeoSpatial Intelligence.

The department has three dedicated Technology Enhanced Classrooms as well as our own computer lab. The computer laboratory contains state-of-the-art UNIX and Windows workstations and software devoted to spatial analysis, statistics, decision making in urban/regional planning, cartography, GIS, photogrammetry and satellite image processing. The workstations are supplemented by peripherals for scanning, digitizing, and large-format plotting. To assist in field mapping, high-accuracy global positioning system equipment is also provided for student use. Students also have access to additional computer labs located in the same building.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

All degree programs in the Department of Geography are open enrollment for current BYU students. However, special limitations apply for teaching majors.

FACULTY:

Matthew E. Bekker, Ph.D., U. of Iowa, 2002, Assistant Professor — landscape ecology, biogeography, dendroecology
Michael J. Clay, Ph.D., U. of California, Davis, 2005, Associate Professor — urban planning
James A. Davis, Ph.D., Arizona State, 1993, Associate Professor — urban planning, cultural, tourism
Jeffrey O. Durrant, Ph.D., University of Hawaii, 2001, Assistant Professor — land and water use
Chad F. Emmett, Ph.D., U. of Chicago, 1991, Associate Professor — Middle East, political, cultural
Perry J. Hardin, Ph.D., U. of Utah, 1989, Associate Professor — GIS, remote sensing, quantitative methods
Ryan Jensen, Ph.D., U. of Florida, 2000, Associate Professor — remote sensing, urban environment
Clark Monson, Ph.D., U. of Hawaii, 2004, Associate Lecturer — biogeography
Daniel Olsen, Ph.D., U. of Waterloo, 2008, Associate Professor — tourism, cultural

Samuel M. Otterstrom, Ph.D., Louisiana State U., 1997, Associate Professor — historical, population, planning,
Brandon S. Plewe, Ph.D., SUNY at Buffalo, 1997, Assistant Professor — GIS, cartography
J. Matthew Shumway, Ph.D., Indiana, 1991, Professor — population, economic, quantitative methods

ADJUNCT:

Andrew Jackson, M.S., BYU, 1991, Assistant Lecturer — urban planning
Ruth Kerry, Ph.D., U of Reading, UK, 2004, Associate Lecturer — soils, precision farming, geostatistical analysis
Jill Knapp, M.S., BYU, 1989, Assistant Lecturer — cultural geography

EMERITI:

Alan H. Grey, Ph.D., U. of Wisconsin, 1966 — 1997
Thomas K. Hinckley, Ph.D., U. of Western Ontario, 1972 — 1995
Russell N. Horiuchi, Ph.D., U. of Washington, 1961 — 1990
Lloyd E. Hudman, Ph.D., Kansas, 1970 — 2002
Robert L. Layton, Ph.D., Syracuse U., 1954 — 1989
Richard H. Jackson, Ph.D., Clark, 1970 — 2008

SOUTHERN UTAH UNIVERSITY

DEPARTMENT OF PHYSICAL SCIENCE

DATE FOUNDED: 1897 (Geography courses first offered circa 1899)

DEGREES OFFERED: Undergraduate minor in Geography; undergraduate minor in Geography Teacher Education; Certificate in Geographic Information Systems; Bachelor of Arts in Engineering Technology CAD/GIS Emphasis; Bachelor of Science in Engineering Technology CAD/GIS Emphasis

GRANTED: 2 GIS Certificates (2012-2013), 4 GIS certificates (2013-2014)

STUDENTS IN RESIDENCE: 3 Geography minors, 16 GIS Certificate-seeking students, 5 CAD/GIS majors.

CHAIR: J. Ty Redd

DEPARTMENT ADMINISTRATIVE ASSISTANT:
Rhonda Riley

FOR FURTHER INFORMATION CONTACT: Paul R. Larson, Ph.D., Associate Professor of Geography/GIS, 351 West University Boulevard, Cedar City, Utah 84720. Telephone 435-865-8244. Fax 435-865-8051. Email larson_p@suu.edu. Internet: <http://suu.edu/cose/physci/geosciences/geography.html>

PROGRAMS AND RESEARCH FACILITIES: Southern Utah University offers the full spectrum of Geography courses beginning with introductory world regional, human, physical geography (with lab), and intro GPS. Upper division courses include Remote Sensing, Weather and Climate, Political Geography, Geomorphology, environmental Geography, Cartography, Intro GIS, Geography of Utah, Geography of North America, Advanced GIS, and Teaching Methods in Geography. The SUU GIS Laboratory consists of a teaching laboratory with 32 workstations with a fully mediated teacher's station, and an advanced lab with 10 workstations. Software includes ArcGIS 10.2.2 with all extensions, several GPS software packages (Pathfinder, Trimble, etc.) and ERDAS Imagine. Students, faculty, and researchers from across campus have access to a CalComp 50" digitizer, a Contex 54" color scanner, a 42" HP plotter, a Trimble centimeter-grade GPS base station, 56 Trimble handheld GPS units, and 6 Garmin GPS units. The GIS Lab Internship program maintains a five-year \$500,000 agreement with the U.S. Forest Service which hires 2-6 interns per year, a ten-year agreement with

Bryce Canyon National Park which hires 1-2 interns per year, and other agencies which hire an additional 3-6 interns annually. Finally, we would like to mention our world-class outdoor laboratory. SUU is located within four hours of seven national parks and several national monuments.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The university uses a semester system. First-time students (graduating high school within five years prior to attendance) are admitted to SUU using an admission index (see <http://suu.edu/prostu/admissionindex.html>). Students with an admission index of 90 or higher will be admitted to Southern Utah University. To ensure student success, students whose English ACT score is less than 17 will be required to take ENGL 1000 with ENGL 1010. Students whose Mathematics ACT score is less than 18 will be required to take the math placement test at entrance and the appropriate math course based on the test results. These courses must be completed within the first three semesters of attendance. Students with an admission index below 90 are encouraged to contact the Admissions Office (<http://www.suu.edu/prostu/>) concerning their opportunity for admission into SUU. Financial aid information is available at <http://www.suu.edu/ss/financial/>.

GEOGRAPHY FACULTY:

Paul R. Larson, Ph.D., University of Utah, 1996, Associate Professor of Geography/GIS — physical geography, world regional geography, human geography, remote sensing, weather and climate, political geography, geomorphology, environmental geography, cartography, intro GIS, geography of Utah, geography of North America, geography teaching methods

David J. Maxwell, M.Sc., 2005, Manchester Metropolitan University — GIS, remote sensing, GPS

UNIVERSITY OF UTAH

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1947

GRADUATE PROGRAM FOUNDED: 1948

DEGREES OFFERED: B.A., B.S., M.A., M.S., Ph.D.

(Geography); Geographic Information Science M.S.

GRANTED 9/12-8/13: 24 Bachelors, 3 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 91 Bachelors, 29 Masters, 17 Doctoral

NOT IN RESIDENCE: 0 Bachelors, 2 Masters, 1 Doctoral

CHAIR: Andrea Brunelle

DEPARTMENT ADMINISTRATIVE ASST: Lisa Clayton

GRADUATE SECRETARY: MaryAnn Golightly

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

University of Utah, Department of Geography, 260 S. Central Campus Dr., Room 270, Salt Lake City, Utah, 84112-9155. Telephone (801) 581-8218. Fax (801) 581-8219.

Email: maryann.golightly@geog.utah.edu.

World Wide Web: <http://www.geog.utah.edu>.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography emphasizes scientific geography within three main focus areas, as well as their synergistic overlaps: 1) *Urban/Economic Systems*, including urbanization, transportation, economic geography, globalization, public health, natural and technological hazards, and demography, 2) *Earth Systems Science*, including biogeography, glaciology, hydrology, paleoecology, geomorphology, and climate science; and 3) *Geographic Information Science*, including geographic information systems (GIS), remote sensing, cartography and geovisualization, spatial analysis, and geocomputation. These focus areas provide knowledge and technical skills required to support

high-end careers in the private, public, and academic sectors. Any of the focus areas or their interfaces can serve as a focus for the Ph.D., M.A., M.S., B.A., or B.S. degrees in geography.

In addition to traditional academic Master's and Doctoral degrees in Geography, we also have a Master's of Science in Geographic Information Science (MSGIS). The MSGIS focuses on coursework and is targeted towards professionals seeking GIS-centered training. The Department of Geography also provides multiple certificate programs. The Geographic Information Science Certificate offers emphases in *Applied GIS* and *Remote Sensing*. The Geospatial Intelligence (GeoInt) Certificate is one of only seven programs nationwide accredited by the US Geospatial Intelligence Foundation. We also offer certificates in Climate Change, Hazards and Emergency Management, and participate in an Integrated Certificate in Sustainability.

The Department has well-equipped facilities for research in GIScience, digital cartography, remote sensing and environmental analysis. The Department houses and operates the Digitally Integrated Geographic Information Technologies Laboratory (DIGIT), a major GIScience research and production facility serving interests on and off campus. DIGIT is equipped with state-of-the-art hardware platforms and software systems for analytical computer cartography, web-based mapping, remote sensing and GIScience, including a full range of ESRI products (including full suites of Arc GIS Desktop, ArcGIS Server, ArcGIS Online, ArcPad/ArcGIS Mobile), ENVI, GlobalMapper, SQL Server and other image processing, spatial analysis, spatial database and graphics software. We are also home to the Utah Remote Sensing Applications (URSA) Lab. URSA engages in cutting-edge, applied remote sensing research and has a wide array of remote sensing field equipment and software. The Center for Natural and Technological Hazards (CNTH) which integrates research and teaching in urban economic systems, earth system science and GIScience as applied to hazards analysis, policy and mitigation. The RED Lab (Records of Environment and Disturbance) and Power Paleocology Lab are two paleoecology labs housing state-of-the-art facilities for studying environmental change from sedimentary records. The Geomorphology lab offers students experience studying geologic process in arid landscapes and geoarchaeology. We also have strong ties to University of Utah interdisciplinary field, educational, and computing facilities, including Range Creek Canyon, Rio Mesa Center, Natural History Museum of Utah Garrett Herbarium, Global Change and Sustainability Center, and Center for High Performance Computing.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: All prospective University of Utah undergraduate students must apply through the Admissions Office. Applicants must submit a completed *Application for Undergraduate Admission*, required test scores (ACT/SAT); processing fee; and any required credentials by the appropriate deadline to avoid being assessed a late fee. Following are deadlines for filing applications: Fall Semester – April 1; Spring Semester – Nov. 1; Summer Semester – March 15. The following types of financial aid are available through the Financial Aid and Scholarship Office: scholarships, grants, loans and work-study. Financial aid and scholarship deadlines are prior to the start of the academic year. Dates can be found on the University web page at <http://financialaid.utah.edu/news/>. Offers made to students may be a combination of various forms of aid. Scholarships and grants are restricted to undergraduate students; loans and work-study are open to both graduate and undergraduate students.

GRADUATE: Candidates must apply online via an ApplyYourself link on our website and must be accepted by both the Department and the University's Graduate School. A minimum of a 3.00 G.P.A. is required for acceptance. Applicants must submit a completed application for admission, processing fee, and any required credentials by the appropriate deadline. Several teaching assistantships are available; which include stipends of up to \$16,000 per academic year

and carry a full tuition waiver. Research assistantships and part-time project work are also available through funded research grants. Complete applications for graduate school as well as teaching assistantships and research assistantships for the Masters program are due in the Geography Department no later than January 10. Ph.D. applications are accepted at anytime for fall and spring semesters, but for Ph.D. applicants wishing to apply for teaching and research assistantships, applications are due January 10. Information and details are available at <http://www.geog.utah.edu/graduate-program.html>.

FACULTY:

- Simon C. Brewer, Ph.D., Universite' d'Aix-Marseille I, 2002, Assistant Professor* — past and present climate change, paleoecology, environmental modeling, data mining and analysis
- Andrea Brunelle, Ph.D., University of Oregon, 2002, Professor and Chair* — paleoecology, disturbance (fire and beetle) history, climate change
- Thomas J. Cova, Ph.D., California-Santa Barbara, 1999, Professor* — GIS, emergency management, and transportation
- Philip E. Dennison, Ph.D., California-Santa Barbara, 2003, Professor and Director of Graduate Studies* — remote sensing of vegetation, hyperspectral and multispectral remote sensing, wildfire and climate, fire modeling and fire safety
- Kathryn Grace, Ph.D., California-Santa Barbara, 2008, Assistant Professor* — population geography, demography, health, development, food security and land cover land use change, quantitative and qualitative analysis
- Richard R. Forster, Ph.D., Cornell, 1997, Professor* — glaciology, microwave remote sensing, application of radar interferometry to studies of glaciers and ground subsidence, remote sensing of snow packs and hydrology
- George F. Hepner, Ph.D., Arizona State, 1979, Professor and Director of Undergraduate Studies* — land resource analysis, geographic information analysis, geospatial analysis of terrorism
- Phoebe B. McNeally, Ph.D., Utah, 2008, Research Associate Professor and Director of Digitally Integrated Geographic Information Technologies (DIGIT) Laboratory* — GIS, spatial decision support systems, geographic visualization, spatial databases, and snow science
- Richard Medina, Ph.D., University of Utah, 2009, Assistant Professor* — conflict, hazards, complex systems, GIS
- Kathleen Nicoll, Ph.D., Arizona, 1998, Associate Professor* — Quaternary stratigraphy, geomorphology, archaeology, environmental change, petroleum geology
- Mitchell J. Power, Ph.D., 2006, University of Oregon, Associate Professor* — paleoecology, biogeography, historical plant geography, climate history, and fire history from local to global scales
- Vincent V. Salomonson, Ph.D., 1968, Colorado State University, Research Professor* — spaceborne remote sensing of Earth-atmosphere processes and trends with emphasis on hydrological processes, regional and global snow cover dynamics
- Neng Wan, Ph.D, Texas State University-San Marcos, 2011, Assistant Professor* — medical/health geography, aging, health disparity, healthcare accessibility, environmental exposure, GIScience, spatial modeling
- Ran Wei, Ph.D., Arizona State University, 2013, Assistant Professor* — GIScience, urban and environmental planning, spatial analysis, spatial optimization, high-performance computing, infrastructure and transportation system, land use decision making
- Yehua Dennis Wei, Ph.D., UCLA, 1998, Professor* — economic/urban geography, regional and sustainable development, globalization and global cities, land use, GIS, spatial analysis, China

AUXILIARY FACULTY:

Robert T. Argenbright, Ph.D., UC-Berkeley, 1990, Assistant Professor-Lecturer — Russia, historical, political, and urban geography
Genevieve Atwood, Ph.D., Adjunct Associate Professor — regional geography (North America), physical geography, geographic education
Larry L. Coats, M.S., Adjunct Assistant Professor — quaternary sciences
Elizabeth Dudley-Murphy, Ph.D., Adjunct Associate Professor — world regional/cultural geography, geography of Latin America, human geography, introduction to GIS
Steven Farber, Ph.D., McMaster University, 2010, Research Assistant Professor — spatial analysis, urban transportation geography, spatial econometric modeling, urban economic geography, integrated land-use and transportation modeling, activity and time-use analysis, GIS
Jack Hamilton, Ph.D., Columbus University, 1991, Adjunct Associate Professor — energy, environment and sustainability
Arthur Hampson, Ph.D., Hawaii, 1980, Professor-Lecturer — Historical geography, regional geography, global issues
Zachary Lundeen, Ph.D., Utah, Research Assistant Professor and Director of Rio Mesa Center — paleoclimatology, paleoecology, water resources
Harvey J. Miller, Ph.D., Ohio State, 1991, Research Professor — GIS, transportation, time geography, mobility science, spatial analysis
Ola Opera, Ph.D., Utah, 2013, Adjunct Assistant Professor — energy, environment
Pamela Perlich, Ph.D., Adjunct Professor — demo-economic analysis and regional science
Kenneth L. Petersen, Ph.D., Washington State University, 1981, Adjunct Assistant Professor — palynology and environmental archaeology
Jennifer Watt, Ph.D., Utah, 2013, Adjunct Assistant Professor — global climate change, environmental and sustainability studies, paleoecology and disturbance
Ingrid Weinbauer, M.A., Adjunct Assistant Professor — cartography, resource conservation, urban environmental geography
Bing Xu, Ph.D., UC-Berkeley, 2003, Research Assistant Professor — remote sensing and GIS, epidemiology, spatial analysis, spatio-temporal modeling

EMERITUS FACULTY:

Donald R. Currey, Ph.D., Kansas, 1969, Professor — Deceased
Albert L. Fisher, Ph.D., Johns Hopkins, 1954, Professor
James W. King, Ph.D., Northwestern, 1964 Associate Professor
Thomas M. Kontuly, Ph.D., Pennsylvania, 1978, Professor
Chung-Myun Lee, Ph.D., Michigan, 1961, Professor
Roger M. McCoy, Ph.D., Kansas, 1967, Professor
Merrill K. Ridd, Ph.D., Northwestern, 1963, Professor
Leroy H. Wullstein, Ph.D., Oregon State, 1965, Professor

UTAH STATE UNIVERSITY

DEPARTMENT OF ENVIRONMENT AND SOCIETY

DEGREES OFFERED: B.S. Geography (offered jointly with Department of Watershed Sciences), B.S. Geography Teaching, M.S. Geography

HEAD: Mark Brunson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Becky Hirst, Department of Environment and Society, 5215 Old Main Hill, Logan UT 84322-5215. Telephone: (435) 797-1790. Fax: (435) 797-4048. E-Mail: envs.info@usu.edu. Website: <http://www.cnr.usu.edu/envs/>.

PROGRAMS AND RESEARCH FACILITIES:

The interdepartmental program in Geography is part of the College of Natural Resources. Research centers on relationships between humans and the natural environment, applications of spatial-analytical tools to conservation and land management, and physical processes in watersheds. Undergraduate students in Geography choose from three emphasis areas (described below): Human-Environment Geography, Geographical Analysis, and Physical Geography. The B.S. in Geography Teaching is offered in cooperation with the Secondary Education program in USU's School of Teacher Education and Leadership.

Human-Environment Geography provides a broad overview of the relationships between humans and their environments across different cultures, economies, and geographic locations around the globe. Special attention is given to human-environment relations and environmental issues in the Global South, within the context of world systems.

Geographical Analysis assists students in gaining a solid foundation of geographic information analysis skills. Students learn to apply planning tools and approaches to large-scale issues extending beyond city, county, or other jurisdictional boundaries.

Physical Geography focuses on physical processes on a landscape scale. Students gain proficiency in geographic information sciences and are exposed to processes of landscape geomorphology and hydrology. Students completing this emphasis will have strong quantitative and spatial analysis skills, and will gain an understanding of the interactions of the physics, chemistry, and biology inherent in earth ecosystems.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester System. Graduate admission requirements: interests in the field coincident with those of the Department, min. 3.2 GPA over last 60 credits, and 40th percentile for GRE scores; application requires transcripts, three letters of recommendation, GRE results, TOEFL (international students); Financial Aid: graduate research and teaching assistantships may be available, with remission of out-of-state portion of tuition if at 0.5 FTE.

ENVIRONMENT AND SOCIETY FACULTY:

Roslynn Brain, PhD, Florida, 2008, Assistant Professor and Extension Specialist — sustainable communities, pro-environmental behavior change, non-formal teaching techniques — roslynn.brain@usu.edu
Mark Brunson, PhD, Oregon State, 1991, Professor and Head — social-ecological systems, human dimensions of ecological disturbance and invasion, restoration ecology — mark.brunson@usu.edu
Steven Burr, PhD, Penn State, 1994, Associate Professor and Extension Specialist — outdoor recreation and nature-based tourism — steve.burr@usu.edu
Robyn Ceurvorst, PhD, Oregon State, 2010, Assistant Professor — recreation resource management — robyn.ceurvorst@usu.edu
Layne Coppock, PhD, Colorado State, 1985, Professor — range ecology and management, international development, systems analysis — layne.coppock@usu.edu
Joanna Endter-Wada, PhD, California-Irvine, 1987, Associate Professor — natural resource and environmental policy, water management and planning, human ecology — joanna.endter-wada@usu.edu
Nat Frazer, PhD, Georgia, 1983, Professor — STEM education, sustainability, science literacy, interaction of politics, religion and science — nat.frazer@usu.edu
Peter Howe, PhD, Penn State, 2012, Assistant Professor — human-environment geography, vulnerability and adaptation to climate change and natural hazards — peter.howe@usu.edu

Judith Kurtzman, MS, Utah State, 1999, Professional Practice Instructor — natural resource and environmental policy — judy.kurtzman@usu.edu

Christopher Monz, PhD, Colorado State, 2001, Associate Professor — recreation ecology, outdoor recreation and wilderness management — chris.monz@usu.edu

Claudia Radel, PhD, Clark, 2005, Associate Professor — international development, political ecology, feminist geography: Latin America, sub-Saharan Africa — claudia.radel@usu.edu

Charles Romesburg, PhD, Pittsburgh, 1971, Professor — environmental decision-making, natural resources research methods and survey sampling, bioethics — charles.romesburg@usu.edu

Robert Schmidt, PhD, California-Davis, 1986, Associate Professor — wildlife policy and human dimensions, wildlife damage management — Robert.Schmidt@usu.edu

Joseph Tainter, PhD, Northwestern 1975, Professor — social conflict in environmental issues, human responses to climate change and environmental degradation, human uses of energy and resources — joseph.tainter@usu.edu

GEOGRAPHY FACULTY IN AFFILIATED DEPARTMENTS:

Patrick Belmont, PhD, Lehigh, 2007, Assistant Professor, Watershed Sciences — watershed hydrology, sediment dynamics, geomorphology, morphodynamics — patrick.belmont@usu.edu

Thomas Edwards, PhD, Florida, 1987, Professor, Wildland Resources — spatial analysis of biodiversity, landscape ecology, wildlife habitat and vegetation modeling — t.edwards@usu.edu

Colin Flint, PhD, Colorado, 1995, Professor, Political Science — geopolitics, political geography, peace and conflict studies — colin.flint@usu.edu

Sarah Null, PhD, California-Davis, 2008, Assistant Professor, Watershed Sciences — water resources, water temperature, climate change, modeling — sarah.null@usu.edu

R. Douglas Ramsey, PhD, Utah, 1989, Professor, Wildland Resources — remote sensing, GIS, landscape ecology, spatial analysis — doug.ramsey@usu.edu

John (Jack) Schmidt, PhD, Johns Hopkins, 1987, Professor, Watershed Sciences — stream geomorphology — jack.schmidt@usu.edu

Joseph Wheaton, PhD, Univ. of Southampton, 2008, Assistant Professor, Watershed Sciences — fluvial geomorphology and ecohydraulics — joe.wheaton@usu.edu

Peter Wilcock, PhD, MIT, 1987, Professor and Department Head, Watershed Sciences — river sedimentation and earth surface processes, fluvial and hillslope geomorphology — peter.wilcock@usu.edu

WEBER STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1933

DEGREES OFFERED: B.S., B.I.S.

GRANTED 5/31/12-5/31/13: 22 Bachelors

MAJORS: 72

CHAIR: Bryan Dorsey

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Bryan Dorsey, Chair, Department of Geography, Weber State University, Ogden, Utah 84408-1210. Telephone (801) 626-6944. Email: bdorsey@weber.edu.

PROGRAMS AND RESEARCH FACILITIES:

The Bachelor's degree in geography can be earned by following one of ten emphases in systematic geography, geography teaching, geographic technology, urban & regional planning, environmental

studies, global studies, Asian studies, Latin American studies, European studies, or American ethnic studies. Many courses in cognate fields may be taken for credit as geography or interdisciplinary electives. Department facilities and resources include a Computer Cartography Laboratory, equipped with ArcGIS 10, remote sensing, and a map library. The department's computer lab consists of networked PCs, laptops, printers, scanners, and projection systems. GPS units and various data collection instruments are used during field course work. Students and faculty utilize numerous software programs in their studies, including ESRI ArcGIS 10, SPSS 17.0, Microsoft Office, and Novell Office suites. Students also have access to the University's many Learning Support Center Labs which also contain ArcGIS 10, SPSS, and the Office software. The department's map collection includes thousands of topographic, geologic, thematic, and specialty maps. The map library is a part of Weber State University's Stewart Library, a U.S. Geological Survey map repository.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. The bachelor's degree requires 120 total hours. The geography major and the geography teaching major require 36 hours in geography. The geography emphasis within the bachelor of integrated studies program requires 18 hours. Financial aid and scholarships are available through the University, the College of Social Science, and the Department of Geography.

FULL-TIME FACULTY:

Daniel Bedford, Ph.D., Colorado, 1997, Professor — arctic, alpine, climatology, Europe

Jeremy Bryson, Ph.D., Syracuse, 2010 Assistant Professor — environment and society, urban, American West, Asia, city and regional planning

Bryan Dorsey, Ph.D., Colorado, 1996, Professor — environment and society, land use planning, Africa, physical, world regional

Eric Ewert, Ph.D., Idaho, 2003, Professor — economic, American West, urban, cartography, GIS, Latin America

Alice Mulder, Ph.D., Colorado 2003, Assistant Professor — physical, world regional, U.S., Canada, gender, environmental issues

Julie Rich, D.Phil., Oxford, 2003, Associate Professor — physical, quaternary, Holocene, weather, climate, arid lands, Utah, world regional

PART-TIME AND AFFILIATED FACULTY:

Rick Ford, Ph.D., UCLA, 1997, Professor (Geosciences) — geomorphology, quaternary environments, meteorology

Klaus Gurgel, ABD, Syracuse, 1978, Adjunct Instructor — physical, world regional, history of geographic thought, Utah

Kim Hadfield, M.Ed., Utah State, 1982, Adjunct Instructor — physical, world regional, U.S., Canada

Mike Hernandez, Ph.D., Utah, 2003, Associate Professor (Geosciences) — GIS, remote sensing

Paul Richards, M.S., Oregon State, 1991, Adjunct Instructor — physical, world regional, climatology, economic

VERMONT

MIDDLEBURY COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1800

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 26 Bachelors

MAJORS: 66

CHAIR: Anne Kelly Knowles

DEPARTMENT ADMINISTRATIVE ASST: Angela

Early

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Anne Kelly Knowles, Department of Geography, 276 Bicentennial Way, Middlebury College, Middlebury, Vermont 05753. Telephone (802) 443-3434. Fax (802) 443-2072. E-mail: aknowles@middlebury.edu, Internet: www.middlebury.edu.

PROGRAMS AND RESEARCH FACILITIES: Middlebury is a four-year liberal arts college that grants a Bachelor of Arts in geography. With six full-time faculty, the geography department offers a curriculum that aims toward a broad yet integrated perspective on the discipline. Beyond the classroom, students have opportunities to do a variety of internships and independent projects and to work closely with faculty on their research. The department has well equipped facilities, including modern GIS and cartography laboratories.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Middlebury is on a 4-1-4 calendar, which means that students complete 4 courses each during regular fall and spring semesters and one course during a special, one-month winter term. The winter term especially offers many opportunities for travel, internships, and independent study. Admission to Middlebury is on a need-blind, competitive basis, and financial aid is available. Additional information on admissions and financial aid can be obtained by writing the Admissions Office, Middlebury College, Middlebury, VT 05753.

FACULTY:

Guntram H. Herb, Ph.D., Wisconsin, 1993, Professor — nationalism and territoriality, German identity, European integration, maps and propaganda, history of geography

Jeff Howarth, Ph.D., California, Santa Barbara, 2007, Assistant Professor — spatial thinking in problem based learning, instructional design for GIS and cartography, GIS in planning and design

Anne Kelly Knowles, Ph.D., Wisconsin, 2002, Professor — historical geography of North America, historical GIS, history of cartography, American industrialization and immigration, Holocaust geographies, cultural and economic landscapes

Ronald D. Liebowitz, Ph.D., Columbia, 1985, President and Professor — political geography, Former Soviet Union, population geography

Tamar Mayer, Ph.D., Wisconsin, 1985, Professor — political and cultural geography, nationalism, political landscapes, gender, development, Middle East, Central Asia, Xinjiang

Kacy McKinney, Ph.D., Washington, 2011, Visiting Assistant Professor — development theory, geographies of food, geographies of youth, agricultural and environmental change, labor, qualitative methods, Brazil, India

Peter B. Nelson, Ph.D., Washington, 1999, Professor — economic geography, population migration, rural restructuring, urban-rural linkages

Joseph Holler, Ph.D., SUNY at Buffalo, 2012, GIS Teaching Fellow — geographic information science, social vulnerability and adaptation, development geographies, political ecology

Heather Richards-Rissetto, Ph.D., New Mexico, 2010, GIS Teaching Fellow — GIS, 3D visualization, archaeological landscapes, ancient Mesoamerica, social networks, accessibility and visibility analysis, Digital Humanities

UNIVERSITY OF VERMONT

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

DEGREES OFFERED: B.A.

GRANTED 9/1/12-8/31/13: 27 Bachelors

STUDENTS IN RESIDENCE: 53 Geography Majors; 34

Geography Minors; 66 Geo-spatial Technologies Minors

NOT IN RESIDENCE: n/a

CHAIR: Meghan Cope

ADMINISTRATIVE OFFICE COORDINATOR: Vibeke Burley

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography, University of Vermont, 200 Old Mill, 94 University Place, Burlington, Vermont 05405-0114. Telephone (802) 656-2063. Fax (802) 656-3042. E-mail: geography@uvm.edu. World Wide Web www.uvm.edu/~geograph.

PROGRAMS AND RESEARCH FACILITIES: The department offers a rich program that covers a broad range of subfields within the discipline. Department faculty members have had substantial international experience, and are also involved in studies on Vermont. The University, with 12,723 full-time students, is likewise of human scale, promoting close contact between students and faculty. The campus is located in Burlington, a highly attractive metropolitan area of 150,000. The Green Mountains form the eastern backdrop, and Lake Champlain and Adirondack Mountains the western view. Montreal is only two hours away by car. Within a 50 mile radius, there is an unequalled range of settings for interesting fieldwork in human and physical geography. The B.A. degree requires thirty-three credits in geography plus meeting College of Arts & Sciences distribution requirements. Students can specialize in human geography, physical geography, or a more generalized geography major. Among the facilities are a library with more than one million volumes; a map library; and well-equipped cartographic, GIS, and remote sensing laboratories, the State Climate Office, two physical geography laboratories and a human geography laboratory.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: UNDERGRADUATE: The University is on the Semester system. The University of Vermont Catalog offers full information on admission requirements and financial aid opportunities. Consideration for admission relates to the secondary school record, recommendations, College Board Scholastic Aptitude Test results, writing ability, and other supportive information. Application forms may be obtained from the Admissions Office, University of Vermont, 194 South Prospect Street, Burlington, Vermont 05405-3596 or www.uvm.edu. The University will consider provision of financial aid based on a calculated determination of financial need.

FACULTY:

Pablo Bose, Ph.D., York University, 2006, Assistant Professor — culture, space and power, transnationalism and diaspora, urban and cultural geography, political economy and ecology, India and South Asia

Meghan Cope, Ph.D., University of Colorado, 1995, Professor and Chair — urban social geography, gender, race, children's/youth geographies, social policy, qualitative research, critical and qualitative GIS

Lesley-Ann Dupigny-Giroux, Ph.D., McGill University, 1996, Professor — physical geography, climatology, remote sensing, GIS, hazards, drought, land-surface interactions, Caribbean, Brazil

Cheryl Morse, Ph.D., University of British Columbia, 2006, Assistant Professor — cultural geography, rural, environmental studies, youth geographies, Vermont

Ingrid Nelson, Ph.D., University of Oregon, 2012, Assistant Professor — political ecology; critical development studies; gender, sexuality and environment; critical GIS; southern Africa

Shelly A. Rayback, Ph.D., University of British Columbia, 2003, Associate Professor — physical geography, biogeography, dendrochronology, paleoclimatology, climate change, isotopes, Arctic

Rashad Shabazz, Ph.D., University of California, Santa Cruz, 2008, Assistant Professor — American studies, gender & masculinities, film, history of consciousness, race and carceral spaces

Beverley Wemple, Ph.D., Oregon State, 1998, Associate Professor — physical geography, geomorphology, water resources, GIS, quantitative methods

ADJUNCT AND EMERITI FACULTY:

H. Gardiner Barnum, Ph.D., Chicago, 1965, Professor Emeritus — historical geography, place names

Pierre Deslauriers, Ph.D., Université de Montréal, 1998, Adjunct Lecturer — metropolitan dynamics, rural-urban fringe, geography and literature, Canada

Marla Emery, Ph.D., Rutgers, 1998, Adjunct Associate Professor — political ecology, traditional ecological knowledge, alternative economic theory, northeastern North America

Daniel W. Gade, Ph.D., Wisconsin, 1967, Professor Emeritus — political ecology, Western South America

Matthew Hannah, Ph.D., Pennsylvania State, 1992, Adjunct Professor — historical, social theory, politics of census-taking, race and ethnicity, United States

Richard S. Kujawa, Ph.D., Iowa, 1990, Adjunct Professor — political, urban, economic, environmental policy, planning Aulis Lind, Ph.D., Wisconsin, 1968, Professor Emeritus

Catrina MacKenzie, Ph.D., McGill University, 2012, Adjunct Lecturer — political ecology, conservation, sustainability, Africa

Susannah McCandless, Ph.D. Clark University, 2009, Adjunct — race, ethnicity and gender, immigration, community forestry, resource access, commons, social effects of conservation, land trusts, Vermont

Nicholas 'Pete' Shear, MA University of Vermont, 1997, Adjunct Lecturer — political geography, land use conflicts, Meso-American and Andean history, Ecuador

Canute VanderMeer, Ph.D., Michigan, 1962, Professor Emeritus

Stuart White, Ph.D., University of Wisconsin — Madison, 1981, Adjunct Assistant Professor — pre-Columbian Andes, mountain farming systems, conservation, paramo landscapes

VIRGINIA

GEORGE MASON UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND GEOINFORMATION SCIENCE

FOUNDED: 2008; formerly the DEPARTMENT OF GEOGRAPHY, Founded 1991, and the DEPARTMENT OF EARTH SYSTEMS AND GEOINFORMATION SCIENCES, Founded 2002
UNDERGRADUATE PROGRAMS FOUNDED: 1972 and 2007

GRADUATE PROGRAMS FOUNDED: 1978, 2002, 2004, 2011

DEGREES OFFERED: B.A. and B.S. in Geography; B.S. in Global and Environmental Change; Minors in Geography and in Geographic Information Systems; M.S. in Geographic and Cartographic Sciences; M.S. in Geoinformatics and Geospatial Intelligence; M.S. in Earth Systems Science; Ph.D. in Earth Systems and Geoinformation Sciences; Graduate Certificates in Geographic Information Sciences, Remote Sensing and Earth Image Processing, and Geospatial Intelligence (Available as a fully online program beginning Fall 2014)

GRANTED 9/1/12-8/31/13: 8 Ph.D. in Earth Systems and Geoinformation Sciences, 29 M.S. in Geographic and Cartographic Sciences, 5 M.S. in Earth Systems Sciences, 7 M.S. in Geoinformatics and Geospatial Intelligence, 18 B.A./B.S. in Geography, 5 B.S. in Global and Environmental Change

MAJORS (2012-2013): 58 Geography; 16 Global and Environmental Change; 49 Geographic and Cartographic Sciences, 37 Geoinformatics and Geospatial Intelligence; 2 Earth Systems Science; 86 Earth Systems and GeoInformation Sciences, 29 Graduate Certificates

CHAIR: Anthony Stefanidis

DEPARTMENT MANAGER: Debbie Hutton

FOR FURTHER INFORMATION: <http://ggs.gmu.edu>, ggs@gmu.edu

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography and GeoInformation Science (GGS) offers B.A. and B.S. degree programs in Geography, the former requiring a minor or second major in another field. The B.S. in Geography provides an extensive range of courses in remote sensing, geographic information systems, and cartography. Additionally, GGS and the Department of Environmental Science & Policy (ESP) jointly offer a B.S. in Global & Environmental Change. Students may pursue two emphases in this interdisciplinary degree: Global Change and Environmental Change, including a robust combination of supporting math, science, and geospatial information technology coursework.

At the graduate level, the GGS Department offers the M.S. in Geographic and Cartographic Sciences, the M.S. in Geoinformatics and Geospatial Intelligence and administers the M.S. in Earth Systems Science (jointly offered). GGS offers a Ph.D. in Earth Systems & GeoInformation Sciences with six core foci: quantitative skills, geoinformatics, physical geography, human geography, GIS, and remote sensing.

Students in our degree programs are invited to join GGS faculty in their research in Geographic Information Science, Remote Sensing, Digital Image and Video Analysis, Human and Physical Geography, Geoinformatics, Environmental Sciences, and other related areas. The Department, including several affiliated centers (Center of Excellence in Geographic Information Science, Center for Earth Observing and Space Research, I/UCRC for Spatiotemporal Thinking, Computing and Applications, Center for Intelligent Spatial Computing for Water/Energy Science, and the Center for Geospatial Intelligence), has state-of-the-art research facilities to support research and instruction. The Department also offers three graduate certificates in Geographic Information Science, Geospatial Intelligence, and Remote Sensing & Earth Image Processing, to provide graduate-level training to the working community in the Washington, DC metropolitan area.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. Most GMU graduate courses are offered in the evenings. Many graduate students are employed full or part-time in government and industry positions in geography, remote sensing, GIS, intelligence, earth science, geoinformatics, and other related fields.

Applicants for the M.S. in Geographic and Cartographic Sciences (GECA) program should have a bachelor's degree in Geography, Cartography or equivalent, with a grade point average of at least 3.0 (on a 4.0 scale) and should present GRE scores. Other applicants may be considered for provisional or non-degree status. Applicants should also present a course in statistics or spatial analysis prior to full admission.

Applicants for the M.S. in Geoinformatics and Geospatial Intelligence (GEOI) program should have a bachelor's degree in a discipline related to the program's theme, with a grade point average of at least 3.0 (on a 4.0 scale) and should present GRE scores and courses in differential and integral calculus. This program addresses the emerging demand for scientists trained in the collection, organization, analysis, and dissemination of information about physical features, man-made structures, moving objects, people, and events that are geo-referenced or geo-located. It focuses primarily on the computational approaches that support the synthesis and analysis of diverse types of data, in order to identify and monitor complex events and phenomena that manifest themselves over space and time. Other applicants may be considered for provisional or non-degree status.

Students with backgrounds in Geography, Earth Systems, one of the physical science disciplines, Engineering, or equivalent can apply for the M.S. in Earth Systems Science (ESS) program and for the Ph.D. in Earth Systems and GeoInformation Science (Ph.D. ESGS). The M.S. ESS degree requires 30 hours of course work, including a thesis or a project and exam.

As previously mentioned, the Ph.D. ESGS degree has concentrations in Geography, GIS, Geosciences, and Remote Sensing and Earth Observation. Forty-two hours beyond the Master degree or 72 hours beyond the baccalaureate degree, plus comprehensive exams and a dissertation are required. Depending on the applicant's credentials and background, a number of Graduate Teaching Assistantships (stipends and tuition supplements) may be awarded on a competitive basis. One Presidential Fellowship per year may be offered to a PhD applicant meeting a minimum combined math and verbal GRE score of 270/340 along with a GPA of 3.5 or higher on a 4.0 scale.

The Graduate Certificates in Geographic Information Sciences and in Remote Sensing & Earth Image Processing each require 15 hours; while the Certificate in Geospatial Intelligence requires 18 hours of course work. As noted above this certificate is available as a fully online program beginning Fall 2014. See <http://masononline.gmu.edu/programs/geospatialintelligencegraduatecertificate/>. Detailed information about the GGS Department and requirements for all its degrees may be viewed at: <http://catalog.gmu.edu>

Information about scholarships and loans is available through the Office of Student Financial Aid. See: <http://financialaid.gmu.edu>.

FULL-TIME FACULTY:

- Peggy Agouris, Ph.D., The Ohio State University, 1992, Professor and Dean, COS, Director of Center for Earth Observing and Space Research* — digital image processing/analysis, spatio-temporal information modeling and management, geospatial information systems, optical remote sensing, photogrammetry
- Patricia Boudinot, A.B.D., University of Dijon, France, Instructor* — human dimensions of natural disasters, cultural geography
- Arie Croitoru, Ph.D., Technion – Israel Institute of Technology, 2002, Assistant Professor* — computational geoinformatics, digital image analysis, geospatial/spatiotemporal data modeling, photogrammetry
- Kevin Curtin, Ph.D., University of California-Santa Barbara, 2002, Associate Professor and Associate Dean, COS* — GIS, transportation, network analysis, location science, Colombia
- Liping Di, Ph.D., University of Nebraska-Lincoln, 1991, Professor and Director of Center for Spatial Information Science and Systems* — GIS, remote sensing, interoperability
- Allan Falconer, Ph.D., University of Durham, UK, 1970, Professor* — physical geography, remote sensing and GIS
- Barry N. Haack, Ph.D., University of Michigan, 1977, Professor* — physical, environmental, remote sensing, development
- Jill Hallden, M.A., Michigan State University, 1999, Instructor* — cartography, geovisualization
- Paul R. Houser, Ph.D., University of Arizona, 1996, Associate Professor and co-Director of the Center for Intelligent Spatial Computing for Water/Energy Science* — global hydrology, water cycle dynamics, land surface
- Timothy Leslie, Ph.D., Arizona State University, 2007, Associate Professor and Associate Chair* — Urban-economic development, spatial statistics, health geography
- Richard Medina, Ph.D., University of Utah, 2009, Assistant Professor* — GISc, spatial analysis, complex systems, geography of terrorism and insurgent activity
- Dieter Pfoser, Ph.D., Alborg University, 2000, Associate Professor* — Spatial and spatiotemporal databases, Graph algorithms - shortest-path computation, map matching Crowdsourcing geospatial data, Volunteered Geographic Information
- John J. Qu, Ph.D., Colorado State University, 1997, Professor and co-Director of EastFIRE Lab* — remote sensing, fire sciences, atmospheric sciences, Earth data computing and GIS applications
- Matt Rice, Ph.D., University of California-Santa Barbara, 2005, Assistant Professor* — geographic information science, geovisualization
- Anthony Stefanidis, Ph.D., The Ohio State University, 1993, Professor and Chair, Director of Center for Geospatial Intelligence* — image and video analysis, geospatial intelligence, geo-sensor networks
- Donglian Sun, Ph.D., University of Maryland, College Park, 2003, Associate Professor* — remote sensing, algorithm development, numerical modeling simulation
- George E. Taylor, Jr., Ph.D., Emory University, 1976, Professor* — environmental sciences, ecology, air quality, biogeography
- Nigel Waters, Ph.D., University of Western Ontario, Canada, 1977, Professor and Director, Center of Excellence in Geographic Information Science* — GIS and GIS applications in transportation, traffic safety, health, habitat modeling, elections, network analysis
- David W. Wong, Ph.D., State University of New York, Buffalo, 1990, Professor* — spatial analysis and statistics, GIS, population, public health

Chaowei (Phil) Yang, Ph.D., Peking University, China, 2000, Associate Professor and co-Director of Center for Intelligent Spatial Computing for Water/Energy Science and Director of I/UCRC for Spatiotemporal Thinking, Computing and Applications — distributed geospatial information processing: architecture and algorithms, interoperability, high performance computing, spatial web portal, geographical object storage systems

Ruixin Yang, Ph.D., University of Southern California, 1990, Associate Professor — geosciences, data analysis, data mining, data information systems

SYSTEMS SUPPORT:

Na Liu, M.S., University of South Carolina, 1999, Geographic Information Systems Laboratory Manager

Jacek Radzikowski, M.S., Warsaw University of Technology, 1996, and George Mason University, 2007, Geospatial Intelligence and Geoinformatics Laboratory IT Manager

JAMES MADISON UNIVERSITY

GEOGRAPHIC SCIENCE PROGRAM DEPARTMENT OF INTEGRATED SCIENCE AND TECHNOLOGY

DATE FOUNDED: 1970

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/13-8/31/14: 46 Bachelors

STUDENTS IN RESIDENCE: 143 Majors

OPERATIONS COORDINATOR: Dr. Mary Tacy

DEPARTMENT ADMINISTRATIVE ASST: Caitlin Boyer

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Caitlin Boyer, Integrated Science and Technology, Geographic Science Program, James Madison University, MSC 4302, Harrisonburg, Virginia 22807. Telephone (540) 568-6199. Fax (540) 568-8741. E-mail: boyerca@jmu.edu. Internet: www.gis.jmu.edu

PROGRAMS AND RESEARCH FACILITIES: The mission of the Geographic Science program at JMU is to prepare students to be confident in their abilities as geographers and to equip them with the skills to effectively compete in graduate programs and the job market. These qualities are conveyed to students through the curriculum by our highly qualified and diverse faculty and staff. Geographic Science graduates are prepared for long term success as professionals in the field of geography.

Students in the Geographic Science program select one or both of the following concentrations: Applied Geographic Information Science (AGIS) and/or Environmental Conservation, Sustainability and Development (ECSD). Facilities include three state-of-the-art computer laboratories used for instruction and other teaching-related purposes, and one laboratory for research and applied work by faculty. The computer labs include numerous computers running geography-related software packages including ArcGIS (through an ESRI site license), PCI Geomatica, Trimble Pathfinder Office, eCognition, and SPSS. Additionally, a wide variety of field and analytical equipment is available to students and faculty. This includes a large topographic map and aerial photograph collection, water and soil testing equipment, meteorological equipment, a GPS base station, and a large number of Trimble GPS units.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Admission is handled by the Admissions Office. Applicants must have a high school diploma, submit appropriate forms, references, and SAT scores. All applicants are encouraged to visit the Geographic Science Program website and

visit the JMU Admissions website: www.jmu.edu/admissions/. Applicants can also write to the Admissions Office, James Madison University, MSC 0101, Harrisonburg, Virginia 22807 for application materials.

FACULTY:

Mace Bentley, Ph.D., Georgia, 1999, Associate Professor — meteorology, climatology, and weather-societal interactions

Thomas Benzing, Ph.D., Michigan, 1993, Professor — hydrology and climatology

Zachary Bortolot, Ph.D., Virginia Tech, 2004, Associate Professor — remote sensing and natural resources

Jennifer Coffman, Ph.D., North Carolina, 2000, Assistant Professor — environment, development, political ecology, sociocultural change, East Africa

Mike Deaton, Ph.D., Virginia Tech, 1980, Professor — spatial analysis

Joy Ferenbaugh, Ph.D., Texas Tech, 2007, Assistant Professor — wildlife management and anthropogenics on ecosystems

Amy Goodall, Ph.D., Nebraska-Lincoln, 1999, Associate Professor — biogeography

Robert Kolvoord, Ph.D., Cornell, 1990, Professor — environmental GIS

Helmut Kraenzle, Ph.D., Ludwig-Maximilians - University of Munich, 1991, Professor — GIS and spatial databases

David McGraw, JD, Georgetown, 1997, Professor — political geography

Ian Muehlenhaus, Ph.D., Ph.D., University of Minnesota, 2010, Assistant Professor — cartography and visualization, geopolitics

Carole Nash, Ph.D., Catholic University 2009, Assistant Professor — cultural ecology, landscape and culture, and field studies

Maria Papadakis, Ph.D., Indiana, 1991, Professor — population geography, energy and environment, and economic development

Mary Tacy, Ph.D., Georgia, 1991, Professor — climatology, humanitarian affairs and the Caribbean

Wayne Teel, Ph.D., Cornell, 1994, Professor — geography of Africa and sustainability

Henry Way, Ph.D., Kansas, 2008, Associate Professor — cultural, urban and political geography

EMERITI FACULTY

Joseph Eney, Ph.D., Kent State, 1972 — North America geography and regional geography

Jack Gentile, Ph.D., Oregon State, 1983 — resource and environmental geography

Glen C. Gustafson, Ph.D., Munich, 1973 — aerial photography and remote sensing

OLD DOMINION UNIVERSITY

DEPARTMENT OF POLITICAL SCIENCE & GEOGRAPHY

DATE FOUNDED: 1980

DEGREES OFFERED: B.A., B.S. in Geography; M.A. in Humanities (concentration in Human Geography)

GRANTED: 6/1/13-5/31/14: 21

MAJORS: 100

GEOGRAPHY PROGRAM DIRECTOR: Jonathan Leib

**DEPARTMENT ADMINISTRATIVE ASSISTANT:
Deborah Giles**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: For general University information contact the Office of Admissions; for information about the Geography Program contact the Director of Geography, Old Dominion University, Norfolk, Virginia 23529-0088. Telephone (757) 683-3841. Fax (757) 683-4763. E-mail: jleib@odu.edu Internet: <http://www.odu.edu/al/pols-geog/>

PROGRAMS AND RESEARCH FACILITIES: The geography program at Old Dominion University is staffed by a professionally active faculty committed to research, teaching, and close interaction with majors and minors. Both the B.A. and B.S. degrees are designed to provide students with a broad-based background in the discipline and a command of the tools of geographic research. In addition to a general major, students may specialize in Geographic Information Systems (GIS), Urban Geography, or Environment and Resources. Students may also pursue certificate programs in Geographic Information Science or Spatial Analysis of Coastal Environments. All of these concentrations support the University's mission to excel in areas that are appropriate to the opportunities afforded by its location in the heart of greater Hampton Roads, a major metropolitan area at the mouth of the Chesapeake Bay and one of the nation's leading ports.

The department offers extensive coursework in geospatial technology, including GIS, remote sensing, and spatial analysis, supported by a state-of-the-art research and instructional GIS laboratory. In addition, the department offers a Human Geography concentration within the interdisciplinary M.A. degree program in Humanities, and participates in the interdisciplinary B.A., M.A., and Ph.D. degree programs in International Studies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester plan. Requirements for admission to the University include 16 units of credit from high school and official results of the SAT. Applications for admission are handled by the Office of Admissions and are reviewed continually. Most of the University's financial aid is awarded on the basis of family financial need. Further information on financial aid is available from the Office of Financial Aid and Student Employment.

FACULTY:

Michael Allen, Ph.D., Kent State, 2014, Assistant Professor — climatology, climate change, bioclimatology, meteorology
Peter Anderson, Ph.D., Utah, 1994, Lecturer — physical, biogeography, ecology
Thomas Chapman, Ph.D., Florida State, 2007, Assistant Professor — cultural, urban, political, social justice, GIS
Timothy Kidd, M.S., Alabama, 2002, Lecturer — political, cultural, ethnic minorities, Europe
Jonathan Leib, Ph.D., Syracuse, 1992, Associate Professor and Program Director — political, American South, 'race' and ethnicity, cultural
Hua Liu, Ph.D., Indiana State, 2007, Associate Professor — GIS, remote sensing, urban environmental changes
Donald Zeigler, Ph.D., Michigan State, 1980, Professor — political, urban, marine, Middle East

ASSOCIATED FACULTY:

John Damron, Ph.D., Oregon, 1975, Adjunct Assistant Professor — environmental, coastal
Sherry DiBari, M.A., Ohio, 2011, Adjunct Instructor — historical, cultural
Christine Drake, Ph.D., Rutgers, 1977, Professor Emerita — Asia, Africa, cultural, world resources
Justin Friberg, Ph.D., Syracuse, 1977, Associate Professor Emeritus — Latin America
Brittany Gilmer, Ph.D., Toronto, 2013, Adjunct Assistant Professor — political, cultural, Africa, gender, development
Georgianne Hribar, D. Ed., Nova Southeastern, 2005, Adjunct Assistant Professor — Europe, Russia, cultural
Heather Jersild, M.S., UC-Davis, 1989, Adjunct Instructor — environmental, cultural
George McLeod, M.S., Old Dominion, 2009, Adjunct Instructor — Geospatial Technologies
Valerie Mervine, M.A.S., Arizona State, 2009, Adjunct Instructor — human geography, U.S. and Canada

UNIVERSITY OF MARY WASHINGTON

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1959

DEGREES OFFERED: B.A., B.L.S., Certificate in GISc

GRANTED 9/1/13-8/31/14: 30 B.A., 17 Certificates in GISc

MAJORS: 88

CHAIR: Jackie Gallagher

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Stephen P. Hanna, Chair, Department of Geography, University of Mary Washington, Fredericksburg, Virginia 22401. Telephone (540) 654-1490. Fax (540) 654-1074. E-mail: shanna@umw.edu. Internet: <http://www.umw.edu/cas/geography> and <http://cas.umw.edu/gis/masters/>.

PROGRAMS AND RESEARCH FACILITIES:

The University of Mary Washington is public liberal arts institution with about 4000 students. The Geography Department offers a new masters of science in Geospatial Analysis (MSGA) and two undergraduate programs: a major in Geography and a Certificate in GISc. The MSGA program is designed for professionals and four-year college graduates who have successfully completed at least two GIS-related courses. The program emphasizes spatial thinking, web-based GIS, image analysis, and statistical modeling.

The geography major has three areas of emphasis: 1) Community, Development, and Culture; 2) Nature and Society; and 3) Globalization. All geography majors receive rigorous training in research methods and geographic techniques appropriate for their area of emphasis and are encouraged to pursue independent research projects and/or internships. The GISc certificate includes required courses in GIS programming and a capstone research project typically completed through an internship. The Department's strengths are enhanced by its involvement with interdisciplinary programs in International Affairs, American Studies, Environmental Science, Urban Studies, and the Middle Eastern Studies program. This geography program prepares students for further study at the graduate level in geography, planning, and related disciplines, as well as for careers with a variety of governmental agencies and private organizations. Recent graduates work in education, GIS/cartography, urban and regional planning, intelligence, and environmental consulting.

The department's facilities include laboratories for training and student-faculty research in GIS, cartography, remote sensing, pollen analysis, and physical geography. The affiliated Center for Spatial Analysis and Research generates grants and contracts that provide undergraduate research and internship opportunities. UMW's location midway between Washington, DC, and Richmond offers immediate access to numerous major research libraries as well as abundant opportunities for internships with private organizations, international institutions, and federal, state, and local agencies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University of Mary Washington employs a semester system. The MSGA is a 30-credit, 12 month program culminating in a capstone project completed either through an independent project or internship. Students accepted into the program typically have at least a 3.0 undergraduate GPA and have either completed two college-level GIS-related courses or demonstrate professional experience equivalent to such courses. For undergraduates, the university takes a personal approach to admissions. Each application is reviewed and weighed along with a variety of other supporting information. Successful applicants are usually in the top one-fifth of their high school class

and have combined S.A.T scores averaging over 1200. Acceptance of the university's Honor System is a prerequisite for enrollment and competence in a foreign language is a requirement for graduation. Financial aid is available from a variety of sources for all students who can demonstrate need.

FACULTY:

- Dawn S. Bowen, Ph.D., Queen's University, 1998, Professor* — historical, environmental, North America, Latin America, field methods
- Caitlyn Finlayson, Ph.D., Florida State University, 2012, Assistant Professor* — cultural geography, geography of religion, geographic thought, nature-society, research methods
- Jacqueline Gallagher, Ph.D. UCLA, 1996, Associate Professor and Chair* — Quaternary geomorphology, biogeography, natural hazards, GPS and mobile GIS, field methods
- Stephen P. Hanna, Ph.D., University of Kentucky, 1997, Professor* — critical cartography and GIS, landscape and race, globalization and local development
- John W. McCarthy, M.P., University of Virginia, 1986 Lecturer* — city and regional planning
- Joseph W. Nicholas, Ph.D., University of Georgia, 1991, Associate Professor* — geomorphology, Quaternary studies, climatology, alpine environments
- Melina A. Patterson, Ph.D., Rutgers University, 2002, Associate Professor* — urban geography and planning, community development, political geography of education, emergence of the modern world economy
- Donald N. Rallis, Ph.D., Pennsylvania State University, 1992, Professor Emeritus* — Africa, Australia and New Zealand, East and Southeast Asia, urban geography
- Brian Rizzo, Ph.D., University of Virginia, 2008, Associate Professor and Director, GIS Programs* — GIScience, environmental science, business applications of GIS
- Farhang Rouhani, Ph.D., University of Arizona, 2001, Associate Professor* — political and cultural globalization, Middle East, social justice, international migration, qualitative methods
- Ping Yin, Ph.D., University of Georgia, 2012, Assistant Professor* — GIScience, spatial epidemiology, web-based GIS

WASHINGTON

CENTRAL WASHINGTON UNIVERSITY

DEPARTMENT OF GEOGRAPHY

FOUNDED: 1935

GRADUATE PROGRAM FOUNDED: 1983

DEGREES OFFERED: B.A., B.S., M.S.

GRANTED 12/31/11-8/31/12: 44 Bachelors, 18 Masters

STUDENTS IN RESIDENCE: 65 majors, 30 Masters

NOT IN RESIDENCE: 35 Masters

CHAIR: Kevin Archer

DEPARTMENT SECRETARY: Marilyn Mason

FOR CATALOG AND FURTHER INFORMATION WRITE TO: John T. Bowen, Interim Chair, Geography, Central Washington University, 400 E. University Way, Ellensburg, Washington 98926-7420. Telephone (509) 963-1188. TDD (509) 963-3323. Fax (509) 963-1047. Internet: www.cwu.edu/~geograph.

PROGRAMS AND RESEARCH FACILITIES:

Beginning with a common core of five courses, our undergraduate program stresses flexibility in the selection of course sequences for our majors and encourages study in related departments among the social and natural sciences. Faculty advisors work with our majors to develop a combination of courses which will best enable the students to achieve their goals in graduate school, or to enter professions such as urban and regional planning, environmental management, or other land and resource related fields. Many of our students serve internships with public and private organizations in the Pacific Northwest. The department also maintains a well-appointed Geography Information Systems laboratory that benefits majors from other programs in addition to geography.

Geography is also one of three departments that support an interdisciplinary M.S. in Resource Management degree, providing most of the natural resource component of the program. Details of this program are available from the geography co-director, Anthony Gabriel, c/o the department and our website. Recent master's thesis research efforts have focused on restoration of salmon habitat, water resources and watershed analysis, sacred sites and indigenous geographies, historic preservation, regional land use planning, and forest recreation management.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Central Washington University operates on the quarter system with ten-week terms beginning in mid-September. Admission to the University requires a comprehensive high school background with a minimum grade average of C+/B-. Financial aid is available to qualified students. Details on admissions and financial aid are available from the Admissions Office, Central Washington University, 400 E. 8th Ave., Ellensburg, Washington 98926.

Admission to the Resource Management graduate program requires a grade average of B or higher, GRE scores above the 45th percentile, and solid academic background in a technical field, of which geography is but one possibility, and academic recommendations. Assistantships are available to qualified applicants. Central Washington University is an EEO/AA/Title IX Institution.

FACULTY:

- Kevin Archer, Ph.D., Johns Hopkins University, 1990, Professor and Interim Dean of Graduate Studies* — social construction/production of nature, globalization
- John T. Bowen, Jr., Ph.D., University of Kentucky, 1993, Associate Professor and Interim Chair* — economic geography, air transport systems, Asia
- Elvin Delgado, Ph.D., Syracuse University, 2012, Assistant Professor* — political ecology, energy and capitalism, critical resource geography
- Anthony O. Gabriel, Ph.D., University of Guelph, 1993, Professor and Graduate Co-Director* — physical geography, biogeography, coastal environments, wetlands
- Robert J. Hickey, Ph.D., University of Idaho, 1994, Professor* — GIS and remote sensing, natural resources management, economic geology
- Robert Kuhlken, Ph.D., Louisiana State University, 1994, Professor* — historical geography, urban and regional planning, cultural ecology, Oceania, North America
- Karl D. Lillquist, Ph.D., University of Utah, 1994, Professor* — geomorphology, soils, environmental change, arid lands, mountain environments
- Mathew Novak, Ph.D., University of Western Ontario, 2010, Assistant Professor* — GIS, urban planning, economic/social geographies of retailing, urban history
- Michael Pease, Ph.D., Southern Illinois University, 2008, Assistant Professor* — arid lands, field methods, water resources, American Southwest

Craig S. Revels, Ph.D., Louisiana State University, 2002, Associate Professor — cultural, historical, and economic geography, Latin America

Megan Walsh, Ph.D., University of Oregon, 2008, Assistant Professor — paleoecology, physical geography, Pacific Northwest

ADJUNCT FACULTY:

Holly A. English, M.S., University of Denver — physical geography, environmental studies, energy resources

Elaine K. Glenn, M.S., Brigham Young University — world regional geography, political geography, Russia

Paul Blanton, Ph.D., University of Oregon, 2010 — physical geography, hydrology, mountain environments

EMERITI FACULTY:

James E. Brooks, Ph.D., University of Washington, 1957 — physical geography, international trade, growth management

Dee R. Eberhart, M.A., Northwestern University, 1950 — economic geography, land development, Europe

Kenneth A. Hammond, Ph.D., University of Michigan, 1969 — conservation, resource planning and legislation, Pacific Northwest

James L. Huckabay, Ph.D., University of Kansas, 1975 — energy resources, climatology, air photo interpretation

Nancy B. Hultquist, Ph.D., University of Idaho, 1991 — economic geography, GIS, urban geography, computer cartography

George Macinko, Ph.D., University of Michigan, 1961 — environmental studies, land use, resource geography

John Q. Ressler, Ph.D., University of Oregon, 1970 — cultural geography, Latin America, GIS

Morris L. Uebelacker, Ph.D., University of Oregon, 1987 — human geography, field methods, Columbia River Basin

STAFF:

Marilyn Mason, Secretary

Craig Scrivner, Ph.D., Computer System, Network Administrator

David Cordner, M.S., Science Instructional Technician III

EASTERN WASHINGTON UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1955

DEGREES OFFERED: B.A.

GRANTED 07/01/012-06/30/13: 11 Bachelors

MAJORS: 48

CHAIR: Stacy Warren

DEPARTMENT ADMINISTRATIVE ASST: LeAnn Knoles

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Stacy Warren, Department of Geography, 103 Isle Hall, Eastern Washington University, Cheney, Washington 99004-2417. Telephone (509) 359-7962 or 359-2433. Fax (509) 359-2474. Internet: www.ewu.edu.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography at Eastern Washington University is a small yet dynamic program located in the heart of the Intermountain Northwest, with campuses in Cheney and Spokane. The proximity to the Northern Rocky Mountains, Columbia Basin, Channeled Scablands, the Palouse, southern British Columbia and Alberta, and the Greater Spokane metropolitan region provides an ideal laboratory for both physical and human geography. The main campus is at Cheney, a farming and ranching town of 10,000 located sixteen miles

southwest of Spokane. There is also a downtown Spokane facility: the Riverpoint Campus complex, shared with Washington State University

The EWU undergraduate program seeks to cultivate geographic literacy as an indispensable element of a liberal arts education. Additionally, the broad range of course offerings is designed for students seeking professional careers in environmental fields or going on to graduate study. Areas of current faculty interest include geomorphology, climatology, alpine-glacial landscapes, wetlands, Third World development, GIS and computer cartography, geography of children, geographic education, architecture and historic preservation, popular culture theory, historical geography, urban, economic and transportation geography, and regional specialty offerings on the Pacific Rim, Canada, Middle East and Central Asia, Latin America and North America. Many courses are cross-listed, and Geography works closely with the departments of Anthropology, History, Geology, International Affairs, Urban and Regional Planning, Computer Science, Biology and Education. Interdisciplinary programs are offered in Children's Studies and Canadian Studies. We offer certificates in GIS and Wetland Studies. There is a strong emphasis on fieldwork in both physical and human geography which, combined with the small size of the campus and faculty, facilitates interaction between faculty and students. Geography majors are encouraged to participate in an active internship program to gain practical employment skills before graduation.

Geography, along with the affiliated programs of Anthropology, Archaeological & Historical Services, and a portion of the undergraduate Urban & Regional Planning program, occupies Isle Hall at the Cheney campus. The Geography Map Library is administered by a part-time Staff Cartographer/Map Librarian, and contains a 200,000-sheet collection. This makes it one of the largest in the Inland Northwest, serving as a depository for several U.S. and Canadian government agencies. The Geography Map Library also provides large-format scanning and printing services campus-wide. The department has a fully-equipped Geographic Information Systems Laboratory featuring Windows and UNIX platforms that form the core of GIS services for the university. EWU participates in the statewide ESRI site license, giving students and faculty full access to ArcGIS, ArcInfo, ArcView and many other ESRI products. The department also houses and administers the "Virtual GIS Laboratory" ArcIMS-based website, a university-wide clearinghouse for GIS data, support and other services. Also available are a campus weather station, a soils lab, and a traditional cartography lab.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Eastern Washington University is a regional state university and offers classes on a four-quarter schedule, Fall through Summer.

GEOGRAPHY FACULTY:

Anna Dvorak, Ph.D., UCLA, 2013, Assistant Professor — geographic information systems, physical geography, wetlands GIS, Latin America, social & behavioral theory

Michael M. Folsom, Ph.D., Michigan State University, 1971, Professor — biogeography, soils, geomorphology, wetlands, regional geography, Third World development

Robert Quinn, Ph.D., Oregon State University, 1976, Professor — climatology, meteorology, hydrology, wetlands

Robert Sauders, Ph.D. American University, 2007, Associate Professor — political, cultural heritage and anthropological studies, Middle East, Palestine, cultural studies. [Joint Appointment with Anthropology and History]

Stacy Warren, Ph.D., University of British Columbia, 1994, Professor — cultural and urban, geographic information systems, Disney studies, popular culture theory, geography of children

AFFILIATED FACULTY:

Fred A. Hurand, Ph.D., FAICP, Pennsylvania State University, 1979, Professor — urban and environmental design, behavioral analysis

William J. Kelley, M.U.R.P., Texas A & M University, 1974, Professor — transportation planning, land use planning, planning methods, hazards planning

Dick G. Winchell, Ph.D., AICP, Arizona State University, 1982, Professor — community development, land use planning, tribal planning, small town planning, strategic planning, community management and administration

UNIVERSITY OF WASHINGTON

DEPARTMENT OF GEOGRAPHY**DATE FOUNDED: 1935****GRADUATE PROGRAM FOUNDED: 1935****DEGREES OFFERED: B.A., M.A., Ph.D.****GRANTED 10/12-9/1/13: 127 Bachelors, 6 masters, 7 Ph.D.****STUDENTS IN RESIDENCE: 228 Majors, 22 Masters, 23 Ph.D.****NOT IN RESIDENCE: 4 Masters, 8 Ph.D.****CHAIR: Lucy Jarosz****DEPARTMENT ADMINISTRATOR: Sharon Frucci**

FOR FURTHER INFORMATION CONTACT: Richard Roth, Director of Counseling and Academic Services, 415 B Smith Hall, Department of Geography, Box 353550, University of Washington, Seattle, Washington 98195. Telephone (206) 543-3246. Fax (206) 543-3313. E-mail: rroth@u.washington.edu. Comprehensive information on the department is available at: <http://depts.washington.edu/geog/>. Information about our Professional Master's Program in Geographic information Systems and Sustainability Management is available through the website, <http://www.outreach.washington.edu/pmpgis>

PROGRAMS AND RESEARCH FACILITIES:

Undergraduate Studies: The undergraduate instructional program in Geography is organized around the faculty's research specialties and teaching expertise in areas ranging from urban and regional studies to global studies (see the Graduate section, below). However, students are encouraged to formulate their own field of specialization. Students are required to obtain a minimum of 60 credits in geography, out of the total university graduation requirements of 180 credits. The requirements include courses in research methods and research design and are structured through thematic concentrations in Cities, Citizenship & Migration, Environment, Economy & Sustainability, GIS, Mapping and Society and Globalization, Health & Development. An internship outside the University and the writing of a senior essay are encouraged. Students must maintain an overall GPA of 2.0 and a cumulative 2.5 (and a 2.0 in individual courses) for coursework taken to fulfill requirements for their major in geography. The department also offers an Honors Program for students who are invited to join on the basis of their past academic performance and future potential.

Graduate Studies: We offer both an MA and PhD in Geography, as well as a Professional Master's Program in Geographic Information Systems and Sustainability Management. <http://www.outreach.washington.edu/pmpgis/>. Our MA and PhD programs are fashioned at the intersection of several broad research specialties. Following the work of the faculty, graduate students are encouraged to think outside the box of any particular 'adjectival' subfield of human geography. Nevertheless, our programs draw on expertise in the following key areas:

Critical Development and Global Health: Integrated program of study addressing political-economic, social, environmental, and global health dimensions of development in both urban and rural realms. Students may specialize in the Americas, Africa, China, Russia, South Asia, or on the challenges facing poor communities in rich countries. Students study theoretical perspectives and case study materials addressing the ways in which political, economic and social processes relate to the geographical dynamics shaping development and health, including the intersections of these processes with gender, sexuality, ethnic and race relations, and class structures. They also examine the health effects and environmental consequences of development, and the developmental experiences of inequality, dispossession and exploitation that account for poor health outcomes.

Economic Geography: Particular concentrations include: globalization, neoliberalism, regional economic development and underdevelopment, with an emphasis on North America, Latin America, Russia, East Asia; cross-border regionalism; location theory; labor markets; labor migration (including migrant worker mistreatment and rights); resource distribution; technological change; the relationship between geoeconomics and geopolitics; and the economic lessons of the global justice movement.

Geographic Information Systems: Concepts, techniques and software/hardware tools involved in computer-assisted cartography and geographic information system design, use and social meaning. Particular emphasis is on participatory and critical GIS, analytical methods and their use in practical circumstances, including recent innovations in Web 2.0 and neo-geo mapping online. Research may include analytical cartography, geographic information representation, map error analysis, social construction of GIS technology, spatial database design, data management approaches and systems configurations, urban applications, geographic knowledge structures, transportation, environmental analysis, natural resources, user cognition and user interface design, sustainability science, spatial model coupling to GIS, and collaborative spatial decision making.

Society and Environment: Examination, analysis and interpretation of the complex inter-relationships between social dynamics and environments. The areas of focus include cultural and political ecology, health and the environment, global environmental modeling and GIS methods and applications. Research themes primarily involve questions of scale in analyzing social and environmental change at the local, regional, and global levels, and on analyzing, understanding and explaining the interactions among ecological processes, environmental transformation, and social processes and transformations in affluent and impoverished societies. Related aspects of medical geography include such topics as the ties between global environmental change and the (re)emergence and spread of contagious disease, as well as how political, social, environmental, and biological factors come together to both create and structure health vulnerability and risk management.

Urban, Social and Political Geography: Emphasis is on both the theory and empirical investigation of the geography of power, the biopolitics and governance of population and movement, both in terms of global relations and local patterns of policing and social activism. Particular emphasis is given to the relation of social, political and economic structure to spatial organization and social justice, and on issues of race, gender, sexuality, ethnicity, inequality, health and disease, policing, power and social justice as they have been theorized in critical social theories. Attention is also paid to how political-economic geographies combine in relations of dominance, governance and resistance at a range of scales, from the urban to the regional to the transnational.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: Quarter system. University of Washington admits undergraduate students on the basis of scholastic standing, admission test scores, and adequacy of preparation for University study while in

high school or another collegiate institution. Neither the College of Arts and Sciences nor the Department of Geography have separate admissions requirements, but both have graduation requirements. (Please request further information from the Office of Admissions, Box 351280, University of Washington, Seattle, Washington 98195).

Graduate: Quarter system. The departmental curriculum is flexible, and programs of study are individually arranged to suit the needs of the students. There are two options in the M.A. program: 1) Thesis option: thesis may be devoted to a single topic or may be composed of several high quality research papers; 2) Two-paper option: Students submit two publishable papers on related topics. Admission is competitive and requires a minimum grade point average of B (3.0 on a 4.0 scale) with average incoming GPAs usually much higher. Applicants must take the GRE.

Priority admission submission deadline: December 15. Information on the graduate program may be obtained by accessing our web site: <http://depts.washington.edu/geog/admissions/>

Note: The PMP-GIS program is administered through UW Educational Outreach, and has separate, stand-alone admissions: <http://www.outreach.washington.edu/pmpgis/Admissions>

FACULTY:

Luke Bergmann, Ph.D. 2012, Minnesota, Assistant Professor — Nature-Society relations; political economy; globalization; complexity; critical GIS and geovisualization; China
Christine Biermann, Ph.D. 2014, Ohio State University, Assistant Professor — political ecology, biodiversity conservation, nature and race, critical physical geography
Michael Brown, Ph.D., British Columbia, 1994, Professor — urban, political and health geography, sexuality, urban politics, political theory
Kam Wing Chan, Ph.D., Toronto, 1988, Professor — urban and economic development, migration, labor markets, China
Mark Ellis, Ph.D., Indiana, 1988, Professor — immigration, internal migration, race and ethnicity, labor markets
Sarah Elwood, Ph.D. Minnesota, 2000, Associate Professor — critical GIS, urban geography, qualitative and participatory research methods
Kim England, Ph.D., Ohio State, 1988, Professor — urban, social, political and feminist geographies, work and employment, care work, the home, critical social policy, social and feminist theories
Steve Herbert, Ph.D., UCLA, 1995, Professor — political geography, law and law enforcement, environmental regulation, qualitative methods
Lucy Jarosz, Ph.D., UC, Berkeley, 1990, Professor and Chair — the political ecology of agriculture; critical food studies; hunger and poverty; Marxist, post-colonial, and feminist theory; qualitative methodology, North America
Victoria A. Lawson, Ph.D., Ohio State, 1986, Professor — critical development studies, relational poverty studies, the Americas, Marxist, feminist and post-colonial theory
Jonathan D. Mayer, Ph.D., Michigan, 1977, Professor, Dept. of Epidemiology; Adjunct Professor, Dept. of Medicine, Division of Infectious Diseases; Dept. of Family Medicine, Dept of Health Services; Clinical Faculty, Travel/Tropical Medicine, UW Medical Center; International Health Program, Co-Director, Undergraduate Program in Public Health — global health; medical geography (infectious diseases and society, disease ecology; health care delivery), HIV, especially in sub Saharan Africa; HIV, gender and poverty; health policy; “slum health” in Africa; infectious disease epidemiology; genetic and molecular epidemiology; cardiovascular epidemiology; social determinants of health and social epidemiology; tropical medicine and clinical applications of medical geography; public health and global health in the undergraduate curriculum

Katharyne Mitchell, Ph.D., UC, Berkeley, 1993, Professor — urban, comparative studies of migration, education and philosophies of immigrant education, social theory, Europe and Pacific Rim

Timothy L. Nyerges, Ph.D., Ohio State, 1980, Professor — geographic information systems, spatial decision support systems and group decision making, transportation and environmental analysis using GIS, GIS and coastal resource management, human-computer interaction and spatial cognition

Matthew Sparke, Ph.D., British Columbia, 1996, Professor, Jackson School of International Studies, Adjunct Professor, Global Health — globalization, global health, political and economic geography, social theory including post-colonial, Marxist, feminist and anti-racist theory

Suzanne Davies Withers, Ph.D., UCLA, 1992, Associate Professor — population geography and spatial demography, longitudinal and quantitative methods, residential mobility & migration, urban housing, and property rights

Megan Ybarra, Ph.D., UC, Berkeley, 2010, Assistant Professor — nature-society relations; postcolonial theory; political ecology; transnational migrations; Latin America

EMERITI FACULTY:

William B. Beyers, Ph.D., Washington, 1967, Professor Emeritus — regional science, economic geography, geography of producer services, regional analysis, geography of the Pacific Northwest

Richard L. Morrill, Ph.D., Washington, 1959, Professor Emeritus — spatial organization, migration, diffusion and population, regional planning and development, inequality

Craig Zumbunnen, Ph.D., UC, Berkeley, 1973, Professor, Emeritus — Russian, East European and Central Asia Studies Program, and Middle East Studies Program, Jackson School of International Studies and core faculty Urban Ecology

AFFILIATED AND ADJUNCT FACULTY:

Christian Anderson, Adjunct Associate Professor (also School of Interdisciplinary Arts and Sciences, University of Washington Bothell) — how everyday practices intersect with broader political-economic and cultural processes such as globalization and gentrification in cities, inequality, structural violence, social justice

Kathleen Braden, Affiliate Professor (also Department of Geography, Seattle Pacific University) — Russian studies, resources and technology

Richard Conway, Affiliate Professor — regional economic modeling
Maria Elena Garcia, Adjunct Associate Professor (also Associate Professor and Director, Comparative History of Ideas) — Indigenous politics and multicultural activism in Peru, indigeneity and interspecies politics in the Andes, the cultural politics of contemporary Peru in relation to food, Indigeneity and violence.

Ben Gardner, Affiliate Assistant Professor (also University of Washington, Bothell) — the cultural politics of the environment, political economy of development, the post-colonial state, Africa

Michael Goodchild, Affiliate Professor (also Professor Emeritus and Research Professor, University of California Santa Barbara) — geographic information science, spatial analysis, and uncertainty in geographic data

Jin-Kyu Jung, Adjunct Assistant Professor (also School of Interdisciplinary Arts and Sciences, University of Washington Bothell) — qualitative GIS and qualitative geovisualization, urban geography, race, class and gender in power relations in cities, mixed methods research approaches

Lawrence M. Knopp, Adjunct Professor (also, Interdisciplinary Arts and Sciences, University of Washington, Tacoma) — sexuality and space; feminisms; political and cultural geographies; urban and rural regional studies

Lucero, Jose Antonio, Adjunct Associate Professor (also Associate Professor, Henry M. Jackson School of International Studies and Chair, Latin American and Caribbean Studies) — Indigenous politics, borderlands, social movements, comparative politics, Latin American Politics, Politics of Race and Ethnicity, Development, Political and Social Theory

Santiago Lopez, Adjunct Assistant Professor (also School of Interdisciplinary Arts and Sciences, University of Washington Bothell) — GIS, social theory, nature-society relations, Latin America

WESTERN WASHINGTON UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL STUDIES – GEOGRAPHY PROGRAM

DATE FOUNDED: 1952

GRADUATE PROGRAM FOUNDED: 1964

**DEGREES OFFERED: B.A. in Geography, M.A. in
Environmental Studies, optional Geography emphasis**

MAJORS: 137

CHAIR: Debnath Mookherjee

ADMINISTRATIVE MANAGER: Diane Knutson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Diane Knutson, Department of Environmental Studies, Western Washington University, MS-9085, Bellingham, Washington 98225-9085. Telephone (360) 650-3277. Fax (360) 650-7702, E-mail: mailto:diane.knutson@wwu.edu

Internet: <http://www.wwu.edu/huxley/estu/>

PROGRAMS:

UNDERGRADUATE: The Geography B.A. program is primarily an upper division major. Students spend their first two years completing General University Requirements, and Huxley College of the Environment core courses. Geography majors then take a common set of core classes that provide background skills and concepts, and choose their specialization through selection of elective courses.

GRADUATE: Graduate students have the option of focusing the M.A. Environmental Studies degree upon geographical theories, methods, and topics. Following a series of two common core courses, students in this program collaborate closely with a faculty advisor to shape an appropriate program of study.

CURRENT FACULTY AND STAFF:

Troy Abel, Ph.D., George Mason University, 1998, Associate Professor — environmental policy, civic environmentalism, environmental justice, globalization and the environment

Andrew J. Bach, Ph.D., Arizona State, 1995, Associate Professor — physical and environmental geography, glacial and soils geomorphology, climate change and quaternary history, geoarcheology

Gigi Berardi, Ph.D., Cornell, 1979, Professor — cultural geography, environmental history, tribal and natural resources management, Alaska

Patrick H. Buckley, Ph.D., Boston, 1988, Professor — quality of life in a global economy, environmental entrepreneurship, cross border regions, quantitative and optimization techniques, Delphi modeling, regional focus: Japan, Canada, and Pacific Rim

Aquila Flower, Ph.D., University of Oregon, 2013, Assistant Professor — climatic variability, human land use patterns, natural disturbances in shaping forest ecosystem dynamics

Stefan Freelan, M.S., Western Washington University, 2003, GIS Specialist

Michael J. Medler, Ph.D., University of Arizona, 1997, Associate Professor — GIS and remote sensing, landscape ecology, biogeography, natural resources management and policy

Jean O. Melious, J.D., Harvard, 1984 Professor Emeritus — environmental policy and environmental law

John C. Miles, Ph.D., Union Institute, 1979, Professor — environmental education and history, outdoor education

Scott B. Miles, Ph.D., University of Washington, 2007, Associate Professor — geography, civil and environmental engineering, GIS geographical information systems

Debnath Mookherjee, Ph.D., Florida, 1961, Professor Emeritus — comparative urbanization, regional development and planning, South Asia

O. Eugene Myers, Ph.D., University of Chicago 1995, Professor — human ecology, human development, environmental education

David A. Rossiter, Ph.D., York University, 2005, Associate Professor — Cultural-historical geography, political ecology, Canada

Paul Stangl, Ph.D., University of Texas at Austin, 2001, Associate Professor — Urban, political, cultural, and European geography

Thomas A. Terich, Ph.D., Oregon State, 1973, Professor Emeritus — physical geography, coastal management, natural hazards

Wendy Walker, M.S., Florida State, 1976, Senior Instructor — education, interpretation, curriculum

Grace Wang, Ph.D., University of Minnesota 1997, Associate Professor — natural resource policy, multicultural perspectives, resource management

Nicholas Zaferatos, Ph.D., Washington, 1996, Associate Professor — environmental planning, tribal planning

WEST VIRGINIA

CONCORD UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1955

DEGREES OFFERED: B.A. in Geography

GRANTED 9/1/12-8/31/13: 18 Bachelors

MAJORS: 40

CHAIR: Joseph T. Manzo

**DEPARTMENT ADMINISTRATIVE ASST: Donna L.
Roberts**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Thomas Saladyga, Department of Geography, Concord University, Athens, West Virginia 24712-1000. Telephone (304) 384-6040. Fax (304) 384-6091.

E-mail: saladygat@concord.edu.

Internet: <https://sites.google.com/site/concordgeog>

PROGRAMS AND RESEARCH FACILITIES:

Concord University is a state supported institution of higher education with an enrollment of just over 2,800 students. Concord offers the Bachelors of Arts degree in Geography. Students completing the B.A. in Geography may supplement their degree with an Area of Emphasis in Cartography and GIS or an Area of Emphasis in Pre-Environmental Law. In addition to classroom coursework, students are provided with opportunities to complete professional internships, conduct independent research projects, and attend academic conferences. The Department operates the R.T. Hill Spatial Analysis Laboratory which is equipped with digital hardware and software for teaching and research across the discipline. Concord is the host institution for the West Virginia Geographic Alliance.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Concord University operates under the semester system, with two five-week summer terms. Basic admission criteria require students to have an overall high school grade point average of at least 2.00 or better. Students must take either the ACT or SAT to complete admission consideration requirements. Grants, loans, part-time employment and scholarships are available for eligible students. April 15 is the deadline for priority consideration.

FACULTY:

Joseph T. Manzo, Ph.D., Kansas, 1978 — Cultural/Historical, Geography Education
Thomas Saladyga, Ph.D., West Virginia University, 2011 — Biogeography, Sustainability Studies
Shimantini Shome, Ph.D., Kansas, 2011 — Africa, Human Geography, Urban

ASSOCIATED FACULTY IN GEOLOGY:

Joseph L. Allen, Ph.D., Kentucky, 1994 — Tectonics, Field Geology, Sedimentary Geology

ADJUNCT FACULTY:

Sherri Mitchem, M.Ed., 2011, Concord University
Linda Poff, M.A., Salem International University, 1999; M.Ed., Concord University, 2004 — Cultural/Historical, Physical
Todd Sink, Ph.D., Indiana State University, 2011 — Economic Geography, Geographic Information Systems

MARSHALL UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1911

GRADUATE PROGRAM FOUNDED: 1948

DEGREES OFFERED: B.A., B.S., M.A., AND M.S.

GEOGRAPHY CHAIR: Joshua Hagen

DEPT. ADMIN. SECRETARY SENIOR: Kristine Standifur

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Joshua Hagen, Chair, Department of Geography, Marshall University, Harris Hall 205, One John Marshall Drive, Huntington, WV 25755. Telephone: (304) 696-2505. Fax (304) 696-2506, or (304) 696-4364. Email: hagenj@marshall.edu or geograph@marshall.edu. Internet: www.marshall.edu/geography/.

PROGRAMS AND RESEARCH FACILITIES:

The Department of Geography offers two degree tracks for both undergraduate and graduate students. Students who choose the B.S. and M.S. tracks focus on a science-based curriculum, minor in a related science, and follow a curriculum involving physical geography, conservation, and environmental planning. Students who enroll in the B.A. and M.A. tracks will concentrate on a sequence of courses in human and regional geography. The program is flexible and accommodates a broad spectrum of geographic study while permitting considerable specialization, even at the undergraduate level.

The Department of Geography offers access to modern technology as well as traditional practices in the discipline. The department houses a large Map Library, a well-equipped Physical Geography Laboratory, and a GIS Laboratory with state-of-the-art facilities.

Field work and real-world experience form an integral element of Geographic education at Marshall University. Student preparation for further academic study or entry into the job market includes participation in field research, internships or contact employment. Marshall University's students benefit from Huntington's relative location in the Ohio Valley near major urban and industrial development and amidst some of the Earth's most varied physical and

culture geography. Graduates of the Department of Geography include urban and regional planners, cartographers, environmental specialists, tourism professionals, teachers, and economic development advisors.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Marshall University operates on the semester system and offers two five-week summer sessions. Graduate students may qualify for departmental Teaching Assistantships that include stipends and tuition waivers. For undergraduate students, Internships and Independent Study options are available. Graduate as well as undergraduate students may participate in faculty research projects.

FACULTY:

Godwin Djietror, Ph.D., McMaster University, 2003 — Medical Geography
Joshua Hagen, Ph.D., University of Wisconsin-Madison, 2003 — Political, Europe
Kevin Law, Ph.D., The Ohio State University, 2006 — Atmospheric Science
James M. Leonard, Ph.D., University of Cincinnati, 2001 — Economic/Industrial, GIS, Historical
Anita Walz, Ph.D., University of Maryland, 2002 — Environmental Studies, GIS

WEST VIRGINIA UNIVERSITY

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

DATE FOUNDED: 1877

DEGREES OFFERED: B.A., M.A., AND Ph.D.

GEOGRAPHY CHAIR: Brent McCusker

DEPT. ADMIN.: SECRETARY SENIOR: Donna Titus

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Brent McCusker, Associate Chair for Geography, 98 Beechurst Ave, Room 330, West Virginia University, Morgantown, WV 26506. Telephone: (304) 293-4025. Fax: (304) 293-6522. E-Mail: brent.mccusker@mail.wvu.edu. Web: <http://geography.wvu.edu>.

PROGRAMS AND RESEARCH FACILITIES:

The Geography Program within the Department of Geology and Geography offers degrees undergraduate and graduate students. At the undergraduate level, the program offers a B.A. with concentrations in Globalization and Development, Geographic Information Science (GISci), and Natural Resources and Environment. Certificates of specialization are available for Globalization and Development and GISci. At the graduate level, the program offers two advanced degrees: the Master of Arts in Geography and the Doctor of Philosophy in Geography. The Program has three major research focus areas: Environmental Geography, Human Geography, and Geographic Information Science. The program is supported by 14 tenure track faculty, three Professor Post-Doctoral Fellows/Clinical Professor Fellows, and active Professor Emeriti. Being part of the Department of Geology and Geography, students can also draw upon the expertise of an equally well resourced and attentive 17 Geology faculty with expertise not only in deep geology but also in geomorphology, surficial processes, Karst landscapes, and hydrology.

The Department has excellent facilities in a newly renovated Brooks Hall on WVU's Downtown Campus. Students have access to five teaching computer laboratories with over 125 machines. Support is provided for the most geographic software. In addition, graduate students have access to their major advisor's research lab. Each faculty member in geography has his or her own 650ft. research lab to facilitate the university's strong emphasis on research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

West Virginia University has a traditional two-semester system with flexible summer session courses. At the undergraduate level, the program includes on-line courses in addition to in-theatre lectures. The program offers a variety of small, merit-based fellowships for undergraduates and teaching and research assistantships for M.A. and Ph.D. students. More information on admission requirements, courses, and faculty research can be found on the program web page.

FACULTY:

Jamison Conley, Ph.D., Pennsylvania State — geographic information science, geocomputation, medical geography
Karen Culcasi, Ph.D., Syracuse — geopolitics, Middle-East, critical cartography
Gregory Elmes, Ph.D., Pennsylvania State — geographic information science, spatial analysis, energy, regional development, medical geography
Trevor Harris, Ph.D., Hull, England — GIS, GIS and society, geoarchaeology, environmental impact assessment, historical geography
Amy E. Hessl, Ph.D., Arizona — biogeography, forest ecosystems, dendrochronology
Randall Jackson, Ph.D., Illinois-Urbana — anregional science and economic geography
Steven Kite, Ph.D., Wisconsin — geomorphology quaternary stratigraphy, glacial and fluvial geomorphology, geoarcheology, environmental management
Eungul Lee, Ph.D., Colorado — biosphere and atmosphere interactions
Brent McCusker, Ph.D., Michigan State — development, political ecology, Africa
Brenden McNeil, Ph.D., Syracuse — GIS, remote sensing, ecosystem ecology
Ann Oberhauser, Ph.D., Clark — development, gender geography, political economy, Southern Africa, Appalachia
Tim Warner, Ph.D., Purdue — remote sensing
Bradley Wilson, Ph.D., Rutgers — human geography, resource conflict, social movements

WISCONSIN

UNIVERSITY OF WISCONSIN- EAU CLAIRE

DEPARTMENT OF GEOGRAPHY AND ANTHROPOLOGY

DATE FOUNDED: 1947

DEGREES OFFERED: B.A., B.S.

GRANTED 9/13-5/14: 38 Bachelors

MAJORS: 102

CHAIR: Paul Kaldjian

**DEPARTMENT ADMINISTRATIVE ASST: Yvonne
Plomedahl**

**GEOSPATIAL TECHNOLOGY FACILITATOR: Martin
Goettl**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Paul Kaldjian, Chair, Department of Geography and Anthropology, University of Wisconsin-Eau Claire, Eau Claire, Wisconsin 54702-4004. Telephone (715) 836-3244 Fax (715) 836-6027.E-mail: kaldjian@uwec.edu.

Internet: www.uwec.edu/geography/index.htm.

PROGRAMS AND RESEARCH FACILITIES: The University of Wisconsin-Eau Claire is the largest undergraduate campus in the state with 11,000 students and 796 faculty and academic staff. The Department of Geography and Anthropology offers a geography liberal arts major, requiring a minimum of 36 credits in geography, and two comprehensive geography majors (environmental and international), and a geospatial certificate program. Geography majors are encouraged to earn credits through community internships, participate in field experiences, and to take advantage of opportunities for collaborative research with faculty. The department also offers a liberal arts minor in Anthropology and actively affiliates with a wide range of units and programs across campus, including Women's Studies, American Indian Studies, Latin American Studies, Hmong Studies, Sustainability, the Watershed Institute, and the Council for Internationalization and Global Engagement. Facilities include cartography, GIS, remote sensing, and spatial analysis labs equipped with 60 high-end desktop computers. The department is fully networked and has a full suite of ESRI GIS products. UWEC Bugold funding allows our majors and minors to do summer research projects with faculty, present research at regional and national meetings, and enables students to participate in field seminars and international study programs. The department's newly established Simpson fund provides additional support for programming, professional development, research, high-impact practices and student engagement.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Contact the Office of Admissions for application forms and the Financial Aid Office for information on financial aid. Most geography majors are eligible for financial aid and work in the department's laboratories and with individual faculty members on research projects.

FULL AND PART-TIME FACULTY:

Ari Anand, Ph.D., Arizona, 2008, Assistant Professor — cultural anthropology, language in culture and society, religion, social theory
Robert Barth, Ph.D., Illinois, 1982, Associate Professor — physical anthropology, archaeology, prehistory of northeastern U.S.
Jeff DeGrave, ABD, current, University of Minnesota, Lecturer — human, Latin America, Russia and Eastern Europe
Douglas Faulkner, Ph.D., Wisconsin, 1994, Associate Professor — environmental, physical, geomorphology, fluvial
Sean Hartnett, Ph.D., Wisconsin, 1989, Professor — cartography, computer graphics, historical
Christina Hupy, Ph.D., Michigan State, 2006, Associate Professor — biogeography, GIS, remote sensing
Joseph Hupy, Ph.D., Michigan State, 2005, Associate Professor — physical, military geography, human-environment
Harry Jol, Ph.D., University of Calgary, 1993, Professor — geomorphology, physical, geoarchaeology, ground penetrating radar, coastal
Paul Kaldjian, Ph.D., Arizona, 2000, Associate Professor — human, food, Middle East and North Africa
Garry Running, Ph.D., Wisconsin, 1997, Professor — geomorphology, soils, physical, environmental
B. Jill Smith, Ph.D., Wisconsin, 1983, Senior Lecturer — cultural anthropology
Daniel Strouthes, Ph.D., Yale, 1994, Assistant Professor — cultural anthropology, North American Indians, anthropology law
Ingolf Vogeler, Ph.D., Minnesota, 1972, Professor — rural, underdevelopment, United States, Third World
Ryan Weichelt, Ph.D., Nebraska, 2008, Assistant Professor — human, quantitative methods, urban, economic, political, conservation
Cyril Wilson, Ph.D., Indiana State, 2011, Assistant Professor — human-environment, agent-based modeling, geospatial hydrology, remote sensing, land use and land cover dynamics, GIS
Ezra Zeitler, Ph.D., Nebraska, 2008, Associate Professor — human, North America, Wisconsin, indigenous, race and ethnicity, tourism, geographic education

UNIVERSITY OF WISCONSIN-LA CROSSE

DEPARTMENT OF GEOGRAPHY AND EARTH SCIENCE

DATE FOUNDED: 1909

**DEGREES OFFERED: B.A., B.S. in Geography
(Concentrations in GIS and Environmental
Science). Minors in Geography, Earth Science,
Geoarchaeology, and GIS**

GRANTED 8/1/12-5/31/13: Bachelors 12

MAJORS: 75

CHAIR: Cynthia Berlin

DEPARTMENT ADMINISTRATIVE

ASSISTANT: Karen Ott

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography and Earth Science, UW-La Crosse, La Crosse, Wisconsin 54601. Telephone (608) 785-8333 Fax (608) 785-8332. Email: geoeath@uwlax.edu Website: <http://www.uwlax.edu/geography>

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography and Earth Science at the University of Wisconsin – La Crosse is dedicated to advancing the academic knowledge of students through teaching and scholarship within established paradigms of cultural and physical geography, and through the acquisition of techniques for studying local, regional and global geographic phenomena. The department is dedicated to the integration of technology into the full scope of the curriculum, to providing hands-on student-oriented learning and to giving each student meaningful research and field experiences. The department provides its students with the intellectual foundation and acquisition of skills for success in both post-graduation employment and graduate study. It has well-equipped physical geography laboratories and a soil laboratory. Two GIS laboratories provide space, equipment, and a broad range of software programs for instruction in cartography, remote sensing, GIS, and field methods. Our internship program places students with various local, state, and federal government agencies which include the National Weather Service, the Mississippi River Regional Planning Commission, and the USGS Upper Midwest Environmental Science Center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester system. An application for admission and financial aid information may be obtained on-line at www.uwlax.edu or by writing to the Admissions Office or Financial Aid Office, University of Wisconsin – La Crosse, 1725 State Street, La Crosse, Wisconsin 54601.

FACULTY:

Rafique Ahmed, Ph.D., Ohio State, 1985, Professor — Climate, South Asia, Conservation, Environments
Colin Belby, Ph.D., University of Wisconsin-Madison, 2009, Assistant Professor — Water Resources, Fluvial Geomorphology, Upper Mississippi River
Cynthia J. Berlin, Ph.D., Indiana State, 1998, Professor — Remote Sensing, GIS, Conservation
Joan Bunbury, Ph.D., University of Ottawa, 2009, Assistant Professor — Paleoclimatology, Biogeography, and Freshwater Environments
Gargi Chaudhuri, Ph.D., University of California-Santa Barbara, 2011, Assistant Professor — GIS, Land Use Cover Change, Transportation

Georges Cravins, Ph.D., Clark, 1988, Professor — Global Strategic Study, Economic Development and Geography, World Cultures, Populations

Ian Muehlenhaus, Ph.D., Minnesota, 2010, Assistant Professor — Cartography, Geopolitics, Europe

Ryan Perroy, Ph.D., University of California-Santa Barbara, 2009, Assistant Professor — Land Degradation, Remote Sensing, and Soil Science

Paul Reyerson, Ph.D., University of Wisconsin-Madison, 2012, Assistant Professor — Geomorphology, Soil Science

Daniel Sambu, Ph.D., University of Oklahoma, 2011, Assistant Professor — Geographic Education, Environments, World Cultures, Water Resources

Rachel Slocum, Ph.D., Clark, 2001, Assistant Professor — Cultural, Race, and Feminist Geography, Food Studies

EMERITUS:

Mehmet Arıtan, Ph.D., Kentucky, 1983, Assistant Professor Emeritus

Gregory Chu, Ph.D., Hawaii, 1986, Professor Emeritus

John Hoefler, M.S., Wisconsin, 1959, Assistant Professor Emeritus

Virgil Holder, Ph.D., Minnesota, 1976, Professor Emeritus

Paul Stoelting, Ph.D., UW-Milwaukee, 1978, Associate Professor Emeritus

Dean Wilder, Ph.D., Colorado, 1977, Professor Emeritus

Robert Wingate, Ph.D., Minnesota, 1975, Professor Emeritus

UNIVERSITY OF WISCONSIN- MILWAUKEE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1956

GRADUATE PROGRAM FOUNDED: 1963

DEGREES OFFERED: B.A., B.S., M.A., M.S.,

**Coordinated M.A./M.L.I.S. Degree in Geography and
Information Science, Ph.D.**

**GRANTED 9/1/12-8/31/13: 35 Bachelors, 5 Masters, 2
Ph.D.**

**STUDENTS IN RESIDENCE: 61 Majors, 11 Masters, 13
Ph.D.**

CHAIR: Changshan Wu

**DEPARTMENT ADMINISTRATIVE ASST: Niko
Papakis**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Graduate Administrative Committee, Department of Geography, University of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, Wisconsin 53201. Telephone (414) 229-4866. Fax (414) 229-3981. E-mail: rgrose@uwm.edu. Internet: www.geography.uwm.edu.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers bachelors, masters, and doctoral programs of study across a range of systematic, regional, and technical fields, with innovative energy in the doctoral program for studying urban environments. The department's overall strengths are aligned along three major axes, each responsive to areas with strong demand for new professionals:

Urban Environments: This area emphasizes the spatial interactions of economic systems as well as political, social, cultural, environmental, technological, and other forces that influence the people, identities, landscape, development, and dynamics of urban areas. With the world's population becoming increasingly urbanized and globalized, courses examine the continuing challenges of urban growth and change, race, ethnicity, and gender in the city, immigration and

identity politics, and spatial aspects of urban planning processes and political decision-making.

Physical Geography and Environmental Studies: This area addresses the interactions among natural forms and processes on the earth's surface, the impact and implications of global climate change, and human connections with those natural phenomena. Courses discuss and analyze the distribution and processes of earth surface landforms (geomorphology), soils (pedology), plants and animals (biogeography), water (hydrology), and long-term atmospheric conditions (climatology). Overlapping emphases include conservation, natural hazards, water resources, natural resource scarcity, and the mounting challenges of global environmental change.

Geographic Information Science (GIS): This area emphasizes using geospatial technology to further understanding of spatial interactions among natural and social forces at multiple scales across the Earth's surface, and exploring the impacts of using such technology on social and cultural interactions. Courses examine geographic information collection (including remote sensing), data analysis and geocomputation (spatial analysis), information presentation (cartography), and societal implications. Our program emphasizes applications of GIS in urban, regional, and environmental planning, policy making, and public health.

In addition to these strengths, individual faculty members have varied international interests and experience, for example, in North America, Asia, Latin America and the Caribbean, and Europe.

While the bachelor's and master's programs offer a more traditional structure within which students can strengthen their knowledge of the discipline and one or more of its subfields, the department's unique Ph.D. program is designed to be especially attractive to forward-looking students interested in urban environments who seek a flexible, versatile, 21st century graduate education with a strong emphasis on interdisciplinarity. The Ph.D. program's urban-environmental theme is inclusive and encompassing of processes and problems associated with the intersection of human and natural environments, strongly focused on "the city" as the entity of engagement. The program breaks with longstanding traditions in the field of geography by stressing a balance between specialized analytical research and synthetic research, between traditional academic research and community engagement, and between research and teaching. It relies heavily on GIS as a research tool and as an organizing framework.

Present teaching and research facilities associated with the Department include its large James John Flannery, Sr. Map Collection, which is now a part of the AGS Library (see below); the independently administered Cartography and Geographic Information Science Center; and a Soils and Physical Geography Laboratory. PC computer facilities used by the Geography Department for instruction include Windows workstation labs (with digitizers, plotter, and printers). Software installed in these labs includes Geographic Information Systems, Remote Sensing, Mapping, Illustration, Photo Editing, Desktop Publishing, Statistical, Database Management, and Word Processing packages. Multiple university servers, other general access PC computer laboratories, and multimedia facilities are also available for student use. Other research resources at UWM available to the Geography Department staff and students include the School of Freshwater Science, the School of Public Health, the Center for Urban Initiatives and Research, the Center for Latin American and Caribbean Studies, the Center for International Education, the Center for Urban Transportation Studies, the Center for Women's Studies, the Institute for Survey and Policy Research, and University Information Technology Services. The University of Wisconsin-Milwaukee is also the home of the American Geographical Society Library. This multi-million dollar facility is housed in the Golda Meir Library. It contains about 450,000 maps, 200,000 volumes, 200,000 LANDSAT images, 160,000 photographs, 35,000 pamphlets, 7,600 atlases, 70 globes, digital maps and satellite imagery, and the AAG Archives.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Entrance and general requirements for the *Undergraduate Program:* Students must meet with the department's undergraduate advisor to declare geography as a major. All majors must complete the 24-25 credit core curriculum and the additional requirements as defined in one of the 5 tracks: 1) geographic information, 2) urban, 3) environmental, 4) physical systems, or 5) globalization and development. Geography majors may earn either a Bachelor of Arts or Bachelor of Science degree. The physical systems Track is recommended for Bachelor of Science students. In satisfying their major requirements, all students must complete at least 37 credits in geography, 18 of which must be at or above the 300 level, with at least 15 of those taken in residence at UWM. Courses taken outside geography that fulfill geography requirements will be included in the GPA. Majors must have a 2.5 GPA in all geography credits attempted at UWM. In addition, students must attain a 2.5 GPA in all major credits attempted, including any transfer work.

Entrance and general requirements for the Graduate Program: A Bachelors degree is required for admission to the Masters program; a Masters degree is usually required for admission to the Doctoral program. If previous training was not in geography, students may be required to complete courses to eliminate deficiencies. Applicants must have a minimum grade point average in all academic subjects of 2.75 (on a 4.0 scale) and acceptable scores on the Graduate Record Entrance Exam (G.R.E.). Three current letters of recommendation, preferably from academic referees, must be sent directly to the Geography Department. Specific course requirements for both the Masters and PhD can be obtained from the department. The minimum degree requirements for the Masters degree are 30 graduate credits with an average GPA of 3.0 and satisfactory completion of a master's thesis or non-thesis option. The minimum degree requirements for the PhD are 54 graduate credits beyond the bachelor's degree, at least 27 of which must be earned in residence with an average GPA of 3.0, and satisfactory completion of a doctoral dissertation.

Financial Aid for Graduate Students: The Department offers a limited number of Teaching Assistantships (33 to 50% appointments), Project Assistantships, and M.J. Read Graduate Fellowships. The TA and PA appointments carry a full tuition waiver. Teaching and Project Assistantships are awarded annually by the Department on a competitive basis, as are University Distinguished Graduate Student Fellowships, Distinguished Dissertation Fellowships, M.J. Read Fellowships, Non-Resident Tuition Remission Scholarships, and Advanced Opportunity Program (A.O.P.) Fellowships. Faculty members holding research grants also award Research and Project Assistantships. Applications for all awards must be made annually. Forms and deadline information are available from the Geography Department. Masters candidates are usually limited to two years of departmental financial support. Students admitted to the Ph.D. program with Master's degrees are usually limited to four years of departmental support. The Cartography and GIS Center hires students on a part-time basis. Internships are also available in the AGS Library and at various agencies locally.

FACULTY:

Kirsten Beyer, Ph.D., Iowa, 2009, Adjunct Assistant Professor — health geography, socio-spatial epidemiology, community engaged research, disease mapping, health inequalities, women's health

Anne Bonds, Ph.D., Washington, 2008, Assistant Professor — political economy, social theory, critical poverty studies, politics of economic development, urban and regional restructuring

Woonsup Choi, Ph.D., Illinois-Urbana, 2005, Assistant Professor — hydroclimatology, human impacts on water resources, hydrological modeling

Michael J. Day, D. Phil., Oxford, 1978, Professor — karst geomorphology, caves, conservation, Caribbean, Southeast Asia

Alison Donnelly, Ph.D., Trinity College, 1998, Visiting Assistant Professor — environmental indicators, climate change, plant and animal phenology, environmental assessment

Glen G. Fredlund, Ph.D., Kansas, 1992, Associate Professor — biogeography, soils, geomorphology

Rina Ghose, Ph.D., Wisconsin-Milwaukee, 1998, Associate Professor — GIS, urban geography, public participation GIS, GIS and society, North America, South Asia

Jonathan M. Hanes, Ph.D., Wisconsin-Milwaukee, 2011, Adjunct Assistant Professor — bioclimatology, plant phenology, vegetation feedbacks to the lower atmosphere, fluxes of energy and mass in forest ecosystems, philosophy of science

Ryan Holifield, Ph.D., Minnesota, 2007, Assistant Professor — environmental geography, environmental justice, science studies and social theory, North America

Anna Mansson-McGinty, Ph.D., Lund, 2002, Associate Professor — gendered geographies, geography of Islam, Scandinavia.

Linda McCarthy, Ph.D., Minnesota, 1997, Associate Professor — urban and regional economic development/planning, globalization, North America, Europe

Frederick E. Nelson, Ph.D., Michigan, 1982, Adjunct Professor — permafrost, periglacial and climatic geomorphology, topoclimatology, spatial analysis, cryosphere, Arctic

Mark D. Schwartz, Ph.D., Kansas, 1985, Distinguished Professor — phenoclimatology, synoptic climatology, remote sensing, plant-climate interactions, climate change

Kristin Sziarto, Ph.D., Minnesota, 2007, Assistant Professor — social movements and spatiality, political geography, population geography

Changshan Wu, Ph.D., Ohio State, 2003, Professor and Chair — GIS, remote sensing, spatial analysis methods, urban, transportation

Zengwang Xu, Ph.D., Texas A&M, 2007, Assistant Professor — GIS, spatial analysis and modeling, complex networks/systems

Hyejin Yoon, Ph.D., Ohio State, 2008, Assistant Professor — economic geography, urban geography, entrepreneurship, regional innovation systems, urban planning, urbanization

EMERITUS FACULTY:

Barbara Z. Borowiecki, Ph.D., Wisconsin, 1962, Professor Emerita

Donn K. Haglund, Ph.D., Pennsylvania, 1958, Professor Emeritus

Ludwig E. Holznier, Dr. Rer. nat., Wurzburg, 1964, Professor Emeritus

Judith T. Kenny, Ph.D., Syracuse, 1990, Associate Professor Emerita

Harold M. Rose, Ph.D., Ohio State, 1960, Distinguished Professor Emeritus

Norman R. Stewart, Ph.D., UCLA, 1963, Associate Professor Emeritus

UNIVERSITY OF WISCONSIN-OSHKOSH

DEPARTMENT OF GEOGRAPHY & URBAN PLANNING

DATE FOUNDED: 1928

DEGREES OFFERED: B.A., B.S.

GRANTED 9/1/12-8/31/13: 24 Bachelors

MAJORS: 54

CHAIR: Colin J. Long

DEPARTMENT ADMINISTRATIVE ASST: Kristy Burg

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Geography, University of Wisconsin-Oshkosh, 800 Algoma Blvd., Oshkosh, Wisconsin 54901-8642. Telephone (920) 424-4105. Fax (920) 424-0292. Internet: <http://www.uwosh.edu/geography>

PROGRAMS AND RESEARCH FACILITIES: The University of Wisconsin Oshkosh has an enrollment of 13,900 students with 640 Faculty and instructional staff located on the banks of the Fox River near Lake Winnebago in southeastern Wisconsin. The Department of Geography and Urban Planning offers a Bachelor of Science and Bachelor of Art degree in geography as well as a minor in geography and a minor in geography for education majors. The Geography program covers all of the major subfields of geography, with introductory and upper level courses in human and physical geography in addition to training in geographic techniques such as Geographic Information Systems and cartography. Department facilities include a GIS laboratory with dedicated computers, printers, plotters, scanners, and digitizers. The GIS laboratory is fully networked and has a full suite of ESRI GIS software as well as ERDAS Imagine, Adobe Illustrator and other software. Students can earn a GIS certificate with the completion of 12 credits of GIS classes and an additional 6 credits of electives. The department also has well equipped spaces for physical geography lab science courses and additional laboratory facilities for faculty and student/faculty collaborative research that includes: a soils lab, an environmental analysis lab, a paleoecology lab, an integrated conservation research lab, and a human geography lab. Majors are required to take a minimum of 48 credit hours, 27 of which are required courses. The remaining 21 credits can be based on a student's interest within the department course offerings. Geography minors are required to take 22 credit hours.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: *Academic Plan:* Semester system. *Admission Requirements:* Director of Admissions, University of Wisconsin-Oshkosh, Oshkosh, Wisconsin 54901. (920) 424-0228. *Financial Aid:* The Financial Aid Office, University of Wisconsin-Oshkosh, Wisconsin 54901. (920) 424-4025.

FACULTY:

Heike C. Alberts, Ph.D., University of Minnesota, 2003, Associate Professor — ethnic geography, population, cultural geography, Europe, Latin America

Elizabeth Barron, Ph.D. Rutgers University, 2010, Assistant Professor — nature-society geography, environmental governance and knowledge, science and technology studies, biogeography, North American resource management

Mark W. Bowen, Ph.D., University of Kansas, 2011, Assistant Professor — soils and stratigraphy, water resources, geomorphology, paleoclimate

Mamadou Y. S. Coulibaly, Ph.D., Southern Illinois University, 2006, Associate Professor — Geographic Information Systems, water resources

John A. Cross, Ph.D., University of Illinois, 1979, Professor — natural hazards, agriculture, United States and Canada

Angela G. Subulwa, Ph.D., University of Kansas, 2009, Associate Professor — refugees, cultural geography, geopolitics, development, Sub-Saharan Africa

Colin J. Long, Ph.D., University of Oregon, 2003, Associate Professor — physical, biogeography, paleoecology, quaternary environments

Edward V. Miller, Ph.D., University of Illinois at Chicago, 2011, Assistant Professor — suburbs and exurbs, gentrification, public participation GIS, urban historical geography, public-private partnership

Kazimierz J. Zaniewski, Ph.D., University of Wisconsin-Milwaukee, 1987, Professor — cartography, population, ethnicity, Europe

ACADEMIC STAFF:

Laura Carnahan, M.S., University of Wisconsin - Milwaukee, 2009, Lecturer — physical geography, atmospheric sciences

UNIVERSITY OF WISCONSIN- PLATTEVILLE

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

DATE FOUNDED: 1959

DEGREES OFFERED: B.A., B.S.

GRANTED 1/1/13-12/31/13: 6 Bachelors

MAJORS: 23

CHAIR: Melissa Gormley

DEPARTMENT ADMINISTRATIVE ASST: Marsha Weaver

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Geography/Geology, 1 University Plaza, Platteville, Wisconsin 53818. Telephone (608) 342-6060.

Internet: www3.uwplatt.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The University of Wisconsin-Platteville is an institution of 8000 students and 400 faculty located in the Driftless Area in southwestern Wisconsin. The Geography Program offers a liberal arts degree, designed to prepare students for graduate training and careers as professional geographers. In addition, minor programs in geography and environmental science are also offered.

In both cultural and physical instruction, the program has two primary emphases: field study and undergraduate research. Field study programs range spatially from local to international, and include annual trips to Japan. The geography program maintains a well-equipped GIS/Cartography lab. In addition, we maintain the TREES Lab (Tree Ring, Earth, and Environmental Science Lab), which is fully equipped to support a wide range of research in physical geography, with an emphasis on soil geomorphology, dendrochronology, and biogeography. The TREES Lab is designed to encourage and support research projects by undergraduates, and is funded primarily through external grants. Additional information about the TREES Lab can be found at <http://www3.uwplatt.edu/trees>. Other physical geography teaching laboratories are well equipped with rock and mineral samples, stream tables and meteorological equipment. The Luther Zellmer Map Library contains a strong collection of a wide assortment of both traditional and digital atlases, maps, and aerial and remote imagery.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Contact the Office of Admissions, University of Wisconsin-Platteville, Platteville, Wisconsin 53818 (608-342-1125) for admission requirements. Financial aid information may be obtained from the Office of Financial Aid, University of Wisconsin-Platteville, Platteville, Wisconsin 53818 (608-342-1836).

FACULTY:

Christopher Bocast, PhD, Wisconsin, 2013, Instructor — world regional geography, freshwater acoustic ecology

L. Lynnette Dornak, PhD, Kansas, 2012, Assistant Professor — biogeography, GIS

Melissa Gormley, PhD, California-Davis, 2006, Associate Professor — Latin America

Michelle Howard, ADB, Idaho, Instructor — remote sensing, physical geography

Lane Johnson, MS, Minnesota, 2013, Research Associate — biogeography

Evan Larson, Ph.D., Minnesota, 2009, Assistant Professor — biogeography, dendrochronology, conservation

H. Todd Stradford, Ph.D., Oklahoma, 1994, Associate Professor — rural geography, physical geography, remote sensing, geographic information systems, China, Japan

James Valiga, MS, 1987, Wisconsin, Instructor — physical geography, remote sensing

Mari A. Vice, Ph.D., Southern Illinois, 1993, Associate Professor — carbonate petrology, stratigraphy

Richard A. Waugh, Ph.D., Wisconsin-Madison, 1995, Professor — cultural geography, environmental geography, Latin America, National Parks

ADJUNCT FACULTY:

Isbister, Dong, Ph.D., Ohio State, 2009, Assistant Professor — gender geography

UNIVERSITY OF WISCONSIN- RIVER FALLS

DEPARTMENT OF GEOGRAPHY AND MAPPING SCIENCES

DATE FOUNDED: 1966

DEGREES OFFERED: B.A., B.S., B.A.S

GRANTED 9/1/13-8/31/14: 12 Bachelors

MAJORS: 35

CHAIR: John Heppen

DEPARTMENT ADMINISTRATIVE ASST: Connie Simpson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography, University of Wisconsin-River Falls, 410 S. 3rd St., River Falls, Wisconsin 54022-5001. Telephone (715) 425-3264. Fax (715) 425-0611 E-mail: john.heppen@uwrf.edu. Internet: www.uwrf.edu/geog.

PROGRAMS AND RESEARCH FACILITIES: The University of Wisconsin-River Falls is a campus of 6000 students located adjacent to the Minneapolis-St. Paul metropolitan area. The Department of Geography offers a major and minor in liberal arts, a certificate in GIS, and a minor in GIS/Cartography. Majors require a minimum of 36 semester credit hours and minors, 21 semester credits. From a wide range of undergraduate courses students may emphasize physical geography, especially weather and climate, cultural/historical geography of North America, or cartography and geographic information systems (GIS). The physical geography program focuses on fieldwork and applied coursework. The GIS/Cartography program is developed from eight cartography and GIS courses offered within the department, as well as from courses in general engineering, environmental science, computer information systems, and art. Advanced students often are employed through internships with local agencies and corporations. A GIS lab is supported by the department. This facility is fully integrated into the curriculum and received a major upgrade summer 2013. Equipment and software include 24 XP workstations, a server on a SAN network, large and small format color printers, scanners, ArcGIS, Idrisi, Adobe Creative Suite, MS Office, and SPSS.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Contact the Admissions Office for application materials and the Office of Financial Assistance for information on financial aid. Geography students may find work in the GIS Lab or with individual faculty.

FACULTY:

Ruth Baker, Ph.D. candidate, University of Minnesota, Assistant Professor — physical geography, climate, hazards, biogeography

Mathew Dooley, Ph.D., University of Nebraska, 2006, Associate Professor — cartography, geographic information systems, landscape analysis

John Heppen, Ph.D., Louisiana State University, 1998, Professor — political, historical, social, spatial analysis, United States
Matthew Millett, MA, University of Oregon, 2010, GIS Lab Manager and lecturer — geographic information systems, human geography, Canada
Charles Rader, Ph.D., Michigan State, 1995, Professor — geographic information systems, cartography, people/environment, Africa

UNIVERSITY OF WISCONSIN- STEVENS POINT

DEPARTMENT OF GEOGRAPHY AND GEOLOGY
DATE FOUNDED: 1950

DEGREES OFFERED: B.A., B.S.

GRANTED: 9/1/12-8/31/13: 30 Bachelors

MAJORS: 111

CHAIR: David Ozsvath

ACADEMIC DEPARTMENT ASSOCIATE: Mary Clare Sorenson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Department of Geography and Geology, University of Wisconsin-Stevens Point, Wisconsin 54481. Telephone 715-346-2629. Fax 715-346-3372. E-mail: geoggeol@uwsp.edu. Internet: www.uwsp.edu/geo/.

PROGRAMS AND RESEARCH FACILITIES: A student can major in either geography or geoscience and must select at least one option. Geography majors can choose from options in Physical, Cartography and Geographic Information Science (GIS), Human and/or Urban Planning. Geoscience options include Environmental Analysis, Hydrogeology, or Bioscience. A common core of introductory courses is required of each major as a foundation for more specialized work in an option. A minor in GIS and Spatial Analysis provides students in related disciplines a strong background in geographic-based techniques. Minors in Earth Science, Geology, and Environmental Geography are also available. Qualified seniors are encouraged to culminate their degree activities with an internship. Cooperative agreements with both local and state agencies provide intern opportunities for majors. An affiliated GIS Center affords students applied research opportunities and assistantships.

The department maintains several special facilities. Large GIS, remote sensing, and cartographic laboratories house an extensive array of contemporary equipment, including fifty workstation PCs, specialized Web, SDE and ArcGIS internet servers and several dedicated departmental servers for thematic and reference mapping, GIS analysis, remote sensing interpretation, and Internet resource site development. Available computer peripherals include color laser printers, large format printers (42"), large (52") and small format scanners, digital cameras, field tablets, iPad's, and broad access to the Internet and the university's computer network. Students may have an opportunity to add to the department's Web page, and Internet reference materials. Cartographic and GIS instruction is facilitated by a sizeable software collection: Surfer, MapViewer, ArcGIS (and all associated ESRI products), ERDAS Imagine, Map Publisher, CorelDRAW, and Vue 11. All Adobe software is also maintained by the Department including Flash, Director, Premiere, Photoshop, Dreamweaver, InDesign, and Illustrator. Field equipment includes real-time and post-processing decimeter GPS units, a GPS base station, PDA's, portable field computers, tree core borers, stream current meters, soil sieves, and a stream current table. Several multimedia and GIS laboratories contain digital equipment and specialized software (e.g. Camtasia Studio) for developing Web-based materials and interactive multimedia products. The Map Center is an official depository for U.S. Geological Survey topographic maps and the National Geospatial Intelligence Agency. Several specialized map

series, in both analog and digital form, are also housed within the Center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: *Academic Plan*—Semester system. *Admissions Requirements:* Contact Director of Admissions, University of Wisconsin-Stevens Point, Stevens Point, Wisconsin 54481, 715-346-2441. *Financial Aid:* Contact Office of Student Financial Aid, University of Wisconsin-Stevens Point, Wisconsin 54481, 715-346-4771.

FACULTY:

Bruce M. Hall, Ph.D., Southern Illinois University, 2014, Visiting Instructor — collaborative-based watershed management, legitimacy issues in resource management, ecosystem services, environmental policy and law, resource economics
Kevin P. Hefferan, Ph.D., Duke University, 1992, Professor — structural geology, tectonics, physical geology, field geology, earth materials
Neil C. Heywood, Ph.D., University of Colorado, 1989, Professor — environmental hazards, biogeography, field skills, outdoor recreation, environmental change
Samantha W. Kaplan, Ph.D., University of Wisconsin-Madison, 2003, Associate Professor — Quaternary studies, climatology, paleoecology, sedimentary geology, environmental change
Timothy T. Kennedy, ABD, University of Wisconsin-Madison, Assistant Professor — GIS education, remote sensing, land change science, PPGIS
Eric J. Larsen, Ph.D., Oregon State University, 2001, Professor — remote sensing, digital image processing, physical geography
Karen A. Lemke, Ph.D., University of Iowa, 1988, Professor — physical geography, geomorphology, quantitative methods
Eugene W. Martin, ABD, University of Washington, Visiting Instructor — GIScience, critical GIS, STS, decision making, modeling, cartography, visualization, sustainability, natural resources
Michael Minn, Ph.D., University of Illinois, 2014, Faculty Associate — GIS education, transportation geography, open source GIS
Douglas A. Miskowiak, M.S. University of Wisconsin-Madison, GIS Education Specialist — GIS, GeoDesign, PPGIS
Ismaila Odogba, Ph.D., University of Louisville, 2009, Associate Professor — urban and regional planning, global political economy, land use, comparative urban development, quantitative methods
David L. Ozsvath, Ph.D., Binghamton University, 1985, Professor — hydrogeology, geochemistry, environmental geology
Keith W. Rice, Ph.D., University of Kansas, 1989, Professor — cartography, environmental GIS, map animation, map visualization, mobile GIS
Michael E. Ritter, Ph.D., Indiana University, 1986, Professor — physical geography, distance education, climatology
Karl E. Ryavec, Ph.D., University of Minnesota, 2002, Professor — historical geographic information systems, cultural geography, geography of religion, China/Inner Asia
Lisa J. Theo, ABD, University of Wisconsin-Madison, Instructor — urban/economic geography, historical geography, environmental history, tourism geography, quantitative methods

UNIVERSITY OF WISCONSIN- WHITEWATER

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

DATE FOUNDED: 1963

DEGREES OFFERED: B.A., B.S., B.S.E.

GRANTED 6/1/10-5/31/11: 36 Bachelors

MAJORS: 59

CHAIR: Dr. Peter Jacobs

ACADEMIC DEPARTMENT ASSOCIATE: Susie Olson

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department of Geography and Geology, University of Wisconsin-Whitewater, 800 W. Main Street, 120 Upham Hall, Whitewater, Wisconsin 53190. Telephone (262) 472-1071. Fax (262) 472-5633.

Internet: jacobsp@uwu.edu Web: <http://www.academics.uwu.edu/geography>.

PROGRAM AND RESEARCH FACILITIES:

Undergraduate majors and minors are available to students through both the College of Letters and Sciences and the College of Education. Students majoring in geography select one of six tracks: General, Geology, Cultural, Physical/Environmental, Technical, and Urban/Suburban. All tracks in the major require completion of a common core of 16 credits and narrower selection of appropriate courses for the specific track. In addition to minors in both geography and geology, two interdisciplinary minors, Environmental Studies and Urban and Area Development, are also housed and administered in the department. The department plays a key role in a new Environmental Science major that relies on many departmental courses in physical geography, geology, GIS, resource management.

The department offers outstanding computing facilities for student and faculty use. There are two dedicated computer labs for teaching introduction to mapping, introductory and advanced GIS, remote sensing, and applied GIS courses. Forty-six computer workstations are available in these labs, with each containing the full array of ESRI products, Adobe Illustrator, and ERDAS Imagine. The department houses Pangaea Studios, a GIS Center providing services for local and state agencies and non-profit organizations. A technical/research lab is used primarily for climate and remote sensing data analysis. The department maintains the campus weather station and provides access to real time data that is utilized by television stations in Madison and Milwaukee. Other lab spaces are available for physical geography and geology. Besides introductory physical geography and geology teaching labs, the department has advanced teaching and research labs, including a soils and geomorphology analysis lab with XRD and XRF facilities, and two geology laboratories (hard rock and soft rock).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system. Applications are available from: Admissions Office, UW-Whitewater, Whitewater, WI 53190. On line application at: <http://www.apply.wisconsin.edu>. Contact Financial Aid Office for routine financial aid opportunities. The department administers the unique and large Warren and Rose Fischer Scholarship program for Education majors minoring in Geography. This scholarship program assists students who meet the appropriate education and geography criteria. The Fischer Scholarship is renewable each semester as long as students remain in good academic standing and until the appropriate degree is conferred. Additional funding may be available for Fischer Scholars to help defray special educational costs associated with field courses and study abroad opportunities. The Folkerth Scholarship is also available to recognize an outstanding geography major committed to and effective at promoting geography and working with other students and faculty. Some students are paid as research assistants on faculty research grants. Paid and for credit internships with public agencies and private

firms are available to geography majors as well. In addition, the department has a substantial Work Study allocation to provide paid work opportunities for eligible students.

FACULTY:

Prajukti Bhattacharyya, PhD, Minnesota, 2000, Associate Professor

— Mineralogy, Structural Geology, Environmental Geology

Jonathan Burkham, PhD, UW Milwaukee, 2012, Assistant Professor

— Latin America, Migration, Labor Market

Rocio Duchesne-Onoro, PhD, Montclair State University, 2014,

Assistant Professor — Remote Sensing, GIS, Biogeography

Eric Compas, PhD, UW-Madison, 2008, Associate Professor —

Political Ecology, Environmental Geography, Protected Areas, Private Land Conservation

John Frye, PhD, University of Georgia, 2011, Assistant Professor —

Climatology, Meteorology

Rex Hanger, PhD, Berkeley, 1992, Associate Professor —

Paleontology, Stratigraphy, Sedimentology, Oceanography

Peter Jacobs, PhD, UW-Madison, 1994, Professor & Chair —

Geomorphology, Soils

Margo Kleinfeld, PhD, Kentucky, 2005, Associate Professor —

Political, Human/Cultural, Feminist and Social Theory, South Asia

Jeff Olson, PhD, Ohio State, 2013, Assistant Professor — Economic,

Land Change, GIS

Dale Splinter, PhD, Oklahoma, 2006, Associate Professor —

Geomorphology, Rivers, Stream Ecology

David Travis, PhD, Indiana, 1994, Professor & College Dean —

Satellite Meteorology, Synoptic Climatology, Mesoscale Climate Change

Jeffery Zimmerman, PhD, UW-Madison, 2003, Associate Professor —

Urban Geography, Cultural Geography, Planning and Social Theory

ACADEMIC STAFF:

Jean Kowal, ABD, UW-Milwaukee, Lecturer — Physical Geography, Environmental, Global Issues

WYOMING

UNIVERSITY OF WYOMING

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1966

GRADUATE PROGRAM FOUNDED: 1966

DEGREES OFFERED: B.A., B.S., M.A., M.S.T., M.P.

GRANTED: May 2013: 16 Bachelors, 3 Masters

STUDENTS IN RESIDENCE: 62 Majors, 17 Masters

NOT IN RESIDENCE: 2 Masters

CHAIR: Gerald R. Webster

DEPARTMENT ADMINISTRATIVE ASST: Barbara Powell

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Geography, Dept. 3371, 1000 E. University Ave., University of Wyoming, Laramie, Wyoming 82071. Telephone (307) 766-3311. Fax (307) 766-3294.

E-mail: bp@uwyo.edu. Internet: www.uwyo.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: M.A. program in geography emphasizes human; physical; geographic information systems; and environment and resource management, with a particular focus on the Great Plains/Rocky Mountain region. A specialized M.A. program with a focus on Water Resources is also offered. M.P.

program in planning emphasizes rural and small town planning and environmental planning. Curricula are individually tailored, but include at least two skills from among the following: computer cartography, quantitative methods, field methods, and geographic information systems. The program is connected with the Wyoming Geographic Information Sciences Center (WyGISC); the director of WyGISC holds a faculty appointment in the Department of Geography.

Physical Geography: Centers on biogeography, climatology (particularly in climate variability), geomorphology, archeology, soils, process geomorphology including hydrology, and landscape ecology - especially pertaining to the Rocky Mountain area. New laboratory facilities permit training in advanced techniques. Courses in allied disciplines are encouraged.

Spatial Analysis, Information, and Display: Offers training in field techniques, mapping, GIS, GPS, and computer mapping. Internships are available. Courses in allied disciplines are encouraged.

Natural Resource Management/Recreation: Provides training in resource management in such areas as land use planning for public lands, wildlife management, water resources, and the impact of development on environmental values. Courses in geography and related fields provide an interdisciplinary framework.

Human Geography: Examines spatial and historical context of human systems, processes, behavior, cultural landscapes and forms of geographic organization. Courses in allied disciplines are encouraged.

Planning: Offers training in small town/rural areas, natural resources, land use and environmental planning leading to the Master in Planning degree. Interdisciplinary in content, it involves various colleges and departments and prepares individuals as community, or environmental planning directors in rural and mountain states.

The Department also accepts qualified applicants in biogeography or related areas for the University's Ph.D. Program in Ecology.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Academic Plan M.A., M.P. Plan A, with Thesis. Plan B, with 2 papers.

Admission Requirements — Applicants evaluated on an individual basis. Undergraduate backgrounds in social or natural sciences and the humanities accepted. Deficiencies remedied during the graduate program. Verbal and quantitative GRE scores and minimum undergraduate GPA required.

Financial Aid — Full-time masters' level Graduate Assistantships, pay \$11,349 plus remission of tuition and fees. Graduate assistantships include both teaching and research assistantships. Applicants for the Ph.D. in Ecology should meet the same standards as for the masters' program and hold a masters' degree. The Ph.D. assistantship stipend is \$15,795 plus tuition and fees remission.

FACULTY:

Shannon Albeke, Ph.D., University of Georgia, 2010, Assistant Research Scientist — spatial ecological data processing and analysis

Yi Ling Chen, Ph.D., Rutgers University, 2000, Joint International Studies/Geography, Assistant Professor — Neoliberalism, housing policies, and gender

William J. Gribb, Ph.D., Michigan State, 1982, Associate Professor — land resource planning, rural community planning, cultural ecology, computer cartography/GIS and remote sensing

Jeffrey C. Hamerlinck, Ph.D., Colorado, 2010, Research Scientist and Director, Wyoming Geographic Information Sciences Center — geographic information science, spatial decisions support systems, land resource planning

Carl J. Legeliter, Ph.D., University of California Santa Barbara, 2008, Assistant Professor — geomorphology, remote sensing, water resources

Steven Prager, Ph.D., Simon Fraser, 2002, Associate Professor — geographic information science, spatial modeling, network theory, sustainable development

Jacqueline J. Shinker, Ph.D., Oregon, 2003, Assistant Professor — climatology, climate change, hazards, paleoclimatology

Gerald R. Webster, Ph.D., Kentucky, 1984, Professor and Chair — political, urban, and human geography, planning

Roberta Webster, Ph.D., Kentucky, 1994, Academic Professional Lecturer — economic, urban, tourism, North America

John L. Allen, Ph.D., Clark, 1969, Professor Emeritus — historical, history of geography, environmental studies, landscape change, American West

Ronald Beiswenger, Ph.D., Michigan, 1972, Professor Emeritus — natural resource conservation, geographic education, biogeography

William L. Baker, Ph.D., Wisconsin-Madison, 1987, Professor Emeritus — biogeography, landscape ecology, natural resources, conservation, remote sensing, GIS

Thomas Buchanan, Ph.D., Illinois, 1979, Professor Emeritus — quantitative methods, research design, social behavior, natural resource management

Deborah D. Paulson, Ph.D., Hawaii, 1992, Professor Emeritus — human ecology, land use and management, international development, sustainable agriculture

CANADA

ALBERTA

UNIVERSITY OF CALGARY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1961

GRADUATE PROGRAM FOUNDED: 1961

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., MGIS, Ph.D.

GRANTED 1/1/12-12/31/12: 28 Bachelors, 20 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE (2012): 112 Majors, 79 Masters, 31 Ph.D.

HEAD: Dr. John Yackel

GRADUATE PROGRAM ADMINISTRATOR: Paulina Medori

FOR DETAILED INFORMATION EMAIL: geograd@ucalgary.ca or check website at <http://www.geog.ucalgary.ca/>.

CURRENT ADDRESS: Graduate Program, Department of Geography, University of Calgary, ES 356, 2500 University Dr NW, Calgary, AB, Canada T2N 1N4. Telephone (403) 220-5584 Fax (403) 282-6561, E-mail: geograd@ucalgary.ca.

PROGRAMS AND RESEARCH FACILITIES: Programs of graduate study are offered in most fields of Geography at the masters and doctoral levels (course work and thesis required). A course-based Masters in GIS (MGIS) is also available. Calgary provides an excellent location and staging area for many forms of Geographical research and for issues related to human-environment interactions. The Department is a leader in developing technical expertise to apply to these and many other issues. Faculty members conduct research in the fields of geomorphology, biogeography, climatology, glaciology and cryospheric studies, hydrology, soils, environmental studies, tourism, urban and economic studies, remote sensing, computer cartography, GIS, transportation, medical, health, human, social and historical geography. Research focuses primarily on Western Canada, The Arctic, the Americas and Europe.

State-of-the-art research, teaching, computing and analytical facilities and software exist within three 24-seat computing labs, and are enhanced by three full-time technicians. Field equipment and support also is available, and the University Weather Research Station is accessible for faculty and student research. Field stations are used through cooperation with the Kananaskis Centre for Environmental Research, and field education is available for all levels of students for course and research work. Geography participates actively in the work of the Van Horne Institute for International Transportation & Regulatory Affairs, the World Tourism Education and Research Centre, the Institute for Advanced Policy Research, the Interdisciplinary Graduate Program, Earth Sciences, Environmental Science, Urban Studies, and Latin American Studies programs.

FACULTY:

A detailed list of faculty and graduate students and their research interests is available on our Web page at: <http://www.geog.ucalgary.ca>

THE UNIVERSITY OF LETHBRIDGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1967

GRADUATE PROGRAM FOUNDED: 1991

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., PhD

STUDENTS IN RESIDENCE: Geography Majors 52, Urban and Regional Studies 18, Archaeology and Geography 27, Remote Sensing 2, Environmental Science 127

MASTERS: 35; PhD: 12

CHAIR: Wei Xu

DEPARTMENT ADMINISTRATIVE ASST: Margaret Cook

FOR FURTHER INFORMATION CONTACT: Dr. Wei Xu, Chair, Department of Geography, The University of Lethbridge, 4401 University Drive W, Lethbridge, Alberta, Canada T1K 3M4. Telephone (403) 332-4561, Fax (403) 329-2016. Email: geography.chair@uleth.ca. Web: <http://uleth.ca/artsci/geography>.

PROGRAMS AND RESEARCH FACILITIES: Four year undergraduate programs include B.A. and B.Sc. majoring in geography and Archaeology/Geography and a B.A. with a multidisciplinary major in Urban and Regional Studies or Remote Sensing. Geography majors may declare a concentration in "Geographical Information Science" which requires additional courses in geographic information systems, remote sensing, computer cartography and quantitative methods.

The M.A./M.Sc. or Ph.D. Program at the University of Lethbridge encourages graduate students to develop individualized programs of study based on a research thesis supported by course work. Each program is customized to suit the needs and interests of individual students. The application process begins with discussions between a potential applicant and faculty member to investigate the possibility of a supervisory relationship. The applicant and faculty member then collaborate to design a plan of study which specifies the number and nature of courses to be completed and the nature of the thesis research. A PhD program in either a MA or MSc discipline is offered. A bachelor's degree and a master's degree are usually required for acceptance in the PhD program.

The department is well equipped for research, with additional advanced laboratory facilities also available at collaborating Federal, Provincial, and other institutions in the Lethbridge area.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, and

FINANCIAL AID: Information for undergraduate admissions and scholarships is handled through the Registrar's Office: <http://www.uleth.ca/ross>. Information for graduate admissions and financial support is available from the School of Graduate Studies: <http://www.uleth.ca/graduatestudies>. A basic level of financial support is provided to each full-time graduate student but most students receive additional support through the research programs of their supervisors.

FACULTY:

René W. Barendregt, Ph.D. Queen's, 1977, Professor — late Cenozoic paleoenvironments, climate proxies, and magnetostratigraphy; extent and timing of continental and montane glaciations

Sarah Boon, Ph.D. Alberta, 2005 Assistant Professor — Mountain hydrology, runoff generation from snow and glaciers, energetics of snow ablation (on leave)

Shawn Bubel, Ph.D. K.U. Leuven, 2002 Associate Professor of Archaeology — geoarchaeology, postdepositional processes, Plains and Near Eastern archaeology

James M. Byrne, Ph.D. Alberta, 1990, Professor — global environmental change and water resources; GIS applications in climate and hydrology

Craig Coburn, Ph.D., Simon Fraser, 2002, Associate Professor — remote sensing, texture analysis, terrain modeling

Guy Duke, MSc, Lethbridge, 2003, Academic Assistant — GIS Analysis, Cartography, Hydrology (on leave).

Chris Hopkinson, Ph.D., 2002 Wilfred Laurier University CAIP Research Chair — Natural resources assessment and environmental modeling through the integration of GIS and terrestrial, airborne and satellite lidar remote sensing

Hester Jiskoot, Ph.D. Leeds, 1999; Associate Professor — glaciology, ice flow dynamics, glacier-environment interactions, statistical and numerical glacier system analysis,

Daniel Johnson, Ph.D., Vancouver, 1983, Professor — Semi-arid ecology, plant-insect-vertebrate interactions, biodiversity

Thomas Johnston, Ph.D. Waterloo, 1989, Associate Professor — human dimensions of environmental change; rural geography and land-use

Stefan Kienzie, Ph.D. Heidelberg, 1993, Professor and Coordinator of Environmental Science — spatial analysis; terrain modelling; hydrological modelling; GIS applications in wildlife habitat

Matthew Letts, Ph.D. King's College London, 2003, Associate Dean — effects of diffuse radiation, photosynthetic uptake and respiratory carbon losses in peatland ecosystems

Kevin McGeough, PhD. Pennsylvania, 2005, Associate Professor — Historical Geography, Languages and Cultures of Near Eastern and Classical Regions, Syro-Palestinian Archaeology

Ian R. MacLachlan, Ph.D. Toronto, 1990, Professor — urban economic, industrial restructuring, intensive livestock operations, TSE's

Jacqueline Montain, M.S.A. Ryerson, 2001, Academic Assistant — GIS applications in Public Health

Derek R. Peddle, Ph.D. Waterloo, 1997, Professor — remote sensing and GIS; spatial analysis and computational methods

Ivan Townshend, Ph.D. Calgary, 1997, Professor — social change in urban Canada; quantitative methods in human and physical geography

Wei Xu, Ph.D. Guelph, 1998, Department Chair and Professor — China, urban and regional economic development, labour market dynamics, resource assessment, spatial analysis and GIS

Fax (778) 782-5841. E-Mail: geog-info@sfu.ca Internet: <http://www.sfu.ca/geography/>

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography is a founding department of the Faculty of Environment.

UNDERGRADUATE PROGRAM: Undergraduate students at Simon Fraser University may specialize in one of three broad realms: human geography, physical geography, and spatial information science. For students with primary interests in **Human Geography**, the department offers a mainstream BA, with emphases on social and urban themes or on economic and resource issues. There is also a separate BA with a strong environmental dimension: the Environmental Specialty major. Additionally, students may enroll in a cross-disciplinary Certificate in Urban Studies. Three concentrations in **Physical Geography** are available: (1) *Biogeophysical Science* exposes students to a broad range of environmental science courses that address geomorphology, climatology, hydrology, soils, and biogeography; (2) *Geoscience* is similarly broad-ranging but specifically targets the academic requirements needed to apply for registration as a Professional Geoscientist in British Columbia; (3) *Physical Geography and Spatial Information Science* gives students the opportunity to focus on the linkages between *Physical Geography* and *Spatial Information Systems*. **Spatial Information Science** at Simon Fraser encompasses remote sensing, cartography, GIScience, spatial data analysis, and geovisualization. All students include SIS coursework within their BA or BSc degrees [see above] and may supplement their chosen degree with a Certificate in Spatial Information Science. Also available is an independent BSc in Geographic Information Science, offered in cooperation with the School of Computing Science. For more information on the undergraduate program, please see: <http://www.sfu.ca/geography/undergraduate-program>

GRADUATE PROGRAM: Students applying for the Graduate Program have the option of pursuing three degree programs (MA, MSc and PhD). The majority of graduate research is conducted in western North America, although research further afield is not uncommon. Facilities for advanced work include well-equipped soils, geomorphology, biogeography, climatology, GIS and human geography laboratories.

Thesis work is encouraged in the following areas: biogeography, climatology, geomorphology, soils geography, water resources, cultural geography, and remote sensing; political geography, urban geography, economic geography, political economy, tourism; geographic/spatial information science, and geovisualization. For information on specializations within these areas the Department should be contacted.

The M.A. and M.Sc. programs consist of coursework and a thesis. Students must also complete Introduction to Graduate Studies (GEOG 600/601), graded on a satisfactory/unsatisfactory basis. Masters students also take required courses in methods (GEOG 604 for the M.A., GEOG 606 for the M.Sc.); M.A. students will also complete a course in social theory (GEOG 605).

The Ph.D. program requires students to pass qualifying examinations and complete a dissertation of original research. There are no required Ph.D. courses; instead, coursework is determined in consultation with the supervisor.

GRADUATE ADMISSION REQUIREMENTS AND FINANCIAL AID:

ADMISSION REQUIREMENTS: Graduate Students: Generally, admission to the Graduate Program is in the fall semester, and applications should be complete by January 15 of the admission year. Masters candidates should have an undergraduate grade point average of 3.25. Candidates for the M.A. degree are expected to complete the degree requirements (30 credit hours) in six terms. These requirements include a thesis (18 credit hours) and 12 credit hours of required and elective courses. M.A. applicants are expected to show or acquire competence in a range of the social theory and methodological

BRITISH COLUMBIA

SIMON FRASER UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1965

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 9/1/12-8/31/13: 110 Bachelors, 8 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 473 Majors, 8 M.A., 18 M.Sc., 33 Ph.D.

CHAIR: Nicholas Blomley

DEPARTMENT ADMINISTRATIVE ASSISTANT:
Liliana Hill

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Department Chair, Department of Geography, 8888 University Drive, Burnaby, BC, Canada, V5A 1S6. Telephone (778) 782-3718.

approaches informing contemporary human geography. M.Sc. applicants should normally hold a B.Sc. degree or equivalent in geography or a related discipline. Where the candidate's training is not in geography, he/she should have at least 12 semester hours or the equivalent in upper division geography courses. Students with a general degree must have 30 semester hours (or equivalent) in upper division geography courses. Ph.D. admission is granted only when the department has evidence a candidate is able to work at the most advanced level and produce a satisfactory dissertation. Prospective students are strongly encouraged to contact individual faculty members in advance of applying for admission.

FINANCIAL AID: Graduate students are typically funded through a combination of Research Assistantships, Teaching Assistantships, and/or internal and external scholarships. Limited funds are also available to support student travel

FACULTY:

Shivanand Balram, Ph.D., McGill, 2005, Senior Lecturer — spatial information science, quantitative geography, spatial decision support

Nicholas Blomley, Ph.D., Bristol, 1986, Professor and Chair — law, property, the city

Tracy Brennand, Ph.D., Alberta, 1993, Associate Professor — glacial geomorphology and sedimentology, paleogeology, paleohydrology

John Brohman, Ph.D., UCLA, 1989, Associate Professor — rural/regional development, third world development, Latin America

Alex Clapp, Ph.D., UC-Berkeley, 1993, Associate Professor — economic geography, resource conservation, forest policy

Valorie Crooks, Ph.D., McMaster, 2005, Associate Professor — medical/social geography, health care, disability and chronic illness

Suzana Dragicevic, Ph.D., Montreal, 1999, Professor — GIS, spatial analysis and modeling, geosimulation, complex systems

Alison Gill, Ph.D., Manitoba, 1982, Professor — coastal tourism, resort development, secondary homes, tourism in mountain communities

Roger Hayter, Ph.D., Washington, 1973, Professor — BC's forest economy, environmental economic, geography of the evolutionary firm

Nick Hedley, Ph.D., Washington, 2003, Associate Professor — geovisualization, GIS, cartography, augmented reality, geospatial interface and virtual environments

Meg Holden, Ph.D., New School for Social Research, NY, 2004, Associate Professor — urban environmental and pragmatic philosophy and public participation, urban sustainable development, social learning, public policy

Paul Kingsbury, Ph.D., Kentucky, 2003, Associate Professor — cultural and social geography, consumption

Anders Knudby, Ph.D., Waterloo, 2009, Assistant Professor — remote sensing

Meg Krawchuk, Ph.D., Alberta, 1997, Assistant Professor — landscape ecology, pyrogeography, biogeography, conservation science

Lance Lesack, Ph.D., UC-Santa Barbara, 1988, Professor — ecosystem biogeochemistry, land and water interactions, limnology

Geoff Mann, Ph.D., UC-Berkeley, 2003, Associate Professor — Political economy, capitalism, macroeconomic policy, politics of climate change

Eugene McCann, Ph.D., Kentucky, 1998, Associate Professor — urban politics and policy, cultural politics and local economic development

John Pierce, Ph.D., London School of Economics, 1976, Professor and Dean — economic and rural geography, research methodology

Margaret Schmidt, Ph.D., British Columbia, 1992, Associate Professor — soil science, forest soils, digital and predictive soil mapping, spatial patterns of soil properties

Nadine Schuurman, Ph.D., British Columbia, 2000, Professor — GIS, health geography, spatial data, ontologies, metadata, critical GIScience

Janet Sturgeon, Ph.D., Yale, 2000, Associate Professor — human geography of contemporary Asia

Jeremy Venditti, Ph.D., UBC, 2003, Associate Professor, Director of the Environmental Science Program — fluvial geomorphology and sedimentology, landscape dynamics, morphodynamic modeling of river sediment

Kirsten Zickfeld, Ph.D., Potsdam, 2004, Assistant Professor — climate change science, climate projections, climate-carbon cycle feedbacks, carbon budget, earth system modeling

Ivor Winton, Ph.D., Minnesota, 1987, Senior Lecturer — population, history of geographical thinking

LIMITED TERM LECTURERS

Faran Ali, Ph.D., Saskatchewan, 2009 — Hydrology

John Irwin, Ph.D., University of British Columbia, 2004 — Sustainable development and resource planning, economic and transportation geography

ASSOCIATE MEMBERS:

Martin Andresen, Ph.D., UBC, 2006, Associate Professor — applied spatial statistics, spatial crime analysis, regional trade patterns

Peter Hall, Ph.D., UC-Berkeley, 2002, Associate Professor — port cities, logistics, employment, community development, urban economies

Sean Markey, PhD MCIP RPP, SFU 2003, Associate Professor — sustainable community development, rural and regional planning

Kendra Strauss, D.Phil., University of Oxford, 2008, Assistant Professor — labour geography, economic geography, feminist political economy, social reproduction, legal geography, pensions

Joseph E. Taylor III, Ph.D., University of Washington, 1996, Professor — environmental history of fisheries, recreation, gentrification, outdoor sports, and public lands

ADJUNCT FACULTY:

Steve Cumming, PhD. University of British Columbia, 1997, Associate Professor (Université Laval) — boreal ecology, fire ecology, spatial simulation, conservation planning

Ray Kostaschuk, Ph.D., McMaster, 1984, Professor — fluvial hydrology, geomorphology

Olav Lian, Ph.D., Western Ontario, 1997, Associate Professor — quaternary sedimentology and stratigraphy, glacial geology, geomorphology and geochronology

EMERITI FACULTY:

Robert C. Brown, Ph.D., Michigan State, 1967 — fisheries geography, resources development

Colin Crampton, Ph.D., Bristol, 1956 — geology, pedology, ecology

Len Evenden, Ph.D., Edinburgh, 1970 — urban, local government

Edward Hicken, Ph.D., Sydney, 1971 — fluvial geomorphology and sedimentology

Thomas Poiker, D.Phil., Heidelberg, 1966 — economic, quantitative, computer cartography, GIS

Michael Roberts, Ph.D., Iowa, 1966 — fluvial geomorphology, field methods

Arthur Roberts, Ph.D., Ph.D., York, 1982, Professor — remote sensing, photogrammetry, cultural, historical, paleoenvironments

Shue Tuck Wong, Ph.D., Chicago, 1968 — resources management, quantitative methods

RETIRED FACULTY:

Robert Horsfall, Ph.D., Johns Hopkins, 1969 — social geography, environmental psychology
 Ian Hutchinson, Ph.D., Simon Fraser, 1977, Professor — quaternary environments, coastal systems
 P.M. Koroscil, Ph.D., Michigan, 1970 — historical, Canada

TRINITY WESTERN UNIVERSITY**DEPARTMENT OF GEOGRAPHY****DATE FOUNDED: 1962****DEGREES OFFERED: B.A. in Geography; B.A., B.Sc. in Environmental Studies****GRANTED 9/1/10-4/30/11: 1 Geography****MAJORS: 12 Geography; 18 Environmental Studies****MINORS AND CONCENTRATIONS: 9****CHAIR: Maxwell Ofosuhen****DEPARTMENT ADMINISTRATIVE ASSISTANT:****Jayne Cummins****FOR CATALOG AND FURTHER INFORMATION WRITE**

TO: Department of Geography, Trinity Western University, 7600 Glover Road, Langley, British Columbia, V2Y 1Y1. Telephone (604) 513-2169. Fax (604) 513-2143. E-mail: maxwell.ofosuhen@twu.ca
 Internet: <http://www.twu.ca/academics/fhss/geography/>.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography at Trinity Western University offers Geography majors the opportunity to join faculty in their research in the application of geomatics — particularly in the areas of environmental & resource management in dendrochronology — specifically dendroecology and dendrogeomorphology and in sustainable rural development, regional planning and cultural landscape analysis. Supplementing coursework is the department's cartography/GIS laboratory, extensive map collection and reading room, Tree-ring laboratory, and 73 acre Crow's Nest Ecological Research Area (CNERA) situated on Salt Spring Island, BC.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Trinity Western University operates with regular spring and fall semesters, and a summer semester with a variety of shorter course options. Admission to the undergraduate major program in Geography is the same as that for admission to the University. Undergraduate majors are required to take a minimum 42 semester hours of coursework in Physical, Human, Regional and Techniques geography. Twenty-four semester hours of upper-level courses are required. Undergraduate majors are eligible for a variety of university scholarships; departmental lab teaching assistantships are also available for selected students.

FACULTY:

Cherie Enns, PhD Candidate, MCIP, University of British Columbia, 1986, Adjunct — planning and international development
 David Jordan, MA, University of Victoria, 2000, Assistant Professor — physical geography, dendrochronology
 Geraldine Jordan, PhD, Simon Fraser University, 2002, Assistant Professor — landscape ecology, environment
 Stuart Jones, MCIP, University of British Columbia, 1996, Sessional Instructor — long range planning, policy development, GIS
 Matthew Humphrey, MA, Regent College, Sessional Instructor — environmental ethics, Christian theology, food & community
 Paul Kariya, PhD, Clark University, 1987, Sessional Instructor — resource management, fisheries
 Maxwell Ofosuhen, PhD, University of Saskatchewan, 2005, Assistant Professor and Chair — human geography, rural development, regional economic development

Terry Neufeldt, M.Sc., Western Washington University, Sessional Assistant Professor of Geography

Daniel Nnane, PhD, University of Brighton, 2010, Sessional Instructor — geomorphology, aquatic management, water & microbial dynamic, quantitative methods

Andrew Perkins, PhD Candidate, Simon Fraser University, 2014, Adjunct — geomorphology, GIS

Jamie Spinney, PhD, McMaster University, 2011, Sessional Instructor — land use planning, spatial analysis, and property taxes

EMERITUS FACULTY:

Carl Tracie, PhD, Alberta, 1970 — Canada, cultural landscapes

UNIVERSITY OF BRITISH COLUMBIA**DEPARTMENT OF GEOGRAPHY****DATE FOUNDED: 1923****GRADUATE PROGRAM FOUNDED: 1947****DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.****GRANTED 9/1/12-8/31/13: 113 Bachelors, 14 Masters, 5 Ph.D.****STUDENTS: 15 Minors, 540 Majors, 54 Masters, 75 Ph.D.****HEAD: Marwan Hassan****DEPARTMENT ADMINISTRATIVE ASST: Connie Cheung****FOR CATALOG AND FURTHER INFORMATION WRITE**

TO: Graduate Advisor, Department of Geography, 1984 West Mall, University of British Columbia, Vancouver, British Columbia, Canada V6T 1Z2. Telephone (604) 822-2663. Fax (604) 822-6150. E-mail: connie.cheung@geog.ubc.ca (Administrative Enquiries); gradprog@geog.ubc.ca (Graduate Enquiries). Internet: www.geog.ubc.ca.

PROGRAMS AND RESEARCH FACILITIES: M.A., M.Sc., Ph.D. Programs: Programs in *Biogeosciences* have a strong natural science emphasis. They focus on physical and ecological systems at or close to the earth's surface, and the interaction of these systems with people. The major substantive specializations are: Biogeography (forest and plant ecology; Arctic environments); Climatology (air pollution; meteorology; mesoscale modeling; urban climatology, climate change, biogeochemistry); GIS and remote sensing (accuracy, fractals, integrated systems); Geomorphology (landscape evolution, watershed geomorphology; hillslope geomorphology and mass movements; fluvial sediment transport, fluvial geomorphology and river ecology); Hydrology (surface water, snow hydrology; water quality, energy and mass balance).

Programs in *Human Geography* explore the connections between human geography and political economy, social theory, cultural studies, and pursue the implications for interpreting changes in past and present landscapes. Major areas of specialization are: Economic Geography (Marxist and post-Marxist theories of the space-economy; analytical modelling; development theory; industrial restructuring and technological change); Feminist Geography (gender, sexuality and geography); Historical Geography (environmental history, colonialism and imperialism, urbanization, with a particular focus on North America (especially Canada), Europe, Latin America, East and Southeast Asia and Australasia); Social and Cultural Geography (international migration; popular culture and the geography of everyday life; ethnicity-race, class, and gender; consumption, place, and landscape). Work in these fields often feeds into a strong general interest in Urban Geography (urban systems, urban growth and restructuring, social and economic change, with a particular focus on North America and Asia) and intersects with work in Environmental

Geography (environmental sustainability, environmental policy, water use and management, political ecology, community development).

Programs in *Regional Geography* focus upon the following areas: Canada (especially Western Canada); Asia and the Pacific Rim (especially East and Southeast Asia); Russia and Eastern Europe; and Latin America (especially Mexico).

The Department participates actively in many interdisciplinary programs: Asian Studies, Community and Regional Planning, Comparative Literature, Hydrology, International Relations, Remote Sensing, Resource Management Science, Sustainable Development, Urban Studies, and Women's Studies. Field studies include ongoing projects in the Western Arctic and Cordilleran regions of Canada and special projects in Latin America and Asia.

A guide to graduate studies in Geography is available at this website: <http://www.geog.ubc.ca/graduate/>
Other Facilities - In department: extensive map and air photo holdings of B.C.; geomorphological, biogeographical, and climatological laboratories; modern computer network and GIS laboratories; office space for graduate students. In university: second largest library in Canada.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: *Academic Plan* - Academic year, September 1 - August 31. Terms: September 1 - December 31, January 1 - April 30, and May 1 - August 31. *Admission Requirements* - Honours or major degree in geography with at least upper Second Class Standing or a grade point average of 3.4 on a 4.0 scale. Applicants from related fields will be considered. *Financial Aid* - Scholarships: UBC Graduate Support Initiatives are available for superior students and all applicants are automatically considered for these scholarships. The University of British Columbia also provides some Four Year Doctoral Fellowships (4YF). Under this program, UBC ensures its best PhD students are provided with financial support of at least \$22,000 per year for the first four years of their PhD studies.

NSERC, SSHRC, Commonwealth, and Ford Foundation Fellowships are tenable at UBC. Students should consult these organizations' web-sites for application procedures. Teaching assistantships with competitive stipends are available from September to April. There are other teaching and research assistantships for the summer session, May to August.

FACULTY:

Karen J. Bakker, Ph.D., Oxford, 1999, Professor, Canada Research Chair — environmental; development; water
Trevor J. Barnes F.R.S. C; Ph.D., Minnesota, 1983, Professor and Distinguished University Scholar — economic, urban, history of geography
Loch Brown, Ph.D., Sussex, 2007, Instructor — development, collective action, associational dynamics, political ecology, West Africa
Andreas Christen, Ph.D., Basel, 2005, Associate Professor — land-atmosphere interactions; carbon cycle; urban climatology
Simon D. Donner, Ph.D., Wisconsin, 2002, Associate Professor — climatology, biogeochemistry, hydrology, aquatic ecology, climate policy
Brett C. Eaton, Ph.D., British Columbia, 2004, Associate Professor — fluvial geomorphology, sediment transport, aquatic habitat, impacts of hydropower generation
David W.C. Edgington, Ph.D., Monash, 1986, Professor — economic, urban economic, Japan, Asia Pacific
Matthew D. Evenden, Ph.D., York, 2000, Associate Professor — environmental history, historical, water and Canada
James F. Glassman, Ph.D., Minnesota, 1999, Professor — development, third world urbanization, economic, political, Southeast Asia

Derek Gregory, F.B.A.; F.R.S.C.; Ph.D., Cambridge, 1981, Peter Wall Distinguished Professor — political and cultural geographies of late modern war, especially in the Middle East and Afghanistan-Pakistan; histories/geographies of bombing
Marwan Hassan, Ph.D., Jerusalem, 1989, Professor and Head — fluvial geomorphology, ecogeomorphology, landscape evolution, water resources
Greg Henry, Ph.D., Toronto, 1987, Professor — plant ecology, tundra ecosystems, biogeography
Sally A. Hermansen, M.A., Queens, 1984, Senior Instructor — cartography, geographic information science, remote sensing
Dan Hiebert, Ph.D., Toronto, 1987, Professor — urban, immigration, Canada
Brian Klinkenberg, Ph.D., Western Ontario, 1988, Professor — geographic information science, biodiversity informatics, medical biogeography
Michele Koppes, Ph.D., Washington, 2007, Assistant Professor — Quaternary geomorphology, glaciology, paleoclimate reconstruction, alpine and polar regions
Merje Kuus, Ph.D., Syracuse, 1999, Associate Professor — political, geopolitics, policy, contemporary Europe
Philippe A. Le Billon, Ph.D., Oxford, 1999, Professor — war, disasters, development, political geography, Africa and Southeast Asia
David F. Ley, F.R.S.C.; Ph.D., Pennsylvania State, 1972, Professor, Canada Research Chair — immigration, gentrification, housing markets, urban social geography
Ian McKendry, Ph.D., Canterbury, 1985, Professor — air pollution meteorology, aerosol science, synoptic climatology
Siobhán R. McPhee, PhD, Dublin, 2012, Instructor — labour geography, migration, workplace inequalities, emerging global cities, Ireland, Middle East
R. Dan Moore, Ph.D., Canterbury, 1984, Professor — forest hydrology, hydroclimatology, snow and glacier hydrology, riparian processes, physical water quality
Jamie Peck, AcSS, Ph.D., Manchester, 1988, Professor and Canada Research Chair in Urban and Regional Political Economy — economic geography; urban and regional restructuring; labor studies; government policy and statecraft; economic regulation and governance
Geraldine Pratt, Ph.D., British Columbia, 1984, Professor — feminist geography; Filipino transnationalism; geographies of film, performance
John Robinson, Ph.D., Toronto, 1981, Professor — sustainability, participatory integrated assessment, future studies, energy policy
Juanita R. Sundberg, Ph.D., Texas, 1999, Associate Professor — feminist geography; politics of conservation; Latin America; United States-Mexico border
Jennifer L. Williams, Ph.D., Montana, 2008, Assistant Professor — biogeography, population ecology, climate change and plant population dynamics, spread of populations through heterogeneous landscapes
Elvin K. Wyly, Ph.D., Minnesota, 1995, Associate Professor — urban; social policy; quantitative methods; housing
Graeme Wynn, F.R.S.C.; Ph.D., Toronto, 1974, Professor — historical, environmental, Canada, New Zealand

EMERITI FACULTY:

Michael J. Bovis, Ph.D., Colorado, 1974, Associate Professor Emeritus — geomorphology, landslides
John D. Chapman, Ph.D., Washington, 1958, Professor Emeritus — economic (manufacturing and energy), philosophy of geography
Michael Church, F.R.S.C.; Ph.D., British Columbia, 1969, Professor Emeritus — geomorphology
Richard Copley, M.A., UC, Berkeley, 1961, Senior Instructor Emeritus — cultural/historical, East Asia
Ken Denike, Ph.D., Pennsylvania, 1973, Assistant Professor Emeritus — urban, quantitative methods, transportation

R. Cole Harris, O.C.; F.R.S.C.; Ph.D., Wisconsin, 1964, Professor Emeritus — historical, Canada
J. Ross Mackay, O.C.; F.R.S.C.; Ph.D., Montreal, 1948, Honorary Professor Emeritus — arctic geomorphology, cartography, Canadian Western Arctic
David M. McClung, Ph.D., Washington, 1974, Professor Emeritus — snow and avalanche science and engineering
Terry G. McGee, Ph.D., Wellington (New Zealand), 1969, Professor Emeritus — Third World cities, East and Southeast Asia
Margaret E. A. North, M.A., Kansas, 1961, Senior Instructor Emerita — plant geography
Robert N. North, Ph.D., British Columbia, 1968, Associate Professor Emeritus — economic development, former USSR and its successor nations
Tim R. Oke, O.C.; F.R.S.C.; Ph.D., McMaster, 1967, Professor Emeritus — climatology (urban and micro)
Alfred H. Siemens, Ph.D., Wisconsin, 1964, Professor Emeritus — cultural, Latin America
H. Olav Slaymaker, Ph.D., Cambridge, 1968, Professor Emeritus — geomorphology/hydrology, mountain environments
John K. Stager, Ph.D., Edinburgh, 1962, Professor Emeritus — Canadian Arctic

UNIVERSITY OF THE FRASER VALLEY

DEPARTMENT OF GEOGRAPHY and the ENVIRONMENT

DATE FOUNDED: 1992

DEGREES OFFERED: B.A., Geography; BSc., Physical Geography

BA GRANTED 5/1/12-4/30/13: 28 Majors, 13 Minors (6 extended), 2 Honours

BSc GRANTED 5/1/12-4/30/13: 4 Majors, 2 Minors 0 Honours

STUDENTS IN RESIDENCE BA: 70 Majors, 15 Minors (15 extended), 2 Honours

STUDENTS IN RESIDENCE BSc: 13 Majors, 2 Minors

HEAD: Michelle Rhodes

DEPARTMENTAL ADMINISTRATIVE ASSISTANT: Myra Hughes

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Dr. Michelle Rhodes, Head, Department of Geography and the Environment, University of the Fraser Valley, 33844 King Rd., Abbotsford, British Columbia, V2S 7M8, Canada. Telephone (604) 504-7441, Ext. 4724. Fax (604) 504-3619. E-mail: michelle.rhodes@ufv.ca. Internet: www.ufv.ca/geography/.

PROGRAMS: UFV Geography and the Environment (GATE) believes students learn best in applied as well as classroom settings, and integrates field study, laboratory experience, geomatics, and regional study into its programs. The department offers a major, Honours major, extended minor, and minor in Geography (BA) and a major, Honours major, and minor Physical Geography (BSc). Students can also complete a certificate in GIS. The department is also home to a BA degree in Global Development Studies. Co-operative Education, Work Study and Research Assistantships options are available. Faculty and students conduct research and study in Canada and internationally. Faculty run 5-6 day field schools (*Adventures in Geography*) in Western Canada and the Pacific Northwest, as well as 2-3 week study tours in the western US, India, and Mexico. Internship students also complete course and funded and unfunded placements in India, Tanzania, China, and Canada.

The BA major program encompasses a broad range of subjects that characterize the modern discipline of Geography. The first two years of the program provides an introduction to human, physical, regional, and technical geography. The latter two years allow for greater specialization in one of these sub-fields. BA students usually pursue a concentration in *Environmental Science*, *Global Studies*, and/or *Urban Studies*, and concentrations can be completed as part of an Honours degree. Field trips, community-based research, and lab science are emphasized. Directed studies and directed readings options are available.

The BSc major program focuses on four key sub-fields of Physical Geography: biogeography/ soils, climatology and hydrology, geomorphology, and water quality, in addition to technical geography courses in GIS, remote sensing, and modeling. Students engage in laboratory and field-based data collection, and many pursue additional research experience in one of the department's research facilities.

Interdisciplinary programs: Geography faculty are involved in research and degree initiatives in Agriculture and Food Security, Borderlands Studies (with Western Washington University), GIS, Global Development, Environmental Studies, Indigenous Studies, Indo-Canadian Studies, Migration and Citizenship, Peace Studies, Science Communications, and the Woods Hole World Rivers Group.

RESEARCH FACILITIES: The UFV Department of Geography and the Environment is home to the Luminescence Dating Lab, the Paleocology Lab, and Watershed Research Lab. A GIS and Food Security studies lab is planned. The Department maintains a comprehensive classroom-oriented mineral, map and aerial photo collection, a student computer lab, full capacity GIS software and hardware, current meters, surveying and GPS equipment, water quality testing probes, and weather monitoring and soils analysis instruments.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Three terms: Fall (Sept-Dec); Winter (Jan-Apr), and condensed and full-term courses in Spring (May-Aug) term. Courses offered at multiple campuses: Abbotsford, Chilliwack, and Mission, BC, and in Chandigarh, India. Degree: 120 credits, minimum 2.0 CGPA; Honours: 120 credits, minimum 3.33 CGPA. Requirements for entry into the BA and BSc programs vary. Financial assistance, including loans, bursaries, scholarships, and work-study, is available. Information on financial aid and criteria for program entry are found in the UFV calendar, available at: www.ufv.ca/home.htm.

FACULTY:

Carolyn Atkins, MSc., Saskatchewan, 1994, Lab Instructor — Physical Geography
Claire Beaney, M.Sc., Alberta, 1998, Associate Professor (on maternity leave through 12/04) — Geomorphology, Geographic Techniques
Ken Brealey, Ph.D., British Columbia, 2002, Associate Dean of Arts (on administrative leave from the department) — Geographies of Native Land Claims, Cartography and Historical Geography
John Belec, Ph.D., Queens, 1988, Associate Professor — Urban Studies, Housing Studies, Canada, Borderlands
Cherie Enns, Ph.D. Candidate, Darmstadt University (Germany), Associate Professor — New Urbanism, Community and Sustainable Development, Children and the City, History of Planning
Garry Fehr, Ph.D., Guelph, 2007, Associate Professor — International Development, Political Ecology, Social/ Cultural Geography
Jonathan Hughes, Ph.D., Simon Fraser, 2002, Associate Professor — Biogeography, Paleocology, Dendrochronology, Paleoseismology

Olav B. Lian, Ph.D., Western Ontario, 1997, Associate Professor — Quaternary Sedimentology, Stratigraphy, Paleoenvironments, Geochronology, Paleoecology of Non-glacial Intervals, Paraglacial Sedimentation, Loess-Paleosol Sequences, Holocene Aeolian Activity

Steve Marsh, M.Sc., Regina, 1988, Associate Professor — Climate Change, Water Quality, Environmental Studies

Kathy Peet, BSc, University of Northern British Columbia, 1997, Lab Instructor — Physical Geography

Michelle J. Rhodes, Ph.D., Simon Fraser, 2002, Associate Professor — Resource/ Economic Geography, Geopolitics, Housing Studies, Tourism, Environmental Studies

Scott Shupe, Ph.D., Arizona, 2000, Associate Professor — Geographic Information Science (GIS, Remote Sensing), Land Use/ Land Cover Mapping and Monitoring, Natural Resources, Arid Lands

EMERITUS FACULTY

David Gibson, M.A., University of California-Davis, 1969, University College Professor Emeritus — Cultural Geography, Mexico

CANADA RESEARCH CHAIR (TIER II)

Lenore Newman, Ph.D., York, 2004, CRC in Food Security and Environment — Canada's Food Cultures/Systems, Agriculture Lands Conservation, Food and the City, Sustainable Food Systems

ADJUNCT FACULTY

John Clague, Ph.D., British Columbia, 1973 — Natural Hazards, Quaternary Geology

Thomas Forge, Ph.D., University of Wisconsin-Madison, 1990 — Soil Ecology and Agriculture, Plant Pathology

Lionel Pandolfo, Ph.D., Yale, 1992 — Synoptic Climatology, Climate Variability, Modeling

Bernhard Puecker-Ehrenbrink, Ph.D., Max Planck Institute (Germany), 1994 — Global Rivers Project (WHOI), Geochemistry

Dan Selbie, Ph.D., Queen's, 2008 — Fisheries (salmon) and Aquatic Ecology, Paleolimnology

POST-DOCTORAL FELLOWS

Christina Neudorf, Ph.D., Wollongong (Australia), 2012, Hakai Scholar — Luminescence Dating, Geochronology

Lisa Powell, Ph.D., University of Texas-Austin, 2013 — Agricultural land conservation, resource communities

UNIVERSITY OF NORTHERN BRITISH COLUMBIA

GEOGRAPHY PROGRAM

DATE FOUNDED: University opened in September 1994

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 9/1/12 – 8/31/13: 9 Bachelors, 10 Masters, 1 PhD

STUDENTS IN RESIDENCE: 17 Masters, 5 PhD

CHAIR: Neil Hanlon

DEPARTMENT ADMINISTRATIVE ASST: Michelle Keen

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Geography Program, UNBC, 3333 University Way, Prince George, BC, Canada, V2N 4Z9. Telephone (250) 960-5832. Fax (250) 960-6533. E-mail: neil.hanlon@unbc.ca. Internet: <http://www.unbc.ca/geography/>.

PROGRAMS AND RESEARCH FACILITIES: Geography offers undergraduate degrees (BA, BSc), minors in physical geography, human geography, geomorphology and GIS, and graduate degrees (MA, MSc, MNRES, PhD) in Natural Resources and Environmental Studies (NRES - GEOG). We emphasize an interdisciplinary academic approach with foci on cold environments, the Canadian and circumpolar North, First Nations/indigenous issues, community development in rural and remote places, health geography and international studies. An active co-operative education program enables further practical experience for students, while Geography offers overseas and local field schools. UNBC has complete wet and dry lab facilities, GIS lab, High Performance Computing lab, and a state-of-the-art Social Sciences lab on campus; off-campus facilities include a River Research Center and two Research Forests. Please visit website for more information on facilities and equipment, as well as on faculty research and graduate opportunities.

ACADEMIC PLAN AND ADMISSION REQUIREMENTS:

Information on admission requirements and application forms for admission are available from the Registrar. Program information can be obtained from the Chair.

FACULTY:

Gail Fondahl, Ph.D., Berkeley, 1989, Professor — local criteria and indicators of sustainable forest co-management; indigenous land rights and land claims in Russian North; Arctic social indicators; community-based research

Kevin Hall, D.Sc., Natal, 2003, PhD, Orange Free State, 1978, Professor — detailed laboratory investigations of thermal transfer and thermal stresses at the grain level; rock weathering studies in Antarctica and southern Africa; weathering of San rock art

Greg Halseth, Ph.D., Queen's, 1993, Professor and Canada Research Chair in Rural and Small Town Studies — community development/community economic development; restructuring in resource dependent towns; rural and regional development

Neil Hanlon, Ph.D., Queen's, 1998, Associate Professor — health service delivery in rural and remote locations; social determinants of health in rural and remote BC; impacts of distributed medical education programs on their host communities; social and geographical determinants of health

Christine Jackson, B.Ed., 1995, Western Ontario, B.Sc., UBC, 1987, Senior Lab Instructor Earth Sciences — enhancing student experiences in environmental education, physical environment

Zoë Meletis, Ph.D., Duke, 2008, Associate Professor — tourism development, amenity migration, and aesthetics; development and change in Down East, North Carolina; ecotourism in Tortuguero, Costa Rica; participant perceptions of community gardening

Brian Menounos, Ph.D., UBC, 2002, Associate Professor — past and present glacier fluctuations; paleo-environmental reconstruction; sediment budgeting and sediment transport in mountain environments

Catherine Nolin, Ph.D., Queen's, 2000, Associate Professor — qualitative methods; social geography of migration in rural and remote British Columbia; social impacts of Canadian mining in Guatemala; impunity, 'development', and political violence in Guatemala

Ellen Petticrew, Ph.D., McGill, 1989, Professor — landscape scale linkages between terrestrial and aquatic systems; bio geomorphology: influence of organisms on physical attributes of aquatic systems; landscape disturbances on sediment transfers (fire, forest harvesting, agriculture); ecological implications of transfers and storage of fine sediment in rivers and lakes; fine sediment morphology and composition (flocculation processes); lake restoration and community stewardship

Roger Wheate, Ph.D., St. Andrews, 1996, Associate Professor — cartographic design incorporating remote sensing and GIS processing; glacier mapping from remote sensing in northern BC

ASSOCIATED FACULTY AT UNBC:

Joselito Arocena, Ph.D., Alberta, 1991, Professor — properties, formation and classification of soils; environmental soil mineralogy and chemistry

Ping Bai, M.Sc., Windsor, 1996, Senior Lab Instructor GIS — computer science; GIS; problem solving and modeling in forest, geography, social science; software development in graphic user interface design; web development

Scott Emmons, B.Sc., UNBC, 1998, Senior Lab Instructor, GIS — Technologies emerging in geomatics to provide a network of spatially linked data sharing nodes connecting communities in Northern British Columbia

Peter Jackson, Ph.D., UBC, 1993, Professor — analytical and numerical wind-field modeling; meso- and synoptic scale meteorology; air pollution

ADJUNCT FACULTY:

José Pablo Baraybar, M.A., Grenoble, 2012 — forensic anthropology; criminal justice; memorialization

Matthew Beedle, Ph.D., UNBC, 2013 — glaciology; climatology; remote sensing; science communication

Sarah de Leeuw, Ph.D., Queen's, 2007 — Indigenous health; cultural geography; post-colonialism

Marleen Morris, M.Sc., Oxford, 2009 — public administration; community development; social policy

John Rex, Ph.D., UNBC, 2009 — Pacific salmon ecology; sediment flocculation; nutrient cycling

MANITOBA

THE UNIVERSITY OF MANITOBA

DEPARTMENT OF ENVIRONMENT AND GEOGRAPHY

DATE FOUNDED: 1951

GRADUATE PROGRAM FOUNDED: 1953

**DEGREES OFFERED: B.A., B. Sc., M.A., M. Sc., M.Env.,
Ph.D.**

**GRANTED 9/1/12-8/31/13: 50 Bachelors, 17
Masters, 2 Ph.D.**

**STUDENTS IN RESIDENCE: 96 Majors, 55 Masters, &
Ph.D.**

NOT IN RESIDENCE: Masters, & Ph.D.

HEAD: Michael Campbell (Acting)

**DEPARTMENT ADMINISTRATIVE ASST: A.
Roberecki**

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Chair, Graduate Studies Committee, Department of Environment & Geography, The University of Manitoba, Winnipeg, Manitoba, Canada R3T 2M6. Telephone (204) 474-9667. Fax (204) 474-7699. E-mail: environment_geography@umanitoba.ca.

Internet: www.umanitoba.ca/faculties/environment/department/geography.index.html

PROGRAMS AND RESEARCH FACILITIES: Graduate research opportunities are available in many aspects of human geography,

notably in such fields as agricultural, cultural, rural settlement, urban and industrial geographies, and in land utilization and resource management, regional development, geography of aging, and environmental cognition. In physical geography, research training exists mainly in atmospheric science, climatology, Arctic systems, geomorphology, hydrology, and associated studies of natural hazards. Facilities are available for research involving remote sensing, computer cartography and both human and physical applications of GIS. Most graduate research focuses on Western Canada and the Arctic, although recent theses have included South-East Asia, and Africa. Studies of Winnipeg and other Manitoban settlements continue to be numerous. Ample scope exists for research on recreation and other resources of Manitoba, the cultural and historical geographies of the Prairies, and the spectrum of economic activities in this region. Energy balance and hydroclimatological investigations, and erosion and mass wasting of slopes dominate research endeavours in physical geography. On July 1, 2002, the Department became an integral component of the newly created Clayton H. Riddell Faculty of Environment, Earth and Resources; a development which promises to provide greater research opportunities for students in the future.

The Department has access to a wide range of computer equipment for teaching and research. Geomatics teaching and research facilities for graduate students within the Department include a number of physical geography labs (2 wet labs, 2 dry labs, and a cold lab all located within the Centre for Earth Observation Science (CEOS) facility in the Wallace building) and a Faculty supported computer laboratory. The computer lab has 40 new (2006) Dell P4 workstations in a networked environment, which includes both colour and black and white laser printers. This lab is used for both graduate and undergraduate teaching. All departmental computers access software licenses for a full array of ESRI products.

Field research equipment used within CEOS can be broadly grouped into the following categories: microwave systems (both passive and active), optical systems (VIS/NIR spectrometers), micro-climate sensors (gas flux instrumentation), climate, water, chemistry, meteorology, oceanography, transportation, and power. Together these laboratories and field research equipment are funded/maintained by the Centre for Earth Observation Science (www.umanitoba.ca/ceos).

Data for teaching and research are available through agreements with Statistics Canada for census data, Linnet Geomatics for provincial data, and Canada Centre for Remote Sensing for space-borne data. Other related institutions at the University include: Centre on Aging; Transport Institute; and Natural Resources Institute. Off campus there are the Manitoba Provincial Archives and Hudson's Bay Company Archives.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

M.A. PROGRAM: One year of courses (in Geography and related fields) plus thesis; admission with a minimum G.P.A. of 3.25 (out of a possible 4.0 or 4.5) standing in Honors or advanced Geography degree, or following pre-master's program.

M. SC. PROGRAM: One year of courses plus thesis; admission with a minimum G.P.A. of 3.25 (out of a possible 4.0 or 4.5) standing in Honors degree or equivalent in Geography (physical geography specialization) or from a program in the Earth or Environmental Sciences, or a pre-master's program.

M.ENV PROGRAM: One year of courses plus thesis; admission with a minimum G.P.A. 3.25 (out of a possible 4.0 or 4.5) standing in a 4 year program of Environmental Science or Environmental Studies program or a pre-master's program.

PH.D. PROGRAM: Two years of courses plus thesis; admission with M.A./M.Sc. Geography. Graduate student support in the form of

University Fellowships, and graduate teaching and service assistantships are available up to \$16,000.

FACULTY:

David G. Barber, Ph.D., Waterloo, 1992, Professor, Canada Chair, Arctic Systems Science — causes of change in both dynamic and thermodynamic processes of sea ice due to climate forcing; the consequences of these changes on marine and human systems; and techniques required to improve our ability to assess both the causes and consequences of these changes

Richard K. Baydack, Ph.D., Colorado State, 1986, Professor — biogeography, ecosystem management, conservation of biological diversity, sustainable agriculture, sustainable water management, wildlife and fisheries habitat

S. Mary P. Benbow, Ph.D., Liverpool, 1991, Associate Professor — social, cultural and environmental implications of zoos and aquariums; part of a broader field "Animal Geographies"; Critical cartography and human-nature relationships (applied to historical and contemporary zoo maps); examination of messages concerning climate change in zoos (specifically in Arctic themed exhibits) and the use of overheard conversation techniques to monitor visitor responses; photographs at the Zoo: meanings, intentions, and doings

Michael Campbell, Ph.D. Professor, Acting Department Head — the relationship between various forms of nature based tourism, outdoor recreation and the environment in which these activities takes place

Jens K. Ehn, Ph.D. Manitoba, Assistant Professor — sea-ice geophysics, processes and feedback that control solar radiation interactions in the Arctic marine and sea-ice environment in order to improve our ability to predict the impacts caused by a changing Arctic climate

Bonnie C. Hallman, Ph.D., Guelph, 1997, Associate Professor — Community and families with medically-dependent children; zoos as social/culture spaces, family geographies and leisure environments; zoos as social/cultural spaces; therapeutic landscapes

John M. Hanesiak, Ph.D., Manitoba, 2001, Professor — atmospheric controls on polar surfaces, severe weather, mesoscale to synoptic scale meteorology and weather forecasting, surface-planetary boundary layer interactions

Mark Hanson, Ph.D. Guelph, 2002, Associate Professor — aquatic toxicology, ecological risk assessment, freshwater ecology

Jeffrey Masuda, Ph.D., Alberta, Associate Professor — environmental justice, prenatal risk perception; children's environmental health; knowledge translation in environmental health research; First Nations environmental health; right to the city and urban branding

Stephane McLachlan, Ph.D., York, 1997, Professor — environmental restoration, action and participatory video research, biogeography of invasives, participatory mapping of local rural knowledge, participatory risk analysis of disease (BSE, TB) and GM crops, urban agriculture and agroecology, watershed management and land use planning

Christopher John (CJ) Mundy, Ph.D. Manitoba, Assistant Professor — sea ice and marine bio-optics; physical and biological processes controlling timing of primary production in ice-covered seas

Jill Oakes, Ph D. ,Manitoba, 1988, Professor — Alaskan coastal cultures, aviation and the environment, Hudson's Bay Company families at York Factory 1900-1930, indigenous peoples and environmental change, island human and biogeography

Tim Papakyriakou, Ph.D., Waterloo, 1999, Professor, Director Centre for Earth Observation Science — surface climates, air-sea CO₂ fluxes and heat exchange in Arctic coastal marine environments, heat and carbon budgets of sea ice dominated areas

Jonathan Peyton, Ph.D. British Columbia, 2011, Assistant Professor — environmental and historical geography; resources geography; political ecology of extractive economics

Ronald Stewart Ph.D., Toronto, 1977 Professor — Extreme events including storms and drought, winter precipitation, climate change and coastal cities

Daniel Todd, Ph.D., London School of Economics, 1975, Professor — shipbuilding and globalization, China: energy, resources and regional disparities, Transport infrastructure, especially ports and railways

David Walker, Ph.D., Manitoba, 2002, Assistant Professor — geomatics in biological systems; remote sensing; biometric applications; and ecosystem investigations in grassland and boreal forest environments

Feiyue Wang, Ph.D., Peking, 1995, Professor — metal speciation in the sulfidic environment, mercury in the Arctic and sub-Arctic and the Tibetan plateau, selenium in prairie waters

SENIOR SCHOLARS:

William Norton, Ph.D., McMaster, 1973, Professor — competing identities and contested landscapes, theories of behaviour and human geography

Geoffrey C. Smith, Ph.D., McMaster, 1974 — Canadian senior citizen housing, institutional care resources for older people in the UK, spatial changes in the elderly population of England and Wales, elderly retirement migration

Ramesh C. Tiwari, Ph.D., Reading, 1964 — urban, developing countries, India, Africa

DISTINGUISHED PROFESSOR EMERITIS:

Vaclav Smil, Ph.D., Pennsylvania State 1972, Distinguished Professor — energy myths and reality, Why America is NOT a new Rome, the Two Prime Movers of Globalization; History and Impact on Diesel Engines and Gas Turbines; Energy Transitions

ONTARIO

BROCK UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1964

DEGREES OFFERED: B.A., B.Sc., M.A.

GRANTED 9/1/12-8/31/13: 53 Bachelors

MAJORS: 233

CHAIR: Phillip Mackintosh

DEPARTMENT ADMINISTRATIVE Coordinator:
Virginia Wagg

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Geography, Brock University, St. Catharines, Ontario, Canada L2S 3A1. Telephone (905) 688-5550, ext. 3484. Fax (905) 688-6369. E-mail: geography@brocku.ca. Internet: www.Brocku.ca/geography/.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers programs leading to an M.A. degree and B.A. and B.Sc. degrees at the Honours and pass levels, and participates in a number of combined major programs. In addition, the Department offers four-year Honours programs leading to either a BA or BSc degree in Geography with a Concentration in Geomatics; a five-year Honours degree in Geography concurrently with a B.Ed. degree; and a four year Honours degree concurrently with a Co-op work program. The discipline of geography has a broad scope and combines elements

of both the social and natural sciences. Two principal divisions of the subject exist—human geography and physical geography—linked by a common background, a mutual concern for humans and the environment and a body of related theory and methodology. Most courses emphasize structured labs and seminars in early years and progressively more independent work in later years, culminating in an optional honours thesis in year 4. Field work features prominently in some courses. Physical laboratories and equipment are available for work in biogeography, climatology, geomorphology and soil science. Computer labs with geomatics software are also available for students interested in geographic information systems, remote sensing, surveying and digital mapping. The University Map Library contains an extensive collection of maps, atlases and geospatial datasets housed adjacent to the Geography department.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: *Academic Plan:* Undergraduate: two term system (September–December; January–April) with Spring Evening and Summer Day sessions. Admission requirement in Ontario is Grade 12 graduation or equivalent with 70% average or better. Bursaries and loans are available to qualified students. Information on such assistance may be obtained from the University Awards Office.

FACULTY:

Jeff Boggs, Ph.D., UCLA 2005, Associate Professor — economic geography, cultural industries, regional political economy
David Butz, Ph.D., McMaster, 1993, Professor — cultural, social geography, qualitative methods, music, Pakistan, road construction and social change
Daryl Dagesse, Ph.D., Guelph, 2006, Associate Professor — periglacial geomorphology, soil physics
Christopher Fullerton, Ph.D., Saskatchewan, 2004, Associate Professor — public transit, sustainable transportation, rural community planning and development, history of urban planning in Ottawa
Hugh J. Gayler, Ph.D., British Columbia, 1974, Professor Emeritus — urban social, urban planning, rural-urban fringe development issues
Marilyne Jollineau, Ph.D., Waterloo, 2003, Associate Professor — geospatial approaches to vineyard management, wetland ecosystem, water resources management and environmental sustainability
Phillip Gordon Mackintosh, Ph.D., Queen's, 2001, Associate Professor — urban historical geography, reform and planning history, public space and infrastructure, bourgeois culture, historical newspapers, bicycling
John Menzies, Ph.D., PGeo., Edinburgh, 1976, Professor — geomorphology, glaciology, soil science, glacial
Catherine Jean Nash, Ph.D., Queen's, 2004, Associate Professor — social, cultural geography, urban studies and planning, feminist, lgbt, queer, trans issues
Michael Pisarcic, Ph.D., Queen's, 2001, Associate Professor — biogeography, climate change, dendrochronology, paleolimnology, ecological disturbance, Arctic
Michael Ripmeester, Ph.D., Queen's, 1995, Professor — historical geography, cultural geography, historical geographies of First Nations, geographies of popular memory
Anthony B. Shaw, Ph.D., Western Ontario, 1981, Professor — climatology, meteorology, viticulture
Dragos Simandan, Ph.D., Bristol, 200, Professor — geographical reasoning, philosophy of the social sciences, social theory, economic geography, the psychology-geography interface
Kevin Turner, Ph.D., Wilfrid Laurier, 2013, Assistant Professor — hydrology, geomatics, paleolimnology, biogeography
Ebru Ustundag, Ph.D., York, 2005, Associate Professor — citizenship studies, urban geography, theories of space and nationalism, Ottoman Empire and Turkey

CARLETON UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL STUDIES

DATE FOUNDED: 1949

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 9/1/12-8/31/13: 97 Bachelors, 6 M.A., 5 M.Sc., 8 Ph.D.

STUDENTS IN RESIDENCE: 410 Majors, 11 M.A., 18 M.Sc., 23 Ph.D.

NOT IN RESIDENCE: M.A., M.Sc., Ph.D.

CHAIR: Doug King

DEPARTMENT ADMINISTRATIVE ASST: Mylien Reid

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Department of Geography & Environmental Studies, Carleton University, 1125 Colonel By Drive, Ottawa, Ontario, Canada K1S 5B6. Telephone (613) 520-2561. Fax (613) 520-4301. E-mail: Chair_Geography@carleton.ca. Internet: www.carleton.ca/geography.

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE PROGRAMS

- BA Geography (3yr General; 4yr Honours); BA Geography with Concentration in Physical Geography (4yr Honours); BA Combined (4yr Honours);
- BSc Physical Geography (4yr); BSc Combined (4yr Honours)
- BA Geomatics (4yr Honours); BSc Geomatics (4yr Honours)
- BA Environmental Studies (3yr General; 4yr Honours)

GRADUATE PROGRAMS: The Department's M.A., M.Sc. and Ph.D. programs encourage students to integrate perspectives from the biophysical and social sciences.

M.A. research themes include: (1) *Society/environment interactions* – rural and resource development, environmental impact assessment, human response to environmental change, gender and environments, sustainable community; and (2) *Political economy of geographical change* – globalization, industrial and community restructuring, territorial identities, environmental geopolitics, environmental conflict and democracy, the developing world, cultures, resources, rural development, gender.

M.Sc. research themes focus on *Processes of environmental change* – cold regions, climate-ground interactions, soil resources, quaternary environments. Students may specialize in biogeography, hydrology, geomorphology, microclimatology, and permafrost processes.

Geomatics research themes include: remote sensing, GIS, computer-assisted cartography, and spatial analysis. Geomatics applications to other thematic areas and disciplines can be taken either as an M.A. or a M.Sc. depending on research focus.

The Ph.D. program is defined in terms of the interaction of society and the natural environment in the context of global change. It is structured around two interacting fields: (1) the *geography of societal change* – global political economy, restructuring and the environment, feminist geographies; and, (2) the *geography of environmental change* – environmental processes and anthropogenic impacts, appraisal and societal management of environmental resources.

The research of the department is supported by specialized facilities including laboratories for Geocryology, Geomatics and Landscape Ecology, and Cybercartography. Carleton University's location in Ottawa provides access to more than 50 specialized libraries, including the National Library, National Archives, and Statistics

Canada as well as to resources at the Canada Centre for Remote Sensing, Natural Resources Canada, and other government agencies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

M.A./M.Sc. PROGRAMS: Admission requirements of at least B+ (77%) average in Honours Geography or equivalent program. Candidates with other qualifications may be accepted into a qualifying year. Fall term entry is the norm.

Ph.D. PROGRAM: Admission requirements of at least A- (80%) average in a Master's Geography program or equivalent. Students commence their program in September.

Financial assistance: Graduate scholarships and assistantships for qualified students. Funding is available for two years at the Masters level and five years at the Ph.D. level for qualified students. The department and university also offer several awards and bursaries to assist with graduate studies.

FACULTY:

A detailed list of faculty, their research interests and recent publications, and graduate funding, is available on our Web page (www.carleton.ca/geography).

MCMASTER UNIVERSITY

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES

DATE FOUNDED: Geology 1905, Geography 1946

GRADUATE PROGRAM FOUNDED: Geology pre-1915, Geography 1954

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 09/01/2012-30/11/2013: 44 Bachelors

STUDENTS IN RESIDENCE: 43 Masters, 37 Ph.D.

DIRECTOR: Dr. Bruce Newbold

DEPARTMENT ADMINISTRATOR: Katherine Philp

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Graduate Administ, School of Geography and Earth Sciences, McMaster University, 1280 Main St. West, General Science Building -206, Hamilton, Ontario, Canada L8S 4K1. Telephone (905) 525-9140, ext.23535. Fax (905) 546-0463. E-mail: geograd@mcmaster.ca. Internet: www.science.mcmaster.ca/geo/

PROGRAMS AND RESEARCH FACILITIES: The School is in the Faculty of Science and is affiliated with the Faculty of Social Science. Its graduate program is built around diverse research interests in both physical and human geography and in geology. The fields of specialization are:

Hydrological Sciences, including climatology (surface energy; water and trace gas climatology especially in cold regions; surface climate especially in permafrost terrain); impacts of climatic change on energy, water, and trace gas fluxes; physical hydrology (cold regions hydrological research on snow, ice, permafrost, and northern wetlands); surface water and ground water interaction; statistical hydrology

Earth Surface Processes, including sedimentation processes and their impacts on environmental systems; paleoenvironmental reconstruction in glacial, Mediterranean and other terrains; geophysical methods

Geochemistry, including hydrological pathways, biochemical, and contaminant transport; wetland-atmosphere trace gas exchange; peatland development and human impacts on wetland hydrology and nutrient cycling, microbially mediated metal reactions, stable isotope techniques, paleo-environmental reconstruction

Environment and Health; geographic aspects of health promotion; issues in health and health care policy and planning; spatial relationships of health and environmental factors

Social Geography, including Political Economy (geography of the state; dependent populations; social housing; urban and regional development); Urban Historical Geography (the evolution of cities in the nineteenth and twentieth centuries; suburban development and housing in North America)

Spatial Analysis: the visual and numerical analysis of data at various spatial scales, including GIS, remote sensing, descriptive and inferential spatial statistics; Theoretical Urban Economic Geography (residential choice and intraurban migration); Regional Analysis (the relations between technical change and regional development; and inter-regional migration)

The School occupies major parts of two adjacent buildings, and offers graduate student accommodation; seminar rooms, and laboratories for work in physical geography and spatial analysis. Facilities include extensive laboratory and field equipment, and various field research sites. There is an extensive suite of GIS, statistical and remote sensing software available for student and research use. McMaster is a node on the SHARCnet supercomputer. The University Libraries (including the Map Library), allied departments and Graduate Club are all within a few minutes walk across a pedestrian campus. Support staff provide technical and secretarial assistance.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Admission Requirements: A standing of Class I (A) or upper Class II (B plus) in previous academic work. Financial Aid: 1) National Science and Engineering Council Fellowships. 2) Social Science and Humanities Research Council of Canada, 3) Canadian Institutes for Health Research awards, 4) Ontario Graduate Scholarships, 5) University Scholarships, 6) Assistantships: Candidates for the Ph.D. without external scholarship will receive \$10,480.40 Teaching Assistantship and \$11,055.00 Department Scholarship; candidates for M.A. or M.Sc. without external scholarship will receive: \$10,480.40 Teaching Assistantship and \$9,179.00 Department Scholarship (plus increases for the next academic year). Assistantships entail 10 hours per week of teaching or research during the September-April academic year. Academic Plan: Year is identified into three terms: Sept-Dec, Jan-April, May-Aug.

FACULTY:

M. Ataf Arain, Ph.D., Arizona, 1997, Professor — climatology, hydrometeorology

Joe I. Boyce, Ph.D., Toronto, 1997, Associate Professor — applied geophysics, sedimentary geology

Vera A. Chouinard, Ph.D., McMaster, 1987, Professor — urban political economy

Sean Carey, Ph.D., McMaster, 2000, Associate Professor — cold weather

Paulin Coulibaly, Ph.D., Laval, 2000, Professor — water resources systems analysis and modeling (joint appointment with Civil Engineering)

Alan P. Dickin, D.Phil., Oxford, 1981, Professor — geology

Carolyn H. Eyles, Ph.D., Toronto, 1986, Professor — glacial sedimentology

John D. Eyles, Ph.D., London, 1983, University Professor — social, medical, environment and health

Richard S. Harris, Ph.D., Queen's, 1981, Professor — social/political

Pavlos S. Kanaroglou, Ph.D., McMaster, 1987, Professor — urban models, transportation, population

Sang Tae Kim, Ph.D., McGill University, Associate Professor — Stable Isotopy Geochemistry

William A. Morris, Ph.D., Open University, 1974, Professor — geology

K. Bruce Newbold, Ph.D., McMaster, 1994, Professor — migration, immigration, medical

Maureen Padden, Ph.D., ETH, Zurich, Switzerland, 2001, Assistant Professor — Environment Health & Geochemistry
H. Antonio Paez, Ph.D., Tohoku, Japan, 2000, Professor — Spatial data analysis and statistics
Walter G. Peace, Ph.D., McMaster, 1996, Professor — urban historical
Eduard G. Reinhardt, Ph.D., Carleton, 1996, Professor — geology
W. Jack Rink, Ph.D., Florida State, 1990, Professor — geology
Darren M. Scott, Ph.D., McMaster, 2000, Professor — sustainable transportation
Gregory F. Slater Ph.D., Toronto 2001, Associate Professor — Contaminant geochemistry
James E. Smith, Ph.D., Waterloo, 1995, Professor — hydrogeology
J. Michael Waddington, Ph.D., York, 1995, Professor — biogeochemistry
Lesley A. Warren, Ph.D., Toronto, 1994, Professor — aquatic geochemistry
Allison M. Williams, Ph.D., York 1997, Professor — Social Geography and Health
Robert D. Wilton, Ph.D., Southern California, 1999, Professor — urban, disability, health
Niko Yiannakoulis, Ph.D., University of Alberta 2006, Associate Professor — Spatial Analysis, Environment & Health

QUEEN'S UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1960

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 9/1/12 - 8/31/13 64 Bachelors, 9 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 297 Majors, 16 Masters, 55 Ph.D.

NOT IN RESIDENCE: 2 Masters, 2 Ph.D.

HEAD: Paul Treitz

DEPARTMENT COORDINATOR: Kathy Hoover

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Sheila Macdonald, Graduate Assistant, Kingston, Ontario, Canada K7L 3N6. Telephone (613) 533-6030. Fax (613) 533-6122. Internet: macdons@queensu.ca. World Wide Web: <http://geog.queensu.ca>

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers programs of study in the following fields:

1. Work, Identity, and Place. Labour geographies; labour market restructuring and regulation; international divisions of labour; labour migration; employment equity; gender divisions of labour. Faculty: Donald, Holmes, Kobayashi, Mullings.

2. Globalization, Development, Economies and Sustainability. Globalization, neoliberalism and the new economy; development economies and restructuring; industrial geographies; commodity chains and cultural economy; economy and governance; innovation; political economies of cities; global change and health; international political economy. Faculty: Castleden, Donald, Holmes, Lovell, Mabee, Mullings, Rosenberg.

3. Bodies, Health, and Health Care. The human and social body; socio/historical constructions of bodies; bodies and nature; access to health care; gender and health; emotional geographies; aging; demographic change; critical disability studies; food and food security; health and environment; environmental justice. Faculty: Cameron, Castleden, Davidson, Donald, Masuda, Rosenberg.

4. Citizenship, Identity, Justice and Governance. Immigration; race and racism; feminist geographies; citizenship participation and social justice; social movements; identity, multiculturalism, indigenous social justice, access to services; urban governance; housing. Faculty: Cameron, Castleden, Chen, Davidson, Godlewska, Kobayashi, Masuda, Mullings, Rosenberg.

5. Postcolonialism, Indigenous Peoples and Place. Historical and contemporary: practices of representation; indigenous places; literary geographies; colonial and postcolonial discourses; emotional geographies of place; cultural politics of race, class, and gender. Faculty: Cameron, Castleden, Godlewska, Kobayashi, Lovell, Mullings, Rosenberg.

6. Earth System Science. The broad emphasis in the field of Earth System Science is on developing an integrative understanding of the Earth as a physical system of interrelated phenomena focusing on interactions and linkages between the lithosphere, atmosphere, hydrosphere, cryosphere, and biosphere and on physical, chemical, and biological processes at multiple spatial and temporal scales. Measurement, integration, and modelling of earth system elements are key foci of research and graduate training. Field measurements and sample collection are matched with laboratory and data analysis, and modelling.

Two broad research are Forest Ecosystems (biophysical and physiological processes of forest systems, especially boreal; exchange of energy, water, and trace gases, and local and regional integration with remote sensing and modelling approaches; and Cold Regions (diverse polar and alpine environments, with emphasis on hydrological, marine, geomorphic and biogeochemical processes and sedimentary systems). Faculty: Chen, Danby, Gilbert, Lafrenière, Lamoureux, Mabee, McCaughey, Scott, Treitz.

7. Geographic Information Science. Faculty examine the theoretical, technical and applied aspects of cartography, geographic information systems, remote sensing and image processing, and modeling of human and natural systems.

Specific research interests include: contemporary and historical cartography; land cover/use change detection and analysis; disease modeling; mapping/modeling human impacts on the environment; social, economical, and environmental interaction; biophysical remote sensing; image processing; resource/location optimization; geo-visualization; environmental exposure analysis; accuracy and error modeling. Faculty: Barber, Chen, Danby, Godlewska, Scott, Treitz.

FULL- AND PART-TIME FACULTY:

Laura Cameron, Ph.D., Cambridge, 2001, Associate Professor and Canada Research Chair — historical, cultures of nature

Heather Castleden, Ph.D., Alberta, 2007, Associate Professor — community based participatory research, Indigenous-settler relations, health equity and social/environmental justice, racism, ethics

DongMei Chen, Ph.D., San Diego State/University of California-Santa Barbara, 2001, Associate Professor — geographic information systems, remote sensing, spatial analysis, environmental management

Ryan Danby, Ph.D., Alberta, 2007, Assistant Professor — landscape ecology, biogeography, conservation biology, scale and hierarchy theory, arctic-alpine environments

Joyce Davidson, Ph.D., Edinburgh, 2001, Associate Professor — emotional geographies, gender and embodiment, mental health and illness, feminism and geography

Betsy J. Donald, Ph.D., Toronto, 1999, Associate Professor — urban and regional political economy, economic geography, urban governance, cultural economies of food and food systems planning

Robert Gilbert, Ph.D., British Columbia, 1973, Professor Emeritus — geomorphology, limnology, oceanography

Anne Godlewska, Ph.D., Clark, 1985, Professor — colonial and post-colonial geographies, histories and literatures, history of geography and cartography, Canadian aboriginal issues

Peter G. Goheen, Ph.D., Chicago, 1970, Professor Emeritus — historical, urban

Peter Harrison, Ph.D., Washington, 1973, Professor and Director of the School of Policy Studies — ocean and coastal management, Arctic Ocean and Arctic policy

John Holmes, Ph.D., Ohio State, 1974, Professor — urban and regional political economy, economic geography, labour geography

Audrey L. Kobayashi, Ph.D., UCLA, 1983, Professor — racism, human rights, feminism, immigration, critical disability studies, law and geography, Asia and Cuba

Melissa Lafrenière, Ph.D., Alberta, 2003, Assistant Professor — biogeochemistry, hydrology, carbon and nutrient cycling in alpine and arctic catchments

Scott Lamoureux, Ph.D., Alberta, 1998, Associate Professor — paleoclimatology, paleohydrology, hydrology, geomorphology, cold regions

W. George Lovell, Ph.D., Alberta, 1980, Professor — historical, cultural, Latin America

Warren E. Mabee, Ph.D., Toronto, 2001 Assistant Professor — forests and energy, bioenergy and biofuel technology, regional energy systems

Jeffrey R. Masuda, Ph.D., Alberta, 2005, Associate — environmental health equity, social and environmental justice, urban health, knowledge translation, right to the city

J. Harry McCaughey, Ph.D., McMaster, 1972, Professor — forest climatology, radiation, energy and water balance climatology, carbon cycling in ecosystems

David A. McDonald, Ph.D., Toronto, 1996, Professor and Head of Global Development Studies — urbanization/cities, environmental justice, international migration, development, southern Africa

Katherine McKittrick, Ph.D., York, 2003, Associate Professor in Gender Studies — diasporic and migratory histories and cultures, cultural geographies, black studies and critical race studies

Eric G. Moore, Ph.D., Queensland, 1966, Professor Emeritus — population, urban, public policy

Beverley Mullings, Ph.D., McGill, 1997, Associate Professor — International political economy, feminist geography, globalization and development, changing gender regimes, skilled migration and the new middle classes, the Caribbean, and Caribbean diaspora

David Murakami-Wood, Ph.D. (Newcastle, U.K.), 2001, Associate Professor of Sociology — Surveillance, Technology and Society, Global Cities, Social Theory

Brian S. Osborne, Ph.D., Southampton, 1967, Professor Emeritus — historical, cultural

J. Barry Riddell, Ph.D., Pennsylvania State, 1969, Professor Emeritus — Third World underdevelopment, debt and conflict, globalization and development, the World Bank and neoliberalism in the Caribbean

Mark W. Rosenberg, Ph.D., London School of Economics, 1980, Professor — population studies, medical, public policy

Joan Schwartz, Ph.D., Queen's, 1998, Associate Professor of Art History — History of Photography, Nineteenth-Century Photography and the Geographical Imagination, Early Landscape/Travel Photography, The Management of Photographic Archives

Neal Scott, Ph.D., Colorado State, 1996, Assistant Professor and Canada Research Chair — biogeography, biogeochemistry, disturbance effects on carbon and nitrogen cycling, land-use change and greenhouse gas emissions

Rowland R. Tinlin, Ph.D., Bristol, 1973, Professor Emeritus — medical, information systems, disease modelling

Paul M. Treitz, Ph.D., Waterloo, 1997, Associate Professor and Head — biophysical remote sensing of arctic and boreal environments, modeling forest ecosystem structure using lidar, hyperspectral remote sensing of forest and wetland environments, soil moisture modeling using SAR

Leela Viswanathan, Ph.D., York, 2007, Assistant Professor of Urban and Regional Planning — planning pedagogy, colonial and post-colonial cultures of planning, immigration and sustainability

RYERSON UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1974

DEGREES OFFERED: B.A. in Geographic Analysis (GA),
B.A. in Environment and Urban Sustainability
(EUS), Master of Spatial Analysis (M.S.A.)

DEGREES GRANTED 7/1/12-6/30/13: 60 Bachelors (GA),
24 Masters (MSA)

STUDENTS IN RESIDENCE: 319 Majors (GA), 141
Majors (EUS), 31 Masters (MSA)

CHAIR: Dr. Brian Ceh

ADMINISTRATIVE ASST: Ryan Walters

GA PROGRAM ASST: Sally Wong

EUS PROGRAM ASST: Joseph Aversa

FOR CATALOG AND FURTHER INFORMATION WRITE
TO: Dr. Brian Ceh, Chair, Department of Geography, Ryerson
University, 350 Victoria Street, Toronto, Ontario, Canada M5B 2K3.
Telephone 416-979-5000 ext. 6170 Fax 416-979-5362 E-mail:
info@geography.ryerson.ca Internet: www.ryerson.ca/geography

PROGRAMS AND RESEARCH FACILITIES: Ryerson University's undergraduate Geographic Analysis (GA) program emphasizes the application of geographic skills in a research and problem-solving framework. The goal of the program is to provide students with a unique combination of theory and analytical techniques which will enable them to work effectively and independently in a variety of employment settings after graduation. Emphasis is placed on digital geographic applications, including Geographic Information Systems (GIS), remote sensing, and the use of geospatial databases. The Environment and Urban Sustainability (EUS) program is focused on the development of skills required for academic and future success in the workplace. This is achieved as students interpret environments, examine ecological processes, explore urban policy, and critique sustainable initiatives, using the principles underlying physical and natural environments. Both the GA and EUS programs lead to a four-year honours-level degree, Bachelor of Arts (B.A.).

Through the G. Raymond Chang School of Continuing Education, the department offers four post-baccalaureate certificates. The Certificate in Applied Digital Geography and GIS, as well as the Advanced Certificate in Applied Digital Geography and GIS present courses in a wide range of specific GIS applications and in GIS theory for those who want to enter a GIS-related occupation and for GIS-professionals wishing to extend their GIS knowledge and skills. The Certificate in Demographic Analysis focuses on the principles and applications of demographic analysis and GIS applications in demography with a concentration on applications used for business, commercial or public sector purposes, immigration and settlement studies and/or the economic impacts of demographic change. The Certificate in Global Diasporas, Transnationalism and Migration Cities takes a contemporary approach to the phenomena of diaspora by examining the migration of peoples linked to the initial stages of a global economy in the twentieth and twenty-first centuries. The principal

focus of the program will be on contemporary diasporas in the context of ever-accelerating globalization.

Jointly with the Centre for the Study of Commercial Activity at Ryerson University, the department offers the Master of Spatial Analysis (M.S.A.) program. This is a one-year program full-time; the program is also offered part-time over two years. There are three fields of study: business/commercial, physical/landscape, and social/community information analysis. For more information, see www.ryerson.ca/graduate/programs/spatial.

The department also contributes to the interdisciplinary graduate programs in Environmental Applied Science and Management (M.A.Sc., Ph.D.), Immigration and Settlement Studies (M.A.), and Policy Studies (Ph.D.).

ACADEMIC PLAN AND ADMISSION REQUIREMENTS: Ryerson's Geographic Analysis program aims to provide courses of career relevance with emphasis on the application of geographic knowledge to real world problems. The curriculum design allows students to specialize in at least two of the following areas: Retail/Industrial location, Recreation Studies, Environmental and Resources Management, Urban Analysis, and GIS. See: www.ryerson.ca/undergraduate/calendars/ for more information.

To qualify for admission to the undergraduate program, applicants must have acquired or be eligible to receive the Ontario Secondary School Diploma (OSSD) or equivalent with a minimum of six Grade 12 U or M courses (a minimum grade of 60% is required in each; a minimum overall average of 70% establishes eligibility for admission consideration, but is subject to competition where higher pre-requisite grades and/or higher overall averages may be necessary. It is required that applicants include English/Anglais, and recommended that they have Geography and Mathematics in their program. Further information can be found at: www.ryerson.ca/undergraduate/admission/programs/geog.html.

FACULTY:

Abednego Aryee, Ph.D., Wilfrid Laurier, 2008 — resource management, sustainable development, agrodiversity conservation, GIS
David Atkinson, Ph.D. Queen's (Canada), 2013 — Arctic biophysical systems, remote sensing, GIS
Joseph Aversa, M.S.A., Ryerson, 2010 — business GIS, retail geography/location planning in the GTA, retail internationalization in Canada
Douglas Banting, Ph.D., Western Ontario, 1982 — GIS, cartography, physical geography
Michal Bardecki, Ph.D., York (Canada), 1981 — wetlands, environmental impact assessment, environmental education, Nepal
Harald Bauder, Ph.D., Wilfrid Laurier, 1998 — critical geographies, international migration, labour markets, geographic practice
Valentina Capurri, Ph.D., York (Canada), 2010 — urban geography, globalization, immigration, citizenship and identity
Brian Ceh, Ph.D., Western Ontario, 1994 — business and commercial geography, GIS, urban-economic, quantitative
Philip Coppack, Ph.D., Waterloo, 1985 — economic geography, globalisation, quantitative methods
Eric de Noronha Vaz, Ph.D., NOVA Lisbon, 2011 — GIS, complex systems, regional and urban planning, neogeography
K. Wayne Forsythe, Ph.D., Salzburg, 1999 — geospatial analysis of contaminated sediments, urban change detection, remote sensing, GIS
Larry Fullerton, M.A., York (Canada), 1970 — demography, recreation
Sutama Ghosh, Ph.D., York (Canada), 2006 — immigration and settlement, transnationalism, race and racism
Christopher Greene, Ph.D. (ABD), Ryerson, 2014 — urban forestry, sustainability, environmental decision making

Tony Hernandez, Ph.D., Manchester, 1998 — GIS, marketing geography, geodemographics, commercial activity
Hersch Jacobs, Ph.D., Toronto, 1976 — geography of food, rural, analysis of risk
Peter Kedron, Ph.D., Buffalo (SUNY), 2012 — economic and urban geography, spatial analysis, GIScience
Dan Jakubek, M.S.A., Ryerson, 2002 — spatial literacy, municipal applications of GIS
Susan Laskin, M.A., Toronto, 1979 — geography of Canada, cartography, GIS, distance education
Michael MacDonald, M.S.A., Ryerson, 2004 — GIS applications, programming
Jeanne Maurer, M.A. Toronto, 1992 — agriculture and rural land use, globalization, world cities, political ecology
Andrew Millward, Ph.D., Waterloo, 2004 — urban forestry and disturbance ecology, applications of remote sensing and spatial data handling
Claus Rinner, Ph.D., Bonn, 1999 — GIS, cartographic visualization, web mapping, spatial decision support systems (SDSS)
Stephen Swales, M.A., Calgary, 1982 — land use development and planning, GIS
Lu Wang, Ph.D., York (Canada), 2004 — medical geography, immigrant health, economic geography, consumption and retailing, mixed-method approaches
Shuguang Wang, Ph.D., Alberta, 1994 — geography of retailing, ethnic economy, immigrant settlement patterns, China

UNIVERSITY OF GUELPH

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1966

GRADUATE PROGRAM FOUNDED: 1968

DEGREES OFFERED: BA, BSc, BSc (Env), MA, MSc, PhD

GRANTED 9/1/12-8/31/13: 97 Bachelors, 13 Masters; 2 PhD

STUDENTS IN RESIDENCE: 239 Majors, 36 Masters, 15PhD

NOT IN RESIDENCE: 3 PhD, 0 Masters

CHAIR: Alice Hovorka

DEPARTMENT ADMINISTRATIVE ASST: Jennifer Beehler

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: See web site: www.uoguelph.ca/geography

PROGRAMS AND RESEARCH FACILITIES: The Department offers Master's and Doctoral degrees. MA and MSc degrees include opportunities to specialize in human-environment geography, environmental geoscience and geomatics. Both thesis and non-thesis options of the above programs are available. Thesis and non-thesis collaborative Master's programs in international development studies also are offered. The PhD program offers opportunities for advanced research in areas focusing on these same areas. PhD theses can be completed in the form of a traditional dissertation, or as manuscripts. The Department has extensive computer facilities for data analysis and GIS, and has fully equipped geomorphology labs which include a wind tunnel, flume, and wave tank. The Department's programs are supported by an excellent University Library collection.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Trimester system. Admission requirements: at least a B average in Honours Geography or equivalent for the MA/MSc; at least an A- average at the Master's level for the PhD. Subject to satisfactory performance, the Department of Geography guarantees that full time Master's students will have minimum funding

of \$ \$16,830 in Semesters 1 to 3 and \$11,220 in Semesters 4 and 5. Doctoral students who have not waived the normal guaranteed minimum funding arrangement and who meet minimum performance requirements are guaranteed a minimum of \$17,500 per year for three years. Because of the close collaborative relationship that typically exists between students and their faculty advisors, excellent support for field work and equipment is usually also provided.

FACULTY:

Lorne P. Bennett, PhD, Ottawa, 1989, Associate Professor — physical geography, biophysical processes, Niagara Escarpment
Aaron A. Berg, PhD, California, 2003, Professor — physical geography, hydrology and climate
Benjamin E. Bradshaw, PhD, Guelph, 1999, Associate Professor — environmental governance
Jaclyn Cockburn, PhD, Queens, 2008, Assistant Professor — sedimentary process and climate change
Ze'ev Gedalof, PhD, Washington, 2002, Associate Professor — physical geography, paleoecology, biogeography, dendrochronology
Noella J. Gray, PhD, Duke, 2009, Assistant Professor — political ecology, resource management, marine conservation
Evan Fraser, PhD, UBC, 2002, Professor and Canada Research Chair — challenges to global food security in 21st century
Roberta Hawkins, PhD, Clark, 2011, Assistant Professor — environment and development
Alice J. Hovorka, PhD, Clark, 2002, Professor — urban geography, political ecology, gender, Southern Africa
Richard G. Kuhn, PhD, Alberta, 1987, Associate Professor — resource management, environmental assessment, nuclear fuel waste disposal
John B. Lindsay, PhD, Western Ontario, 2005, Associate Professor — GIS and spatial analysis, hydro-geomorphology, and digital terrain analysis
Janet E. Mersey, PhD, Wisconsin, 1984, Associate Professor — GIS, cartography, remote sensing
Kate Parizeau, PhD, Toronto, 2011, Assistant Professor — social context of waste management
Jennifer Silver, PhD, Simon Fraser, 2010, Assistant Professor — political ecology and ocean governance
John A. Smithers, PhD, Guelph, 1994, Professor and Chair — sustainable agriculture, resource management, local food systems
Wanhong Yang, PhD, Illinois, 2000, Associate Professor — GIS, resource management, spatial analysis

EMERITUS FACULTY:

Gerald Bloomfield, PhD, Nottingham, UK, 1964, Professor — analysis of motor and aircraft industries of the British Isles
Fred Dahms, PhD, Auckland, 1966, Professor — evolution of large urban centres, small rural towns
Robin G. Davidson-Arnott, PhD, Toronto, 1975, Professor — geomorphology, coastal studies
Alun E. Joseph, PhD, McMaster, 1976, Professor — social geography, restructuring, rural community change
Philip Keddle, PhD, Waterloo, 1976, Professor — agricultural geography, sustainable rural community, social geography
Reid D. Kreutzweiser, PhD, Western Ontario, 1978, Professor — resource management, water resources, policy evaluation
Kiyoko Miyayoshi, PhD, York, 1984, Professor — plant geography, plant population, dynamics, fire ecology disturbance ecology
William G. Nickling, PhD, Ottawa, 1976, Professor — physical geography, aeolian processes
Barry E. Smit, PhD, McMaster, 1977, Professor and Canada Research Chair — environment and resource use, global change, vulnerability
KC Tan, PhD, London, UK, 1966, Professor — political geography

UNIVERSITY OF OTTAWA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1951

GRADUATE PROGRAM FOUNDED: 1954

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

CHAIR: Konrad Gajewski

DEPARTMENT ADMINISTRATIVE ASST: Nathalie Maras

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Graduate Chair, Department of Geography, University of Ottawa, 60 University, Ottawa, Ontario, Canada K1N 6N5. Telephone (613) 562-5725. Fax (613) 562-5145. E-mail: geog@uottawa.ca. Internet: www.geography.uottawa.ca/

PROGRAMS AND RESEARCH FACILITIES: Located in North America's only major bilingual university (English and French), the Department offers courses and supervision in both English and French. The bilingual character of the Department provides the benefit of exposure to both the English-North American and French schools of thought.

At the M.A., M.Sc. and Ph.D. levels, there are three fields of teaching and research interests (which include several areas of specialization), as follows: (1) Physical Geography of cold regions (geomorphology and quaternary environments). (2) Space, place and society (economic, social and cultural geography). (3) Environment Change (Environmental Impact Assessment, Long term changes, Adaptation and Mitigation). There is a strong interest in GIS and spatial analysis.

Students have access to excellent GIS, Remote Sensing, Paleoclimatology and Physical Geography laboratory facilities within the Department, as well as a large map and air photo library. Furthermore, Ottawa offers numerous specialized federal government libraries and the facilities of embassies and consulates. The campus is located near these facilities in the city center.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

In the M.A. and the M.Sc. program, two semesters of courses are followed by an examination of the thesis proposal and thesis. The Ph.D. program is composed of two semesters with a research seminar and course work, then a comprehensive examination, a thesis proposal and the thesis.

ADMISSION REQUIREMENTS: Unilingual candidates are admissible to the program in Geography, but are expected to acquire a basic knowledge of the second official language of Canada. Minimum of B+ standing in previous academic work. Exceptions are considered.

FINANCIAL AID: Up to \$74,000 (for 12 sessions) for Ph.D. students; up to \$34,000 (for 6 sessions) for M.A. and M.Sc. students. Funds are derived from teaching assignments, research assistantships and Faculty of Graduate and Postdoctoral Studies Scholarships. Additional funds may be obtained from staff contracts and grants. Applicants seeking departmental funding are required to make applications to external scholarships, e.g., SSHRC, NSERC, OGS, etc.

APPLICATION DEADLINE: To be considered for departmental or university funding, applications must be received by May 1st.

FACULTY:

Kenza Benali, Ph.D., Montreal, 2008, Assistant Professor — gentrification and urban revitalization, urban morphology, history and theories of the city
Marc Brosseau, Ph.D., Paris IV, 1992, Professor — urban and cultural geography, history of geographical thought, geography and literature interface

Huhua. Cao, Ph.D., Laval, 1998, Associate Professor — geomatics, urban and regional geography, spatial analysis, Chinese metropolitan areas

Luke Copland, Ph.D., Alberta, 2001, Associate Professor — climate change, cold regions, glaciology, geomatics

Eric Crighton, Ph.D. 2005, Associate Professor — environmental health, health geography, spatio-temporal analysis of illness

Jackie Dawson, Ph.D., Waterloo, 2009, Assistant Professor — environmental change, adaptation, resilience, marine governance, Arctic shipping

Konrad Gajewski, Ph.D., Wisconsin, 1983, Professor — biogeography, climatology

Anne Gilbert, Ph.D., Ottawa, 1985, Professor — social and cultural geography, regional geography

Denis Lacelle, Ph.D., Ottawa, 2006, Assistant Professor — cold regions, permafrost, ground ice, stable isotope geochemistry, climate change

Bernard Lauriol, Ph.D., Montreal, 1981, Professor — stratigraphy and Quaternary geomorphology

Antoni Lewkowicz, Ph.D., Ottawa, 1981, Professor — permafrost geomorphology and hydrology, Arctic region, impacts of climatic change

Brenda Macdougall, Ph.D., Saskatchewan, 2005, Associate Professor — Metis history and culture, landscape and memory, digital research, historical processes of identity formation

Brian K. Ray, Ph.D., Queen's, 1992, Associate Professor — immigrant integration, immigrant housing, immigrant Women and Social Networks, Social Justice

Marc Saner, Ph.D., Switzerland, 1991 — Environmental ethics, governance and ethics of emerging technologies, risk management and risk governance, interface between science and policy

Michael C. Sawada, Ph.D., Ottawa, 2001, Associate Professor — GIS, spatial analysis, continental-scale paleoenvironmental change

Luisa Veronis, Ph.D., Toronto, 2006, Assistant Professor — transnationalism, citizenship, immigrant communities and identities, Latin Americans in Canada, neo-liberal governance, the nonprofit sector

Andre Viau, Ph.D., Ottawa, 2003, Assistant Professor — climatology, climate system history and dynamics, abrupt climate change

Sonia Wesche, Ph.D., Wilfrid Laurier, 2009, Assistant Professor — environmental change, vulnerability and adaptation, climate change, food security, aboriginal health

EMERITI FACULTY:

Hugh French, Ph.D., Southampton, 1967 — permafrost geomorphology, Arctic Canada

Peter Johnson, Ph.D., Leeds, 1969 — geomorphology, Yukon Territory

Léon Ploegaerts, Ph.D., Montreal, 1975 — urban and regional planning, urban morphology

Denis A. St-Onge, D.Sc., Louvain, 1962, Ph.D. (Hon. Causa, Manitoba) — geomorphology, Quaternary geology, Arctic

Barry Wellar, Ph.D., Northwestern, 1969 — urban and regional development, public policy analysis, transportation

ADJUNCT PROFESSORS:

David Burgess, Ph.D., Alberta, 2006 — Arctic glaciology

Pierre Camu, Ph.D., Montreal, 1951 — transportation and communication

Laurence Gray, Ph.D., Calgary, 1971 — remote sensing, radar interferometry, glaciology, ice dynamics, Arctic, Antarctic, climate change

Sharon, Smith, Ph.D., Carleton, 1992 — permafrost, Arctic Canada, climate change

Christian Zdanowicz, Ph.D., New Hampshire — glaciology, Quaternary geology, paleoclimatology, environmental geochemistry

UNIVERSITY OF TORONTO

DEPARTMENT OF GEOGRAPHY AND PROGRAM IN PLANNING

DATE FOUNDED: 1935

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

Geography; M.Sc. Planning; Ph.D. Planning

GRANTED 9/1/12 - 8/31/13: 663 Bachelors, 57 Masters, 11 Ph.D.

STUDENTS IN RESIDENCE: 116 Masters, 101 Ph.D.

NOT IN RESIDENCE: N/A

CHAIR AND GRADUATE CHAIR: Virginia Maclaren

ADMINISTRATIVE ASST: Yvonne Kenny

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Graduate or Undergraduate Program Administrator, Department of Geography and Program in Planning, University of Toronto, 100 St. George, Sidney Smith Hall - Room 5047, Toronto, Ontario, Canada M5S 3G3. Telephone (416) 978-3375 Fax (416) 946-3886 E-mail: geograd@geog.utoronto.ca (for graduate programs) or undergrad@geog.utoronto.ca (for undergraduate programs) Website: www.geography.utoronto.ca

PROGRAMS AND RESEARCH FACILITIES: The University of Toronto has a tri-campus graduate program that includes faculty members from the Mississauga, St. George and Scarborough campuses. Each of the three campuses has a separate undergraduate program. The Geography M.A. and M.Sc. programs comprise two terms of graduate coursework and completion of either a thesis or a research paper. The Ph.D. requires completion of two terms of coursework, a comprehensive exam, and the preparation of a doctoral thesis or three publishable papers. This program requires two years in residence

The Department is prepared to supervise graduate research in climatology, geomorphology, remote sensing, climate change, bioenergy, chemical and physical hydrology, resource and environmental management, cultural and social geography, historical geography, urban design, urban sustainability, economic geography, regional development, urban geography and planning. The Department conducts research on Canada, the United States, Latin America, Africa, Western Europe, and East and South Asia. In addition, the Department offers specialized training in GIS and remote sensing at the Master's and Doctoral levels

The Department also offers a Master's degree in Planning, a two-year professional degree that is taught by planners and geographers with planning interests and by practitioners from the wider community. Five specializations are offered: urban, economic, social, environmental and urban design. The Ph.D. in Planning, like the Geography Ph.D., is a research degree requiring the preparation of a doctoral thesis. The Ph.D. program has three specializations: Cities in Global Context: Economic Development and Social Planning, Environmental and Sustainability Planning, and Urban Development, Design and the Built Environment

The Department offers collaborative graduate degrees in Environmental Studies, Environment and Health, Aboriginal Health, Asia-Pacific Studies, Community Development, Diaspora and Transnational Studies, Ethnic and Pluralism Studies, Global Health, Jewish Studies, Sexual Diversity Studies, South Asian Studies and Women and Gender Studies

The University library, with more than 13 million holdings has the largest collection of books and documents in Canada and is one of the top collections in North America. The Department supports a graduate computing lab, a GIS and remote sensing lab, a collaboratory, a GIS and cartography office, and an urban design lab.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Academic Plan

Year system, with entrance in September. **Admission Requirements** Minimum requirement is a bachelor's degree from a recognized university with at least upper second class standing (B+) for Masters and first class standing (A-) for Ph.D. Exceptions permitted in unusual circumstances. **Financial Aid** All students offered admission, except those in the Master's degree in planning, are guaranteed funding packages of a minimum of \$15,000 plus tuition for one year in the Geography Master's program and four years for the Ph.D. in Geography or Planning. Funding is derived from a mixture of sources including teaching assistantships, research assistantships, University of Toronto fellowships, and other fellowships. Teaching and research assistantships carrying stipends of approximately \$8,000 and \$3,000, respectively are available and involve not more than ten hours work per week. Departmental awards, entrance scholarships, University of Toronto fellowships and external fellowships (Social Sciences and Humanities Research Council of Canada, Natural Sciences and Engineering Research Council of Canada, Ontario Graduate Scholarships, etc.) range from \$3,000 to \$35,000. Students in the Master's in Planning program may be offered entrance scholarships, teaching assistantships, departmental awards, and research assistantships. Summer employment in the department may be available for students in any of the four graduate programs

FACULTY:

Christian Abizaid, Ph.D., McGill, 2007, Assistant Professor — peasant livelihoods, human responses to environmental change, human-induced environmental change, land use and land cover change, environment and development, neotropical forests, Latin America

George B. Arhonditsis, Ph.D., University of the Aegean, Greece, 1998, Associate Professor — aquatic biogeochemical modeling, plankton ecology/foodweb dynamics, watershed-aquatic ecosystem interactions, aquatic ecosystem response to climatic variability, modeling of the disinfection by-products (DBPs) formation in water treatment plants

Alana Boland, Ph.D., 2001, Washington, Associate Professor — institutional reforms in urban water supply, green developmentalism, environmental governance, urban political economy and environment in the context of water supply and pollution control, sustainable economies, environmental indicators, China

Donald Boyes, Ph.D., Western Ontario, 1998, Senior Lecturer — Geographic IS, remote sensing, fluvial geomorphology

Ronald N. Buliung, Ph.D., McMaster, 2004, Associate Professor — Transportation and land use planning, activity-travel analysis, GIS, spatial analysis, retail innovation and consumer travel

Susannah Bunce, Ph.D., York, 2008, Assistant Professor — urban community and neighbourhood geography, urban political ecology, urban sustainability policy and practice, urban residential geography

Jing Chen, F.R.S.C., CRC; Ph.D., Reading, 1986, Professor — climatology/hydrology, carbon cycling, remote sensing, GIS

Tenley M. Conway, Ph.D., Rutgers, 2003, Associate Professor — landscape ecology, land use/cover change, GIS, urban environment, remote sensing, landscape ecology

Deborah Cowen, Ph.D., Toronto, 2005, Associate Professor — geographies of citizenship, security and war, social space, cities, logistics, sub/urban political geography

Amrita G. Danieri, Ph.D., Harvard, 1990, Professor — urban development and investment patterns, urban environmental planning in developing areas, environmental infrastructure, associational life, poverty

Joseph R. Desloges, Ph.D., British Columbia, 1987, Professor — fluvial and glacial geomorphology, lacustrine, Holocene, glaciomarine, human impact, climate change, floodplain geoaerchaeology

Pierre Desrochers, Ph.D., Universite de Montreal, 2000, Associate Professor — economic geography, entrepreneurship, technology transfer

Richard J. DiFrancesco, Ph.D., McMaster, 1995, Associate Professor — urban economic and environmental economics, Canadian North

Timothy P. Duval, Ph.D., McMaster, 2010, Assistant Professor — wetland hydrology and biogeochemistry, watershed hydrology and biogeochemistry, stream nutrient dynamics, nitrogen and phosphorus cycling, redox chemistry, terrestrial-aquatic ecotones, wetland restoration and construction

Matthew Farish, Ph.D., British Columbia, 2003, Associate Professor — militarism and geopolitics, the Cold War, environmental history, American Studies, urban culture

Meric S. Gertler, F.R.S.C., Ph.D., Harvard, 1983, Goldring Professor of Canadian Studies — economic development in city-regions, innovation systems, comparative capitalisms

Emily Gilbert, Ph.D., Bristol, 1998, Associate Professor — cultural geography, cultural theory, globalization, nationalism, culture and economy, money, nation-states, citizenship, borders, security

Kanishka Goonewardena, Ph.D., Cornell, 1998, Associate Professor — urbanism and critical theory, planning theory and neoliberal globalization, modernity and nationalism (postcolonial and diasporic)

William A. Gough, Ph.D., McGill, 1991, Associate Professor — climate change in Hudson Bay, numerical ocean and climate modeling, air quality in southwestern Ontario, climate of Toronto

Jason Hackworth, Ph.D., Rutgers, 2000, Professor — urban and economic geography, political economy, uneven development, governance, theorizing and understanding neoliberal governance, forms of neoconservative governance (faith-based social welfare), social housing in Canada and the US

Ju Hui Judy Han, Ph.D., Berkeley, 2009, Assistant Professor — religion and secularisms, travel and mobilities, gender and sexuality, urban political geography, East Asia (Korea)

L. D. Danny Harvey, Ph.D., Toronto, 1986, Professor — climate modeling and physical basis of climate, global warming, energy efficiency and renewable energy, energy policy

Yuhong He, Ph.D., Saskatchewan, 2008, Assistant Professor — remote sensing, advanced spatial analysis, climate change, grassland productivity and biodiversity and forest disturbance

Paul Hess, Ph.D., Washington, 2001, Associate Professor — urban design, pedestrian planning, planning history

Mark Hunter, Ph.D., Berkeley, 2005, Associate Professor — health and inequality, AIDS, sexuality, political economy, critical development studies, South Africa

Marney Isaac, Ph.D., Toronto, 2008, Assistant Professor — agroforestry, agroecology, soil fertility, plant nutrition, localized management knowledge, ecological services, social-ecological systems, social networks, cognitive mapping

Thembele Kepe, Ph.D., Western Cape, South Africa, 2002, Associate Professor — people-environment interactions, land rights, politics of development projects, southern Africa

Nicole Klenk, Ph.D., British Columbia, 2008, Assistant Professor — social studies of science, environmental policy, climate change adaptation, environmental governance

Deborah Leslie, Ph.D., British Columbia, 1995, Professor — economic geography, cultural industries, feminist geography, cultural industries and urban-economic development, the politics of the creative city

Robert D. Lewis, Ph.D., McGill, 1992, Professor — urban historical, North America

Joseph Leydon, Ph.D., Toronto, 1995, Senior Lecturer — regional geography of North America, colonial North America and the Caribbean, population dynamics, retail analysis

Kenneth Ian MacDonald, Ph.D. Waterloo, 1995, Associate Professor — international development, politics of biodiversity conservation, transnationalism, cultural politics, identity, consumption, nature-society relations, South Asia

- Virginia Maclaren, Ph.D., Cornell, 1984, Associate Professor and Chair — sustainability indicators, environment management and planning, urban waste management, community indicators, community participation, Southeast Asia
- Minelle Mahtani, Ph.D., University College, London, 2000, Associate Professor — critical “mixed race” theory, women of colour in geography and planning, media and minority representation, geographies of media, diversity and inclusion in pedagogy in geography
- Deborah McGregor, Ph.D., Toronto, 2000, Associate Professor — traditional environmental knowledge, First Nations and land/environment issues, Aboriginal environmental and resource management, Aboriginal health/education, sustainable forest management, water management and first nations
- Carl Mitchell, Ph.D., Toronto, 2006, Associate Professor — hydrology; biogeochemistry; mercury and methylmercury; anaerobic soils; wetlands; sulfur cycling; biogeochemical hot spots; snowmelt; redox chemistry; environmental microbiology
- John Miron, Ph.D., Toronto, 1974, Professor — household formation, migration, housing demand, housing policy location theory, urban spatial structure and change, migration and regional economic growth
- Sharlene Mollett, Ph.D., Toronto, 2006, Assistant Professor — land and natural resource conflicts, political ecology, international development and racialization, Latin America, race, gender and property rights, indigenous peoples and Afro-descendent communities, feminist and post-colonial geographies
- Barbara Murck, Ph.D., Toronto, 1986, Senior Lecturer — environmental issues in developing countries
- Andrea Olive, Ph.D., Purdue, 2009, Assistant Professor — environmental policy, conservation, private property, Arctic politics, indigenous politics, Canada-US relations
- Scott Prudham, Ph.D., Berkeley, 1999, Professor — natural resources, environment and society, political economy, political ecology, biotechnology, history and political economy of scientific and industrial forestry, critical theory and/of nature
- Katharine N. Rankin, Ph.D., Cornell, 1999, Associate Professor — gender and development, culture-economy articulations, market regulation, ethnographic models, planning theory, Southeast Asia
- Raj Narayanareddy, Ph.D., Minnesota, Assistant Professor — geographies of waste and labour, urban political ecology, global urbanism, cities of the global South, South Asia
- Vincent B. Robinson, Ph.D., Kent State, 1978, Associate Professor — geographic information science, ecological modeling, spatial analysis
- Susan Ruddick, Ph.D., UCLA, 1992, Professor — social theory, philosophy and geography, space and power, social construction of childhood, child rights and policy, social exclusion, governance and citizenship, conflicts in public space, the public sphere
- Rachel Silvey, Ph.D., Washington, 1997, Associate Professor — migration and immigration, Indonesia, feminist theory, critical development studies, Islam and the politics of transnationalism, gender/religion/difference, South East Asia (Indonesia)
- Matti Siemiatycki, Ph.D., British Columbia, 2006, Associate Professor — transportation policy and planning, infrastructure finance and delivery, community and regional planning
- Andre Sorensen, Ph.D., London, 1998, Associate Professor — urban planning, land use change, Japan, citizen’s movements, property rights, institutionalism
- Sarah Wakefield, Ph.D., McMaster, 2002, Associate Professor — environmental health, civic participation in environmental management, and urban food security, community-based research
- Alan Walks, Ph.D., Toronto, 2004, Associate Professor — urban social and political geography, electoral geography, social polarization, housing policy, politics of planning
- Mathew G. Wells, Ph.D., Australian National University, 2001, Associate Professor — environmental fluid dynamics, turbulence modeling, mixing and dispersion of nutrients and larvae
- Kathi Wilson, Ph.D., Queens, 2000, Professor — health geography and First Nations studies
- Jun Zhang, Ph.D., Minnesota, 2007, Assistant Professor — urban and regional economic development, geographic theorizing of markets, states, and institutions, geography of innovation and entrepreneurship

EMERITI FACULTY:

- Larry S. Bourne, Ph.D., Chicago, 1966, Professor Emeritus — urban systems, urban spatial structure, housing, social and spatial inequalities
- John N. H. Britton, Ph.D., London, 1966, Professor Emeritus — industrial development and technological policy
- Rorke Bryan, Ph.D., Sheffield, 1967, Professor Emeritus — experimental geomorphology, soil conservation, arid lands development
- Michael Bunce, Ph.D., Sheffield, 1970, Associate Professor Emeritus — agricultural change in urban regions, rural settlement, rural planning and policy, cultural/environmental production and construction of countryside, sustainable development in small island states
- Ian Burton, Ph.D., Chicago, 1962, Professor Emeritus — environmental hazards, perception and decision-making in resource management
- Anthony M. Davis, Ph.D., Wisconsin, 1975, Associate Professor Emeritus — biogeography, palynology/paleoecology
- Gunter H. K. Gad, Ph.D., Toronto, 1976, Professor Emeritus — office location and business linkages, urban historical
- Jock H. Galloway, Ph.D., London, 1965, Professor Emeritus — Latin America, historical geography of Brazil, sugar industry
- Gordon Gracie, Ph.D. Illinois, 1963, Professor Emeritus — photogrammetric mapping, analytical photogrammetry, survey analysis
- Brian Greenwood, Ph.D., Bristol, 1970, Professor Emeritus — coastal geomorphology, nearshore hydrodynamics and sedimentation, morphodynamics
- A.P. Lino Grima, Ph.D., Toronto, 1970, Associate Professor Emeritus — environmental management, public participation
- Reiner Jaakson, Ph.D., Waterloo, 1972, Professor Emeritus — recreation, survey methods, ecotourism
- Thomas F. McIlwraith, Ph.D., Wisconsin, 1973, Professor Emeritus — Ontario landscape, nineteenth-century technology and transport, heritage conservation
- Aidan McQuillan, Ph.D., Wisconsin, 1975, Professor Emeritus — historical geography of rural North America
- D. Scott Munro, Ph.D., McMaster, 1975, Professor Emeritus — microclimatology, hydroclimatology, surface and basin climatology of glaciers, hydrometeorological modeling, remote sensing, energy exchange processes
- Anthony G. Price, Ph.D., McGill, 1975, Associate Professor Emeritus — hydrology, forest soils; the Boreal forest of the Canadian Shield; montane forests in subtropical N.E. Mexico
- Edward C. Relph, Ph.D., Toronto, 1973, Professor Emeritus — place and humanistic geographies
- Shoukry T. Roweis, Ph.D., M.I.T., 1973, Professor Emeritus — urban planning and political processes
- James W. Simmons, Ph.D. Chicago, 1964, Professor Emeritus — Canadian urban system, growth and policy
- Alan Waterhouse, Ph.D. Berlin, 1968, Professor Emeritus — urban design, urban planning policies
- Joseph B.R. Whitney, Ph.D., Chicago, 1979, Professor Emeritus — China’s environment, waste management, energy systems in developing countries

WATERLOO-LAURIER GRADUATE PROGRAM IN GEOGRAPHY

**DEPARTMENTS OF GEOGRAPHY
UNIVERSITY OF WATERLOO AND WILFRID
LAURIER UNIVERSITY**

DATE FOUNDED: 1992

DEGREES OFFERED: M.A., M.E.S., MSc., Ph.D.

GRANTED 9/1/12-8/1/13: 27 Masters, 16 Ph.D.

STUDENTS IN RESIDENCE: 126 Masters, 72 Ph.D.

NOT IN RESIDENCE: 20 Masters, 10 Ph.D.

DIRECTOR: Dr. Johanna Wandel, University of Waterloo

**GRADUATE PROGRAM ADMINISTRATOR: Susie
Castela, University of Waterloo**

FOR FURTHER INFORMATION WRITE TO: The Director's Office, University of Waterloo, Department of Geography & Environmental Management, 200 University Avenue West, Waterloo, Ontario N2L 3G1. Telephone (519) 888-4567, ext. 32730, scastela@uwaterloo.ca Internet: <http://geograd.uwaterloo.ca/>

PROGRAMS AND RESEARCH FACILITIES OF THE WATERLOO-LAURIER GRADUATE PROGRAM IN GEOGRAPHY: The departments of geography at the University of Waterloo and Wilfrid Laurier University jointly offer graduate work in Geography. The Waterloo-Laurier Graduate Program in Geography is responsible for admissions, for the program of instruction and for the naming of students supervisory committees. Students register at either the University of Waterloo or Wilfrid Laurier University (depending on where the supervisor is located), but will undertake coursework at both universities. Students in the program are governed by the general regulations of the university in which they are registered and their degree is granted by that university. The fields of research specialization in which the program offers training and research guidance at the Masters and Doctoral levels are: (1) environmental and resource management, (2) environmental science, (3) human geography, (4) geomatics. For graduates from a four-year honours program (or equivalent) in Geography, there are two routes for the MSc/M.A./M.E.S. - (1) the Thesis MSc/M.A./M.E.S. and (2) the Research Paper M.A./M.E.S. Requirements for the Thesis MSc/M.A./M.E.S. are five graduate courses and a thesis. Requirements for the Research Paper M.A./M.E.S. are eight graduate courses and a research paper. For the Ph.D. (after the M.A./M.E.S./MSc. degree), course requirements vary with the background and needs of the candidate. A dissertation is mandatory. Under special circumstances, a M.A./M.E.S./MSc. candidate may transfer to the Ph.D. program without completing a thesis.

Excellent cartographic, photo interpretation, remote sensing, GIS, and computer facilities are available to students in the Joint Program. Graduate student research can sometimes be assisted in financial and other ways by the following University of Waterloo and Wilfrid Laurier research centres and laboratories: Cold Regions Research Centre, Heritage Resources Centre, Wetlands Research Centre, Canadian Water Network Laboratory, Quaternary Sciences Institute, and the Waterloo Laboratory for Earth Observations.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Academic Plan: 3 terms (September-December, January-April, May-August). Admission Requirements - M.A.: B standing (75%) in four-year honours B.A./BES/BSc program or equivalent. Ph.D.: Must possess M.A. (or equivalent) and first-class standing. Financial Aid: Both departments guarantee a minimum level of funding through Teaching Assistantships (offered from September-April) and university scholarships which range in value from \$1,500

to \$7,000. In addition, exceptional students can expect additional scholarships and/or Research Assistantships through faculty research grants.

FACULTY IN THE GEOGRAPHY GRADUATE PROGRAM:

Jean Andrey, Ph.D., Waterloo, 1989, Professor — transportation, climatic hazards

Judy Bates, Ph.D., York, 1997, Associate Professor — local labour markets, gender, self-employment

Alison Blay-Palmer, Ph.D., Waterloo, 2003, Assistant Professor — sustainable food systems, multi-scaled economic development, Cuban organic agriculture, globalization

Alexander Brenning, Ph.D., Dr. rer. nat., Humboldt-Universität zu Berlin, 2005, Associate Professor — spatial statistics, terrain analysis and visualization, applications related to geomorphology and the cryosphere

Sarah Burch, Ph.D., British Columbia, 2009, Assistant Professor — governing responses to climate change (both adaptation and mitigation) in urban spaces.

Mary-Louise Byrne, Ph.D., McMaster, 1991, Associate Professor — coastal geomorphology, physical geography

Barbara Carmichael, Ph.D., Victoria, 1991, Professor — tourism, recreation, economic development

Judith Cukier, Ph.D., Waterloo, 1996, Associate Professor — tourism, gender and development marine parks, Southeast Asia, Caribbean

Peter Deadman, Ph.D., Arizona, 1997, Associate Professor — GIS, resource and environmental management

Jody F. Decker, Ph.D., 1989, York, Associate Professor — native issues, medical, cultural, historical, women's and environmental health issues

Brent Doberstein, Ph.D., British Columbia, 2001, Associate Professor — resource and environmental management, international development, environmental impact assessment, hazards

Sean Doherty, Ph.D., Toronto, 1998, Associate Professor — urban transportation geography GIS, energy efficiency

Claude Duguay, Ph.D., Waterloo, 1989, Professor — remote Sensing, Modeling, cryosphere, lakes

Michael C. English, Ph.D., McGill, 1985, Professor — sub-Arctic delta hydrology and geomorphology, watershed hydrology and chemistry

Christopher Fletcher, Ph.D., 2005, University College London, Assistant Professor — large-scale climate dynamics and teleconnections, seasonal-to-decadal climate prediction, land-ocean-atmosphere interaction

James Hamilton, Ph.D., McMaster, 1996, Associate Professor — climate change and paleoclimatology, hydrology and geomorphology of karst terrains in cold regions

Michael Imort, Ph.D., Queen's, 2000, Associate Professor — cultural-historical geography and environmental history

Peter Johnson, Ph.D., McGill, 2010, Assistant Professor — application and evaluation of geospatial technologies, especially agent-based models (ABM), geographic information systems (GIS), and the Geospatial Web 2.0 (Geoweb), for decision support systems.

Richard Kelly, Ph.D., Bristol, 1995, Professor — remote sensing of the cryosphere, especially snow and ice environments

Ellsworth LeDrew, Ph.D., Colorado, 1976, Professor — climatology, remote sensing

Jonathan Li, Ph.D., Cape Town, 2000, Professor — satellite remote sensing and urban mapping, intelligent object extraction algorithms, digital terrain modeling and analysis, wireless sensor networks and spatial sensor web, environmental modeling and visualization, WebGIS for disaster management, mobile mapping systems and ubiquitous mapping

Merrin Macrae, Ph.D., Wilfrid Laurier, 2003, Associate Professor — Biogeochemical cycling in natural and impacted systems under variable climatic regimes

Robert McLeman, PhD, Guelph, 2005, Associate Professor — human dimensions of environmental change

Robert Milne, Ph.D., Wilfrid Laurier, 2003, Assistant Professor — landscape ecology, environmental monitoring, ecotourism

Bruce Mitchell, Ph.D., Liverpool, 1969, Professor — natural resources, water management

Clare Mitchell, Ph.D., Waterloo, 1986, Associate Professor — rural, local economic development, retail

Alison Mountz, Ph.D., British Columbia, 2003, Associate Professor — Migration and political geography, struggles over border enforcement, asylum, and detention.

Brenda Murphy, Ph.D., Guelph, 2001, Associate Professor — Community vulnerability and capacity in the management of both natural and technological risks and disasters

Sanjay K. Nepal, Ph.D. Bern, 1999, Professor — Exploring the links between biodiversity conservation and tourism, particularly in areas of resolving conflicts between wildlife agencies and local communities, tourism impacts on the environment (in parks and protected areas, and remote communities), community participation, and local level development through tourism; Current research focus is in Nepal, Thailand and Western Canada

Paul K. Parker, Ph.D., London, 1990, Professor — resources, local economic development, energy, Japan and Pacific economy

Richard Petrone, Ph.D., Waterloo, 2002, Professor — wetland hydrology and climatology, wetland restoration, land-use change and agriculture

Jonathan S. Price, Ph.D., McMaster, 1988, Professor — hydrology, wetlands

Bill Quinton, Ph.D., Saskatchewan, 1997, Associate Professor — Boreal forest hydrology

Steven Roberts, Ph.D., Waterloo, 2003, Associate Professor — spatial optimization and spatial data models

Colin Robertson, Ph.D., Victoria, 2011, Assistant Professor — Geographical analysis of dynamic processes, quantitative geography, development and application of methods of spatial and space-time analysis

Derek Robinson, Ph.D., Michigan 2009, Assistant Professor — Center of land use, land management, and the carbon cycle; Agent-based modelling as an approach to integrate GIS, ecological, and human decision-making models to evaluate socio-economic contexts and policy scenarios on changes to land use and land cover, ecological function and the provision of ecosystem services, and human well-being

André Roy, Ph.D., State University of New York at Buffalo, 1982, Professor — specialization in Fluvial Dynamics

Daniel Scott, Ph.D., York, 1998, Associate Professor — climate change, tourism and recreation, protected areas, resource and environmental management

Steffanie Scott, Ph.D., British Columbia, 2002, Associate Professor — global and regional development processes, gender and ethnicity

Bob G. Sharpe, Ph.D., York, 1990, Associate Professor — social, economic, development, GIS

D. Scott Slocumbe, Ph.D., Waterloo, 1990, Professor — resource and environmental management, systems approaches, sustainability, ecosystem and landscape management and assessment

Micheal Stone, Ph.D., Waterloo, 1992, Professor — environmental planning, water quality, sediment/water interactions, water resources management

Su-Yin Tan, Ph.D., University of Cambridge, 2008, Lecturer — Geographic information systems (GIS); remote sensing; spatial statistics; ecosystem modelling and environmental monitoring; public health and medical geography applications; climate change

Tara Vinodrai, Ph.D., Toronto, 2005, Assistant Professor — economic geography, urban and regional economic development and policy, creative and cultural economy of cities, labour market dynamics and workforce development, design, innovation and technological change

Margaret Walton-Roberts, Ph.D., British Columbia, 2001, Associate Professor — immigration, population

Johanna Wandel, Ph.D., Guelph, 2006, Assistant Professor — Human dimensions of global change, Adaptation to climate change, vulnerability, drought management, agriculture, climate change

Brent Wolfe, Ph.D., Waterloo, 1997, Associate Professor — isotope hydrology and paleohydrology, paleolimnology, climate change

FACULTY CROSS-APPOINTED FROM OTHER DEPARTMENTS:

Derek Armitage, Ph.D., Waterloo, 2002, Associate Professor — community-based resource management, conservation and development, political ecology, Canada's North and Indonesia

Amelia Clarke, Ph.D., McGill 2010, Assistant Professor — community sustainable development strategies; corporate social and environmental responsibility; campus environmental management; collaborative strategic management; cross-sector partnerships; and youth-led social entrepreneurship

Rob de Loë, Ph.D. Waterloo, 1995, Professor — water governance and water policy: water security, water allocation, drinking water source protection, and adaptation to climate change

Susan Elliott, Ph.D., 1992, McMaster University, 1992, Professor — environment and health, health geography, environmental science, urban social geography and planning, research methods

Rob Feick, Ph.D., Waterloo, 2000, Professor — GIS, multi-criteria methods for land management, spatial decision support systems, public facility systems

Robert Gibson, Ph.D., Toronto, 1982, Professor — environmental assessment, planning and regulation, environmental journalism, environmental thought

Bryan Grimwood, Ph.D., Carleton, 2012, Assistant Professor — Geographies of nature-based travel, tourism, outdoor recreation, and leisure; Tourism ethics and environmental responsibility; Arctic tourism, livelihoods, and special places; Community-based participatory research; Experiential education and outdoor learning

Murray Haight, Ph.D., McMaster, 1973, Associate Professor — ecology, environmental planning, emphasis in waste management planning, municipal and industrial waste management, international focus in Southeast Asia

Keith Hipel, Ph.D., Waterloo, 1975, Professor — the development and application of conflict resolution, multiple objective decision making and time series analysis techniques from a systems design engineering perspective. The main application areas of these decision technologies are water resources management, hydrology, environmental engineering and sustainable development.

Ed Jernigan, Ph.D., MIT, 1975, Professor — Perception in the broadest sense, in particular vision and image processing, pattern recognition, non-linear and adaptive systems; more generally, systems thinking and design as knowledge integration

Paul Kay, Ph.D., Wisconsin, 1976, Associate Professor — water resources and climate change, religious (particularly Judaic) bases for environmental principles, nature in art, myth and folklore

Jane Law, Ph.D., New Brunswick, 2000, Associate Professor — GIS and spatial analysis methodologies and their applications in public health

Mary Louise McAllister, Ph.D., Queen's, 1990, Associate Professor — mineral resources and environmental policy (Brazil and Canada), environmental governance and public administration, community health and sustainability

Stephen Murphy, Ph.D., Queen's, 1993, Associate Professor — restoration and conservation ecology, urban ecology, plant ecology (invasive species and weeds in agroecosystems)

Maren Oelbermann, Ph.D., Guelph, 2002, Assistant Professor — soil ecosystems, tropical ecosystems, arctic ecosystems, agroecology, agroforestry

Dawn Parker, Ph.D., University of California at Davis, 2000, Associate Professor — Development of integrated socio-economic and biophysical models of land-use change; Agent-based modeling; Complexity theory; Geographic information systems; Environmental and resource economics

Andrea Scott, Ph.D., Waterloo, 2008, Assistant Professor — using data to improve model predictions

Bryan Smale, Ph.D., Western, 1988, Professor — Urban recreation geography; Quality of community life; Leisure and well-being across the lifespan; Spatial analysis

Roger Suffling, Ph.D., Guelph, 1976, Professor — natural resources planning and management, protected areas planning, landscape ecology of boreal forests and of urban areas, fire ecology, global warming, ecological restoration, community and economic development in small northern communities, environmental assessment

Larry Swatuk, Ph.D., Dalhousie, 1993, Associate Professor — current research and interests focus on the political ecology of natural resources governance and management, with a particular focus on water in Africa

Bryan Tolson, Ph.D., Cornell, 2005, Associate Professor — Advanced methods for environmental simulation model development and subsequent use in environmental decision-making; Environmental simulation model calibration, optimization, sensitivity and uncertainty analysis, particularly methods for computationally expensive simulation models.

WILFRID LAURIER UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

DATE FOUNDED: 1960

GRADUATE PROGRAM FOUNDED: 1965

DEGREES OFFERED: BA, BSc, MA, MES, MSc, PhD

GRANTED 9/1/12-8/31/13: 107 Bachelors, 12 Masters, 3 PhD (WLU only)

STUDENTS IN RESIDENCE: 344 Majors, 31 Masters, 24 PhD (WLU only)

(for total Masters and PhD numbers, refer to Waterloo-Laurier Graduate Program in Geography section)

CHAIR: Michael English

DEPARTMENT ADMINISTRATIVE ASST: Doreen Dassen

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Undergraduate Officers: Dr. S. Roberts (Geography) or Dr. J. Hamilton (Environmental Studies); *Graduate Coordinator:* Dr. B. Wolfe. Department of Geography and Environmental Studies, 75 University Avenue West, Wilfrid Laurier University, Waterloo, Ontario, Canada N2L3C5. Telephone (519) 884-0710, ext. 2160. Fax (519) 725-1342. Internet: <http://www.wlu.ca>

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The Department offers a variety of undergraduate programs including three four-year honours BA and three four-year honours BSc programs. Each program promotes breadth within the discipline while allowing student selected specialization. The areas of specialization within the Department are physical geography, resource and environmental management, human geography, and geomatics. honours students may participate in the co-op program, which offers work terms in the private or public sector.

GRADUATE: Refer to Waterloo-Laurier Graduate Program in Geography section.

Excellent cartographic, photo interpretation, remote sensing, GIS, and computer facilities are freely available to both graduate and

undergraduate students. In addition, the university operates a multidisciplinary Cold Regions Research Centre. Members are currently involved in research in high latitude or mountainous regions and are concerned with topics involving human habitation and resource extraction as well as environmental science. The Centre is well equipped with field equipment and computer facilities. The Centre actively encourages undergraduate and graduate students to become involved in cold regions research, and sponsors a series of research symposiums.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

GRADUATE: Refer to Waterloo-Laurier Graduate Program in Geography section.

FACULTY:

Judy Bates, Ph.D., York, 1997, Associate Professor — local labour markets, gender, self-employment

Alison Blay-Palmer, Ph.D., Waterloo, 2003, Associate Professor — sustainable food systems and communities, green economic development

Mary-Louise Byrne, Ph.D., McMaster, 1991, P.Geo, 2004, Associate Professor — coastal geomorphology, physical geography

Barbara Carmichael, Ph.D., Victoria, 1991, Professor — tourism, recreation, economic development, entrepreneurship

Simon Dalby, Ph.D., Simon Fraser, 1988, Professor — anthropocene geopolitics, climate change, environmental security

Jody F. Decker, Ph.D., 1989, York, Associate Professor — Native issues, medical, cultural, historical, women's and environmental health issues

Sean T. Doherty, Ph.D., Toronto, 1998, Professor — health, physical activity, diabetes, obesity, local food, parks, tourism, Global Positioning Systems

Michael C. English, Ph.D., McGill, 1985, Professor — temperate and Arctic, watershed hydrology and chemistry, subArctic delta hydrology and geomorphology

James Hamilton, Ph.D., McMaster, 1996, Associate Professor — climate change and paleoclimatology, hydrology and geomorphology of Karst terrains in cold regions

Michael Imort, Ph.D., Queen's, 2000, Associate Professor — cultural, historical, symbolic landscapes, landscape and nationalism, environmental history

Christopher Lemieux, Ph.D., Waterloo, 2008, Assistant Professor (limited term) — resource and environmental policy and management, climate change, institutional analysis, sustainability, science-policy interface

Robert McLeman, Ph.D., Guelph, 2005, Associate Professor — environmental migration, climate change adaptation

Robert J. Milne, PhD, Wilfrid Laurier University, 2003, Associate Professor — landscape ecology, wildlife management, environmental monitoring, vegetation dynamics and geomorphic processes

Alison Mountz, Ph.D., British Columbia, 2003, Associate Professor and Canada Research Chair — political, feminist, urban geography, migration

William L. Quinton, PhD, Saskatchewan, 1997, Associate Professor and Canada Research Chair — hydrology, GIS geochemical cycling, climate change, environmental management

Steven Roberts, Ph.D., Waterloo, 2003, Associate Professor — spatial optimization and spatial data models

Colin Robertson, Ph.D., Victoria, 2011, Assistant Professor — GIS, spatial analysis

Bob G. Sharpe, Ph.D., York, 1990, Associate Professor — social, economic, development, GIS, geographic education

D. Scott Slocombe, Ph.D., Waterloo, 1990, Professor — resource and environmental management, systems approaches, sustainability, ecosystem and integrated management and assessment

Margaret Walton-Roberts, Ph.D., British Columbia, 2001, Associate Professor — immigration, ethnicity, South Asian transnational practices

Brent Wolfe, Ph.D., Waterloo, 1997, Professor — past and present hydroecology of northern lake-rich landscapes

YORK UNIVERSITY

GRADUATE PROGRAM IN GEOGRAPHY
DEPARTMENT OF GEOGRAPHY, FACULTY OF
LIBERAL ARTS & PROFESSIONAL STUDIES
DATE FOUNDED: 1962

GRADUATE PROGRAM FOUNDED: 1967
DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.
GRANTED 9/1/12-8/31/13: 14 Masters, 6 Ph.D.
STUDENTS IN RESIDENCE: 456 Majors

(Undergraduate), 27 Masters, 33 Ph.D.
NOT IN RESIDENCE: 12 Masters, 11 Ph.D.

GRADUATE DIRECTOR: R. Das
DEPARTMENT CHAIR: S. Tufts
DEPARTMENT ADMINISTRATIVE ASST: K. Cunningham

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Graduate: Raju Das, Director, Graduate Program in Geography; Undergraduate: André Robert, Director of the Undergraduate Program, Department of Geography, Faculty of Liberal Arts & Professional Studies, York University, 4700 Keele St., Toronto, Ontario, Canada M3J 1P3. Telephone (416) 736-5106 (graduate); (416) 736-5107 (undergraduate). Fax (416) 736-5988. Internet: www.yorku.ca/laps/geog

PROGRAMS AND RESEARCH FACILITIES: The Geography Department offers undergraduate degrees in both the Faculty of Liberal Arts & Professional Studies and the Faculty of Science, and a certificate program in GIS and Remote Sensing. Geography majors intending to pursue a teaching career may apply to co-register in the Faculty of Education in their second year. More than 70 courses are offered by the department each year in a full range of topics leading to either a B.A. or B.Sc. degree. The Department also offers a B.A. in Urban Studies and a B.Sc. in

Environmental Science. Students can take a 90-credit Bachelor Program or, if grade point average permits, choose from among several 120-credit Honors Bachelor Programs, many of them interdisciplinary in nature.

GRADUATE: Doctoral research is offered in two fields of specialization: Biophysical Processes and Critical Human Geography. The PhD degree requires 2.5 full courses and comprehensive examinations in preparation for dissertation research. Extensive opportunities for professional development in teaching and research skills are available. Support for fieldwork and research costs, as well as conference attendance is available. MA/MSc candidates choose one of two programs: (a) 2 full course equivalents and a thesis, (b) 3 full course equivalents and a major research paper. Research strengths in Critical Human Geography include: Development Studies; Feminist Geographies; Globalization: Economic Restructuring and Cultural Politics; Labour Geography and Labour Market Regulation; Nationalism, Citizenship, Empire and the State; Political Ecology, Landscape and Socio-Nature; Immigrant Communities, Migration and Transnationalism; and Urban Spaces and Social Issues. In Biophysical Processes research strengths include: Biogeography and Biogeochemistry; Fluvial Geomorphology and Hydrology; Geoinformatics; Northern Environments; and Streams, Wetlands and Watersheds. The Graduate Program in Geography also has close ties with interdisciplinary research units at York: the City Institute; York Centre for Asian Research; the Centre for Research on Latin America and the Caribbean; the Centre for Research on Work and Society; the Centre for Refugee Studies; the Centre of Excellence for Research on

Immigration and Settlement; and the Institute for Research and Innovation in Sustainability.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Full year program in the Faculty of Liberal Arts & Professional Studies and Faculty of Science. Information on admission requirements and financial assistance is available from the York University Admissions Office.

GRADUATE: Admission to MA/MSc study requires a recognized Honors degree, or equivalent qualification, with a minimum B (or second class) standing. Doctoral applicants are expected to have completed an MA/MSc by the time they enter the program with a minimum B+ average. Funding packages are offered to all graduate students, based on a combination of teaching assistantships, graduate assistantships and scholarships. Funding is provided to doctoral students for up to 6 years of study, and to Masters students for up to 2 years.

GRADUATE FACULTY:

Alison Bain, Ph.D., Cambridge, 2002, Associate Professor — Urban social, urban cultural, and feminist geography; creative city theory and cultural planning; geographies of artistic labour, creative practice, and cultural production; redevelopment and social inclusion in neighbourhoods, cities and suburbs; public space contestations and interventions; gender and sexual identity politics

Ranu Basu, Ph.D., University of Toronto, 2002, Associate Professor — Urban social and political geography/planning; theories of collective action and community organization; inequality and social justice; geographies of public education; geographic information systems (GIS) in the social sciences

Richard Bello, Ph.D., McMaster, 1983, Associate Professor — climate of northern environments; response of the hydrological cycle and carbon budget to global warming

Ulrich Best, Ph.D., Plymouth, 2005, Assistant Professor — critical geography; critical geopolitics of energy; geopolitics of Europe; border studies; urban inclusion/exclusion; history and theory of geography

Kean Birch, Ph.D., Oxford Brookes, 2007, Assistant Professor — economic geography; regional socio-economic development; European regional policy; knowledge economies; the emerging bioeconomy; varieties of neoliberalism and neoliberal restructuring; marketization through public-private partnerships; corporate power and governance

Jon Caulfield, Ph.D., York, 1991, Associate Professor — downtown Toronto neighbourhoods; residential redevelopment of deindustrialized space in inner Toronto; old church buildings in inner Toronto; use of photographs in urban research

Qiuming Cheng, Ph.D., Ottawa, 1994, Professor — GIS system development; spatial statistics and fractal modeling; spatial decision support system; non-linear image processing and pattern recognition; mineral resources assessment; water system modeling; mathematical geology

Raju Das, Ph.D., Ohio State, 1996, Associate Professor — political economy of Third World development; state theory and state-society relations; social capital; social movements; agroglobalization; South Asia

Taly Drezner, Ph.D., Arizona State, 2001, Associate Professor — Biogeography; arid lands; disturbance, invasion and dispersal

Lisa Drummond, Ph.D., Australian National University, 2000, Associate Professor — urban geography; gender; Southeast Asia; postcolonial cities; Asian popular culture; Vietnam

Bryn Greer-Wooten, Ph.D., McGill, 1968, Professor Emeritus — ontological and epistemological bases of geographic research relationships between social research and public policy processes, especially resource management (energy, global climate change) phenomenology of environment, especially women's narratives

- Lam Hae, Ph.D., Syracuse, 2007, Associate Professor — urban political economy, neoliberal urbanism, politics of urban subcultures, legal geographies, the right to the city
- Baoxin Hu, Ph.D., Boston, 1998, Associate Professor — remote sensing of vegetation; photogrammetry; canopy modeling
- Jennifer Hyndman, Ph.D., University of British Columbia, 1996, Professor — geographies of forced migration/immigration; humanitarian aid in response to conflict/asylum/disasters; refugee (re)settlement; critical and feminist geopolitics
- William Jenkins, Ph.D., Toronto, 2001, Associate Professor — cultural and historical geography; comparative geographies of Irish diasporas; immigration and North American urban history; Canada and the British imperial world; Irish-Canadian studies
- Roger Keil, Ph.D., Johann Wolfgang Goethe University, 1992, Professor — urban politics and governance; urban political ecology; global cities and infectious disease
- Philip Kelly, Ph.D., University of British Columbia, 1997, Professor — economic geography; labour; immigration and Canada-Asia transnationalism; Philippine and Southeast Asian development
- Stefan Kipfer, Ph.D., York University, 2004, Associate Professor — theories of society, politics and the city; comparative urban-regional politics and planning; urban social movements and restructuring; colonization, racialization and urbanization; suburbanization, territorial relations and regional planning; public housing; gentrification, privatization and redevelopment
- Ute Lehrer, Ph.D., University of California, Los Angeles, 2002, Associate Professor — cities and globalization; economic restructuring and urban form; political economy of the built environment; theory and history of planning, urban design and architecture; built environment, ethnicity and immigration to urban areas
- Lucia Lo, Ph.D., Toronto, 1988, Professor — consumer preferences and shopping behaviour; immigrant settlement and urban landscape change; ethnic entrepreneurship and ethnic economies; Chinese immigrants in Toronto; Geomatics and immigrant settlement services; spatial interaction modeling and transportation demand analysis
- Christopher Lortie, Ph.D., British Columbia, 2001, Associate Professor — Community; biogeography; invasion biology; climate change; stress interactions
- Elizabeth Lunstrum, Ph.D., Minnesota, 2007, Associate Professor — Environmental politics in conflict, post-conflict, and transnational spaces; violence and spatial relations; territory and state formation; gender relations; politics of human mobility; southern Africa
- Joseph Mensah, Ph.D., Alberta, 1993, Associate Professor — Critical development theory and Africa; gender and development; space, race, and employment; geography of Aboriginal land claims
- Lewis A. Molot, Ph.D., Alaska, 1981, Professor — limnology, biogeochemistry; organic carbon fluxes
- Glen B. Norcliffe, Ph.D., DSc., Bristol, 1970, Professor Emeritus — industrial restructuring; global economy; cultural production
- Linda Peake, Ph.D., Reading, 1983, Professor — feminist geography; gender, race and class relations in urban environments; urban-political geography; methodologies; Guyana
- Justin Podur, Ph.D., Toronto, 2006, Associate Professor — environmental modeling; forest fires; landscape fire modeling; climate change
- Valerie Preston, Ph.D., McMaster, 1978, Professor — gender and urban labour markets; immigration and Canadian cities; transnational migration and citizenship; social geography
- Roberto Quinlan, Ph.D., Queen's, 2000, Associate Professor — aquatic ecology; limnology; paleoecology
- John P. Radford, Ph.D., Clark, 1974, Professor Emeritus — social geography of the nineteenth century city; internal structure of cities in the United States South; public policy and intellectual disability
- Tarmo Remmel, Ph.D., Toronto, 2005, Associate Professor — multi-dimensional measurement and comparison of spatial patterns; spatial accuracy assessment; forest land cover change; post-disturbance vegetation recovery; open-source GIS/RS algorithm development
- André Robert, Ph.D., Cambridge, 1988, Associate Professor — form and process in rivers; experimental fluvial studies
- Robin Roth, Ph.D., Clark, 2004, Associate Professor — political ecology; environmental conservation and conflict; livelihood transitions in Southeast Asia; co-management institutions; gender and environment; forestry/land use
- Anders L. Sandberg, Ph.D., McGill University, 1985, Professor — resource management; forest and environmental history
- Jamie Scott, Ph.D., Chicago, 1990, Professor — geography and religion; geography and literature; geography and postcolonialism
- Steven Tufts, Ph.D., York, 2003, Associate Professor — Geographies of organized labour; labour union renewal; young workers and community economic development; workers in spaces of production/consumption
- Peter Vandergeest, Ph.D., Cornell, 1989, Associate Professor — Environments and identities in Southeast Asia; agro-food systems and industrial aquaculture; cultural politics of development
- Gerda R. Wekerle, Ph.D., Northwestern University, 1974, Professor — feminist geography; social movements; urban politics; social policy; growth management and environmental preservation; political ecology
- J. David Wood, Ph.D., Edinburgh, 1962, Professor Emeritus — frontiers; settlement; landscape transformation; Ontario; conservation
- Patricia K. Wood, Ph.D., Duke, 1995, Professor — citizenship; diversity and politics of identity; urban geography; native/non-native relations; immigration and multiculturalism; western Canada; feminist geography; historical geography; use of non-traditional sources
- Douglas Young, Ph.D., York, 2006, Associate Professor — Politics of urban planning and development; legacies of modern urbanism; urban infrastructure
- Kathy L. Young, Ph.D., McMaster, 1996, Professor — arctic wetland hydrology; slope hydroclimatology; regional snowmelt modeling
- Anna Zalik, Ph.D., Cornell, 2006, Associate Professor — global humanitarian/development studies, international aid industry, oil industry, political economy, comparative historical studies, post-coloniality

QUEBEC

CONCORDIA UNIVERSITY

DEPARTMENT OF GEOGRAPHY, PLANNING AND ENVIRONMENT

DATE FOUNDED: 1964

DEGREES OFFERED: B.A., B.Sc., MEnv and Graduate Diploma (Environmental Impact Assessment), M.Sc. (Geography, Urban and Environmental Studies)

STUDENTS IN RESIDENCE: 1060 Majors, 116 Masters, 4 Diplomas

CHAIR: Monica Mulrennan

DEPARTMENT ADMINISTRATOR: Anne Pollock-McKenna

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Concordia University, Department of Geography, Planning and Environment 1455 de Maisonneuve Blvd. West. Montreal, Quebec, Canada H3G 1M8. Telephone (514) 848-2424 etc. 2050. E-mail: geogprog@alcor.concordia.ca. Internet: <http://gpe.concordia.ca/>

PROGRAMS AND RESEARCH FACILITIES: The Department is located in the Hall building on the main campus in downtown Montréal. It has laboratories for cartography, GIS, and physical geography, and computer facilities. Montréal is one of the oldest cities in North America and a vibrant bi-cultural and cosmopolitan city with a prominent international profile. All this provides a stimulating intellectual environment, considerably strengthened by the resources of four large universities which cooperate in many joint projects. The city is an excellent milieu for policy-oriented studies, since it is the home of several large consulting firms and numerous specialized libraries associated with corporate head offices, and international organizations.

UNDERGRADUATE: The Department has re-oriented its geography curriculum around the theme of human-environment interactions. It offers a full range of B.A. and B.Sc. degrees in this area from a 42 credit Major to a 60 credit Honours. In addition, it participates in a multi-disciplinary Urban Studies and Environmental Science program. Students take courses in both human and physical geography as well as acquire a range of techniques (GIS, cartography, statistical and field methods). In addition, the Department offers a BA majors in Urban Studies and Urban Planning, with many of these courses cross-listed with the Geography programs.

GRADUATE: The Department offers a Master of Science in Geography, Urban and Environmental Studies. This programme is designed to provide students with the theoretical foundation and methodological tools necessary to contribute to the understanding of human interventions in the environment. Through its emphasis on specialization and interdisciplinary perspectives, students are given the opportunity to carry out in-depth research work in any of the Department's areas of specialization covering three broad categories of environment: the natural or bio-physical environment; the human, cultural or behavioural environment; and the urban, built or designed environment. In addition to contributing to the advancement of knowledge, students will be well placed to enter a wide range of careers in environmental, urban planning and public policy fields.

The Department also offers a trans-disciplinary MEnv and Graduate Diploma in Environmental Impact Assessment in association with faculty from Biology, Chemistry, Economics, Environmental Engineering and Political Science. The MEnv is internship-based with students often starting careers at the company or agency where they interned.

Areas of established research strength for the Department are biodiversity, land-use policy, environmental justice, scientific underpinnings of environmental problems, modelling of complex issues with a focus on amelioration, population and demographic issues, transportation (especially urban), urban planning, and the environmental knowledge and approach to resource utilization of native peoples. Examples of specific funded projects include post-fire salvage of boreal forests and its effect on animal and plant recolonization, alternatives to our present system of drainage ditches in agricultural fields that are both cheaper and enhance biodiversity, the use of smart phone applications for transportation data, multisite and multispecies tracking of the exotic pet trade, place-based determinants of creativity for Montreal's circus arts industry, and the use of cybercartography to map indigenous stories.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate degrees at Concordia are normally three-year programs requiring a minimum of 90 credits. The University encourages both full-time and part-time students to apply. Applicants for the M.Sc. Geography, Urban and Environmental Studies program should have an undergraduate degree (B.A. or B. Sc.) in Geography, Planning, Environmental Science, or an equivalent degree in a related field of study from a recognized university. Applicants for the MEnv and Graduate Diploma in Environmental Impact Assessment should have an undergraduate degree in an appropriate field plus knowledge of ecology and geographic information systems. Deficiencies may be remedied by appropriate undergraduate courses at Concordia. A limited number of assistantships are awarded by the department, but there are opportunities for students in certain areas to receive funds from faculty grants and contracts. Applicants are also encouraged to apply for external scholarships from SSHRC, NSERC and FCAR.

FACULTY:

- Aiken, S. Robert, Emeritus Professor* — Tropical deforestation, cultural geography, developing country environmental issues
- Biron, Pascale, Associate Professor and Graduate Program Director (M.Sc.)* — Fluvial geomorphology, river management - fish habitat restoration, numerical modelling, Geographical Information Systems
- Caquard, Sébastien, Assistant Professor* — Geography of cinema, geovisualization, geomatics, geospatial narratives
- Collard, Rosemary, Assistant Professor* — Environmental justice, economic and animal geographies, critical theory
- Gauthier, Pierre, Associate Professor* — The morphogenesis of Quebec City and Montreal, the history of development and planning practices in Quebec and the impact of normative planning theories on urban form
- Gould, Kevin, Associate Professor* — Political ecology, economic geography, conservation and development
- Greene, David F., Professor* — Plant reproduction, natural disturbances (fire, freezing rain, wind), plant biomechanics, forestry practices
- Jaeger, Jochen, Associate Professor and Graduate Program Director in Environmental Assessment* — landscape ecology, road ecology, the quantification and assessment of landscape structure and landscape change, urban sprawl, ecological modelling, environmental indicators, impact assessment
- Matthews, Damon, Assistant Professor* — Climate change, global climate modeling, effects of climate change on the biosphere and on society
- Mulrennan, Monica E., Associate Professor and Chair* — Indigenous resource management, community-based resource management, indigenous ecological knowledge, small-boat fisheries development, marine Protected Areas (MPAs), coastal and marine management
- Nash, Alan E., Professor* — Cultural geography, refugee policies, Canadian immigration and public policy

Patterson, Judith, Associate Professor — Geology of modern environments, impact of fossil fuel combustion on the atmosphere, environmental impact assessment in the transportation sector

Patterson, Zachary, Assistant Professor — modeling of transportation, the environment, land-use and their linkages

Rantisi, Norma, Professor — Economical geography, spatial aspects of innovation for mature manufacturing, local economic development, political economy

Rutland, Ted, Assistant Professor — History of cities and urban planning; race and racialization; biopower and biopolitics; urban political economy; and participatory action research methods

Slack, Brian, Distinguished Emeritus Professor — Transport geography, maritime transportation, container shipping, port planning, intermodal transportation

Thornton, Patricia, Distinguished Professor Emeritus — Population geography, cultural ecology, mortality as an indicator of social and environmental justice

Townsend, Craig, Associate Professor — Southeast Asian cities, international comparative studies of cities, and sustainable urban transport

MCGILL UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1945

GRADUATE PROGRAM FOUNDED: 1946

DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.

GRANTED 9/1/12-8/31/13: 115 Bachelors, 12 Masters, 0 Ph.D.

STUDENTS IN RESIDENCE: 20 Honors, 190 Majors, 200 Minors, 41 Masters, 46 Ph.D.

CHAIR: Tim R. Moore

DEPARTMENT GRADUATE COORDINATOR: Elisa H. David

FOR CATALOGUE AND FURTHER INFORMATION WRITE

TO: Graduate Affairs, Department of Geography, McGill University, 805 Sherbrooke Street West, Montreal, Quebec, Canada H3A 2K6. Telephone (514) 398-4111. Fax (514) 398-7437. E-mail: grad@geog.mcgill.ca. website: www.geog.mcgill.ca.

PROGRAMS AND RESEARCH FACILITIES: The department offers integrated programs of study within several fields. Major research locations are urban, temperate and tropical zones, with a history of continuous work in eastern and northern Canada, and Central and South America. Research interests fall into the following clusters: *Earth Systems Science* including global-scale environmental modeling; *Environment and Human Development* including peasant economies and rural livelihoods, and studies of resource-reliant peoples in Arctic and humid tropics; *Environmental Management* including Quaternary paleoecology, palynology, and wetland processes; *GIS and Remote Sensing* including participatory GIS, broad-scale vegetation monitoring, and agent based, environmental, land use, and ecological modeling; *Health Geography* including chronic and infectious diseases; *Land Surface Processes* including hydrology, fluvial geomorphology, permafrost, glacial and periglacial processes, gas, energy and nutrient cycles in peatlands, and greenhouse gas exchange; and *Economic/Political/Urban Geography* including inequality, identity, and critical social geography.

The department has close links with McGill's School of Environment, Global Environmental and Climate Change Centre, Centre for Developing Area Studies, and School of Urban Planning. The Geography Department maintains research laboratories in GIS, soils, remote sensing and image analysis, geomorphology, hydrology,

palynology and tropical research. The Geographic Information Centre and the University Computing Centre are located in the same building. The University maintains field stations at Mont St. Hilaire (close to Montreal), Schefferville (northern Quebec), Bellairs (Barbados), and Axel Heiberg Island (High Arctic). These stations provide accommodation, facilities, and support for research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Graduate studies are administered by the Graduate and Postdoctoral Studies office, and a departmental Graduate Affairs Committee; admission to the Master's program requires a Bachelor's degree (or equivalent) with a strong undergraduate record in geography or a related discipline (a qualifying year is also possible). The Master's degree requires three resident semesters, while the Ph.D. requires six resident semesters in addition to a Master's degree. All degrees require a thesis. Many graduate students receive teaching assistantships worth approximately \$2500 each semester. In addition, numerous research assistantships for the academic year are available. Assistance is also available for fieldwork through research project funds. Please see the department's web site for additional information.

FACULTY:

Geraldine Akman, Ph.D., McGill, 1993, Faculty Lecturer — peasant economies, Haiti, West Africa

Lea Berrang Ford, Ph.D., Guelph, 2006, Assistant Professor — socio-ecological determinants of health

Sebastien Breau, Ph.D., UCLA, 2006, Associate Professor — economic and industrial geography, international trade, regional political economy

Peter Brown, Ph.D., Columbia, 1969, Professor — environmental governance, stewardship economics

Gail L. Chmura, Ph.D., Louisiana State, 1990, Associate Professor — biogeography, palynology, wetlands, Quaternary

Oliver T. Coomes, Ph.D., Wisconsin-Madison, 1992, Professor — environment and development, peasant economy, cultural ecology, Latin America

James Ford, Ph.D., Guelph, 2006, Assistant Professor — integration of social, physical, and health sciences, and indigenous knowledge in climate change vulnerability & adaptation research

Benjamin Forest, Ph.D., UCLA, 1997, Associate Professor — political representation and redistricting, racial, ethnic, and national identity

Margaret Kalácska, Ph.D., Alberta, 2006, Assistant Professor — remote sensing of tropical forest ecosystems, forensic applications of remote sensing, modeling of tropical forest ecosystems

Michel F. Lapointe, Ph.D., British Columbia, 1990, Associate Professor — fluvial geomorphology

Bernhard Lehner, Ph.D., Kassel, 2005, Associate Professor — large-scale modeling of the terrestrial water cycle

Kevin Manaugh, Ph.D., McGill 2013, Assistant Professor — sustainable transportation, spatial justice, decision making processes, GIS

Thomas Meredith, Ph.D., Cambridge, 1979, Associate Professor — environmental studies

Tim R. Moore, Ph.D., Aberdeen, 1971, Professor — biogeochemistry of soils and wetlands

Sarah Moser, Ph.D., Singapore, 2008, Assistant Professor — cultural and urban geography

Natalie Oswin, Ph.D., British Columbia, 2005, Assistant Professor — urban cultural politics, sexuality and space, intimacy and the development of postcolonial Singapore

Wayne H. Pollard, Ph.D., Ottawa, 1983, Professor — ground ice and geomorphology of cold climates

Navin Ramankutty, Ph.D., Wisconsin, 2000, Associate Professor — land use and global environmental change

Jeanine Rhemtulla, Ph.D., Wisconsin, 2007, Assistant Professor — landscape ecology, social-ecological systems, historical ecology, spatial analysis, and GIS

Brian Robinson, Ph.D., Wisconsin-Madison, 2011, Assistant Professor — livelihoods, environment and development

Nancy Ross, Ph.D., McMaster, 1997, Associate Professor — social determinants of health, health inequalities in Canada, income inequality as a determinant of the health populations, environment and obesity

Nigel T. Roulet, Ph.D., McMaster, 1985, Professor — hydrology, biogeochemistry of wetlands

Raja R. Sengupta, Ph.D., Southern Illinois, 2000, Associate Professor — GIScience, environmental modeling, and spatial decision support systems

Renée Sieber, Ph.D., Rutgers, 1997, Associate Professor — public participation GIS and policy models

Ian Strachan, Ph.D., Queen's, 1999, Associate Professor — micrometeorology and hyperspectral remote sensing of agricultural surfaces

Sarah Turner, Ph.D., Hull (UK), 1999, Associate Professor — development, small-enterprise studies, Southeast Asia

Jon Unruh, Ph.D., Arizona, 1997, Associate Professor — human geography and international development - focus on Africa

George W. Wenzel, Ph.D., McGill, 1980, Professor — northern socioeconomic systems and cultural ecology

EMERITI FACULTY:

Sherry Olson, Ph.D., Johns Hopkins, 1965, Professor — social, urban historical, and environmental history

UNIVERSITÉ DE MONTRÉAL

DÉPARTEMENT DE GÉOGRAPHIE

DATE FOUNDED: 1947

DEGREES OFFERED: B.Sc., M.Sc., Ph.D.

GRANTED 6/1/13-5/31/14: 56 Bachelors, 13 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 238 Majors, 16 Masters, 15 Ph.D.

STUDENTS NOT IN RESIDENCE: 28 Masters, 18 Ph.D.

CHAIR: Patricia Martin

DEPARTMENT ADMINISTRATIVE ASST: Thierry Nakache

FOR CATALOG AND FURTHER INFORMATION WRITE TO:

Annie Demers, Téléphone (514) 343-8052 or Magali Demers, Téléphone (514) 343-6111 poste 37425, Département de Géographie, Université de Montréal, C.P. 6128, Succ. Centre-Ville, Montréal, Québec, Canada H3C 3J7. Fax (514) 343-8008. E-mail: information@geog.umontreal.ca. Internet: www.geog.umontreal.ca.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers B.Sc., M.Sc., and Ph.D. programs. At the undergraduate level, student can specialize either in the study of the human environment or the physical environment. These specializations are complemented by a full range of courses in spatial analysis (GIS, cartography, remote sensing, system modeling) and environmental analysis. The bachelor's degree program seeks to train students for future work in research, the public and non-for profit sector, as well as industry. At the graduate level, students received highly specialized and individualized training within one or more of the research groups currently active in the department. Research strengths currently include urbanization and urban areas, political ecology and environmental governance, indigenous geographies, GIS and complex systems, geomorphology and biogeosciences. Regional specializations include Latin America, Southeast Asia, and polar and/or northern regions.

The department is well supported by external funding agencies, and houses three Canada Research Chairs (Asian Studies, Urban governance, water and municipal services; Atmospheric Biogeosciences in High Latitudes) and houses several high caliber laboratories (e.g. palynology, aerobiology, GIS, soil science, complex systems, geomorphology and remote sensing). The geography library and the map library are located within the department and offer an excellent collection of periodicals, monographs, and maps. The Department of Geography has an international profile and is engaged in research networks across North America, as well as in Europe, Asia, Africa and Latin America.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

The University operates according to a semester system. The M.Sc. degree may be obtained through two distinct programs. The first program is oriented towards research and involves fewer courses with respect to research and thesis credits. The second program has a professional orientation and requires that students complete 18 credits of coursework and two specialized reports. Admission requires that the student has completed a Bachelor's degree in geography or in a related field with a GPA of 3.2. The Ph.D. program is designed to allow the student to gain proficiency in two or three subfields and to conduct research on an innovative topic. The coursework (9 credits) is tailored to the specific needs of the candidate and is completed within the first year after which the candidate devotes his (her) time to research. One goal of the program is to train students in teaching and in publishing research papers. Admission requirements include a Master's degree in geography or a related field and a strong potential for research. Financial assistance is available through university and departmental fellowships, grants that support each research team and teaching/research assistantships offered by the department. The department also offers short programs in spatial analysis and applied geography.

FACULTY:

Pierre André, Ph.D., U. of Montréal, 1985, Associate Professor — environmental studies

Nicolas Bélanger, Ph.D., U. of Montreal, 2000, Affiliated Professor — environmental sciences

Christopher Bryant, Ph.D., London School of Economics, 1970, Professor — urban systems, regional development, spatial organization, rural land use

Jeffrey A. Cardille, Ph.D., U. of Wisconsin, 2002, Affiliated Professor — landscape ecology and modelling

François Cavayas, Ph.D., U. Laval, 1983, Professor — remote sensing, geographic information systems

Claude Comtois, Ph.D., U. of Hong Kong, 1980, Professor — transport, China

Paul Comtois, Ph.D., U. Laval, 1982, Professor — aerobiology, palynology, aeromycology

François Courchesne, Ph.D., McGill, 1988, Professor — soil science, biogeochemistry

Rodolphe De Koninck, Ph.D., U. of Singapore, 1970, Professor, Canada Research Chair in Asian Studies — South-East Asia, Agriculture and environment

Daniel Fortier, Ph.D., U. Laval, 2005, Associate Professor — geomorphology, cold regions

Kathryn Furlong, Ph.D., U. of British Columbia, 2007 — Assistant Professor in Atmospheric Environment

François Girard, Ph.D., U. Laval, 2008, Assistant Professor — GIS and forestry

Nicole Gombay, Ph.D., Queen's, 2003, Associate Professor — indigenous geographies, economic geography

Thora Herrmann, D. Phil, Oxford, 2004, Associate Professor — Biodiversity and Ethnogeography

Violaine Jolivet, Ph.D., Sorbonne, 2010, Assistant Professor — urban geography, the Americas

Claude Marois, Ph.D., U. Laval, 1980, Professor — population, spatial analysis, urban geography

Patricia Martin, Ph.D., U. of Colorado, 2003, Associate Professor — Political geography, gender and identity, Latin America

Lael Parrott, Ph.D., McGill, 2000, Affiliated Professor — complex system modelling

Liliana Perez, Ph.D., Simon Fraser, 2011, Assistant Professor — complex systems

André G. Roy, Ph.D., SUNY-Buffalo, 1982, Affiliated Professor — Fluvial geomorphology, quantitative techniques

Brian Slack, Ph.D., McGill, 1972, Affiliated Professor — transportation geography

Oliver Sonnentag, Ph.D., U. of Toronto, 2013, Assistant Professor — climatology

Julie Talbot, Ph.D., McGill, 2010, Assistant Professor — biogeography

Rémy Tremblay, Ph.D., U. Ottawa, 2000, Affiliated Professor — social and cultural geography

Samuel Yonkeu, Ph.D., Université de Rennes, 1993, Affiliated Professor — natural ecosystems and agro-forestry

LATIN AMERICA

ARGENTINA

INSTITUTO DE GEOGRAFÍA “ROMUALDO ARDISSONE” DE LA UNIVERSIDAD DE BUENOS AIRES

TIPO DE INSTITUCION: Pública, académica

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:

Investigación

FECHA DE FUNDACION: 1947

SITIO WEB:

<http://www.filo.uba.ar/contenidos/investigacion/institutos/geo/homepage.html>

PARA MAS INFORMACION CONTACTAR: Jorge Oscar Blanco, Director, Puán 480 - 4°1406 - Ciudad Autónoma de Buenos Aires Argentina, Teléfono: 54-11-4432-0606, Fax: 54-11-4432-0121, iigeo@filo.uba.ar

MISION DEL INSTITUTO: El Instituto de Geografía es el ámbito de la Universidad de Buenos Aires dedicado a la investigación en esta disciplina. En el Instituto se desarrollan diversas líneas de investigación en Geografía, se promueve la formación de investigadores y la articulación con las actividades docentes, y se desarrollan actividades conjuntas con el sector público y con universidades del país y del exterior.

ESTRUCTURA Y ORGANIZACIÓN: El Instituto se rige acorde con el Reglamento de Institutos de la Universidad de Buenos Aires. El Director es acompañado en la gestión por un Comité Académico y una Secretaría Académica. Son miembros del Comité: el Director, la Secretaría Académica, el Director del Departamento y los representantes de: investigadores, becarios, estudiantes investigadores y no docentes. Los miembros del Comité son elegidos por sus representantes por voto directo, secreto y obligatorio.

FINES: Son funciones del Instituto de Geografía de la Universidad de Buenos Aires: a) Elaborar y ejecutar planes de investigación disciplinarios y multidisciplinarios. b) Potenciar la articulación de la Geografía y de nuestros investigadores con los problemas reales y concretos de la sociedad argentina y latinoamericana. c) Contribuir a la formación de recursos humanos a través de la dirección de tesis de grado, maestría y doctorado. d) Promover la cooperación e integración con otros ámbitos académicos y científicos del resto del país y del medio internacional.

PROGRAMAS QUE SE OFRECEN: El Instituto cuenta con Programas, grupos de trabajo y proyectos, que nuclea las actividades de los investigadores. Entre los programas y grupos de trabajo se encuentran:

Programa de Transporte y Territorio (PTT)-Entre los objetivos del PTT se encuentran: consolidar un ámbito orientado al desarrollo de conocimientos teóricos, empíricos y aplicados sobre temas de transporte; promover actividades académicas sobre temas de Geografía del Transporte; generar un espacio de información, discusión y reflexión favorable al desarrollo de tesis de grado,

postgrado y doctorado; prestar asesoramiento a organismos públicos, empresas privadas y organizaciones de la sociedad civil sobre temas de competencia del Programa.

Programa de Economías Regionales y Estudios Territoriales- PERT- El PERT es un ámbito de investigación académica, docencia, transferencia y divulgación, orientado al estudio del desarrollo territorial, en particular en problemáticas vinculadas con la cuestión rural y local y las economías regionales. Las formas de producción del territorio y la cuestión institucional en relación a la situación social y económica de la población de menores recursos (en particular la población localizada en zonas rurales y ámbitos locales) constituyen los ejes básicos de nuestra preocupación teórica y empírica actual.

Programa de Investigaciones en Recursos Naturales y Ambiente - PIRNA- El objetivo del Programa es generar conocimientos y capacitar investigadores en el uso y manejo de los recursos naturales y del ambiente, poniendo el acento en los aspectos relativos a las configuraciones territoriales resultantes de los procesos socioeconómicos. En los últimos años el tema central abordado es el de riesgo ambiental y vulnerabilidad social, para los peligros emergentes de inundaciones, accidentes tecnológicos, invasiones biológicas e incendios forestales.

Programa de Desarrollo Territorial y Estudios Metropolitanos (PDTEM) El proyecto actual del PDTEM se propone analizar y producir información sobre las transformaciones y procesos territoriales en la región metropolitana de Buenos Aires en las dos últimas décadas (años noventa y dos mil), resaltando las semejanzas y diferencias entre ellas, y tomando como referencia la experiencia de otras grandes metrópolis latinoamericanas. El supuesto clave es que se habrían registrado en las dos últimas décadas dos procesos de crecimiento económico con estrategias diferentes, uno de sesgo netamente neoliberal y el otro neodesarrollista, separados por una profunda crisis económica y política.

Programa de Investigación y Desarrollo en Reservas de la Biósfera:

Grupo de Historia de la Geografía- Su propósito es producir investigaciones, reflexiones y debates sobre la tradición geográfica en Argentina y en América latina, y sobre sus vínculos con el desarrollo de las ciencias sociales y con los saberes, experiencias y prácticas territoriales en la región. Aspira a trabajar sobre problemas relevantes para la práctica profesional del presente y para la interpretación de los procesos territoriales contemporáneos.

Grupo de Agua y Energía- El Grupo de Agua y Energía es un espacio pensado para la investigación, la docencia y la transferencia de conocimiento en temas vinculados con el desarrollo y gestión hídrico-energética del territorio, produciendo informes técnicos y de investigación aplicada, ponencias, producción cartográfica, etc.

Grupo de Investigación y desarrollo en la Enseñanza de la Geografía – Indegeog Se constituye a fines de 2004, a partir de la necesidad de crear un espacio de investigación y reflexión acerca de las particularidades de la enseñanza de la geografía en nuestro país, para construir modelos propios de interpretación didáctica que den respuesta teórica y práctica a los distintos problemas que atañen a las prácticas docentes cotidianas. Se fundamenta, a la vez, en el hecho de reconocer la necesidad de fortalecer los vínculos entre universidad y escuela, potenciando la transferencia de saberes e instrumentos para hacer frente a las múltiples demandas de las que es objeto la profesión docente.

MIEMBROS: El Instituto cuenta actualmente con cerca de 100 integrantes, entre los que se encuentran investigadores con diversos grados de formación, becarios, tesis y alumnos que realizan sus primeras prácticas de investigación.

PUBLICACIONES: El Instituto cuenta con dos publicaciones periódicas activas. La Serie Monográfica “Cuadernos de Territorio”, creada en 1989, ya posee 14 títulos en su haber, algunos de los cuales están digitalizados. La segunda publicación activa es la revista electrónica “Transporte y Territorio”(www.rtt.filo.uba.ar), fundada en 2009, de la cual ya se han editado 4 números. Como parte del acervo de publicaciones se puede acceder también a la revista virtual “Litorales”, de la que se publicaron 7 números entre 2002 y 2005. En agosto de 2011 se publicó el N°1 del “Boletín Electrónico”, con el objetivo fundamental de difundir las actividades y la producción del Instituto y estrechar los lazos con la comunidad académica, profesional, política, y con la sociedad en general.

Cuadernos de Territorio:
www.filo.uba.ar/contenidos/investigacion/institutos/geo/publicaciones.s.html

Revista Transporte y Territorio:
www.rtt.filo.uba.ar Revista Litorales: www.litorales.filo.uba.ar

Boletín Electrónico del Instituto de Geografía:
www.filo.uba.ar/contenidos/investigacion/institutos/geo/BOLETINro1.html

RED IBEROAMERICANA DE INVESTIGACIÓN EN TRANSPORTE AÉREO

TIPO DE INSTITUCION: Sociedad profesional/asociación científica

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:
Investigación

FECHA DE FUNDACION: 14 de noviembre de 2007

SITIO WEB: <http://www.ridita.org>

PARA MAS INFORMACION CONTACTAR: Gustavo Lipovich, Junta Directiva del RIDITA, Puán 480 Piso 4. Instituto de Geografía, Buenos Aires, Argentina, Teléfono: +541144320606 (169), red.ridita@yahoo.com

MISION: La RIDITA nace con la idea de crear una red abierta, incluyente y sin fines de lucro, que no pretende competir con ninguna otra, sino integrar a todos los estudiosos, investigadores y formadores que se desempeñen en instituciones académicas iberoamericanas, instituciones sin fines de lucro no gubernamentales o que investiguen de forma independiente, que estén interesados en la investigación del transporte aéreo. También se incluyen aquellos investigadores iberoamericanos que se desempeñan fuera de la región. Esta red se formó considerando, en primer lugar, el gran éxito que ha tenido el desarrollo de sociedades académicas en distintas partes del mundo, principalmente aquellas relacionadas con la investigación en Transporte Aéreo como son la Air Transport Research Society y la Sociedade Brasileira de Pesquisa em Transporte Aéreo que nos sirven de ejemplo. En segundo lugar, consideramos que existe una importante desarticulación entre los investigadores dedicados al estudio, investigación y formación que trabajan en instituciones académicas de la región iberoamericana. Por último, estamos convencidos de que el intercambio y la discusión permanente sobre temas relacionados al Transporte Aéreo pueden reforzar los lazos de las instituciones académicas iberoamericanas colaborando con el mejoramiento de la calidad de sus producciones intelectuales y el avance del difícil proceso de transferencia desde las instituciones académicas a la sociedad en la temática que nos convoca para estimular el desarrollo de esta actividad socioeconómica y de la comunidad iberoamericana. Para cumplir con sus objetivos, esta red creó un grupo de discusión permanente y se propuso organizar

congresos bianuales en distintas ciudades iberoamericanas para lograr un acercamiento entre los investigadores latinoamericanos, españoles y portugueses dedicados al estudio del Transporte Aéreo.

ESTRUCTURA Y ORGANIZACIÓN: La Red se gobierna y administra por dos órganos: la Asamblea General y la Junta Directiva. La Asamblea General está constituida por todos los Socios y es el órgano supremo de gobierno de la Red. Sus acuerdos deben tomarse por mayoría simple de los miembros presentes o representados con derecho a voto (salvo en los casos en que estos Estatutos indiquen lo contrario). Para que la Asamblea General se considere válidamente constituida deben estar presentes o representados más de la mitad de sus Socios (en primera convocatoria) o los presentes y representados (en segunda convocatoria). La Asamblea General es presidida por el Presidente de la Junta Directiva y el Secretario es el de ésta. Son competencia de la Asamblea General Ordinaria: 1° Elegir y renovar la Junta Directiva, cuando corresponda estatutariamente. 2° Elegir la sede de los congresos de la Red. 3° Reformar los Estatutos y aprobar el reglamento de régimen interno. 4° Acordar la admisión de Socios de Honor. 5° Ratificar o rechazar a los nuevos socios propuestos que hayan alegado. 6° Nombrar las comisiones, comités, grupos de trabajo y responsables de las reuniones científicas o congresos que organice la Red. 7° Resolver cuantos asuntos son de su competencia según los Estatutos o propuestos por la Junta Directiva, de acuerdo con el fin de la Red. 1° La Junta Directiva es el órgano gestor y ejecutivo de la Red. 2° Estará constituida por un Presidente, un Vicepresidente, un Secretario, y tres Vocales a los que la Junta designará funciones específicas en su caso. 3° Tomará sus decisiones por mayoría simple de votos de los miembros presentes, y en caso de empate decidirá el voto del Presidente. 4° Para que puedan tomar acuerdos de carácter ejecutivo deberán estar presentes: el Presidente y al menos otros 2 miembros. Los acuerdos también pueden aplicarse a través de una reunión vía electrónica donde participen todos los miembros de la Junta Directiva. 5° La Junta Directiva se reunirá con carácter ordinario al menos una vez cada dos años. Corresponde a la Junta Directiva: 1° Velar por el cumplimiento de cuantos acuerdos se adopten en la Asamblea General. 2° Tener las atribuciones que sean necesarias para el funcionamiento y consecución de los fines de la Red, salvo aquellos que específicamente corresponden a la Asamblea General.

FINES: Los fines de la Red son: 1° Promover y difundir la investigación en Transporte Aéreo en la región iberoamericana en sus aspectos científicos, académicos, tecnológicos, aplicados, y divulgativos, así como fomentar las relaciones entre los miembros a través de sesiones científicas, medios de difusión electrónicos y manifestaciones de carácter análogo. 2° Prestar un especial interés a la promoción cultural de la investigación en Transporte Aéreo y a la enseñanza de esta temática, sirviendo como centro de información y difusión entre los interesados.

PROGRAMAS QUE SE OFRECEN: Para lograr estos fines la RED IBEROAMERICANA DE INVESTIGACIÓN EN TRANSPORTE AÉREO se propone: 1° Organizar reuniones de carácter iberoamericanas, destinadas a la exposición y discusión de los avances y resultados de la investigación científica básica y la enseñanza en la temática del Transporte Aéreo, junto con las iniciativas propuestas por los socios y que puedan interesar a la ciencia y a la sociedad. 2° Instituir la realización de un congreso bienal de la RED IBEROAMERICANA DE INVESTIGACIÓN EN TRANSPORTE AÉREO con un espacio reservado para la realización de la Asamblea General Ordinaria. 3° Mantener diversos medios de difusión sobre Transporte Aéreo en sus distintos campos. 4° Difundir un Boletín Interno Electrónico que sirva de órgano de comunicación entre los socios, en el que se darán a conocer las actividades de la Red y de otras afines y la información que sea de interés a los socios. 5° Constituirse en interlocutor autorizado ante otras sociedades científicas nacionales e internacionales. 6° Asesorar en materia educativa y otros campos relacionados con el Transporte Aéreo a cuantas entidades lo soliciten.

MIEMBROS: Actualmente, la RIDITA tiene 142 socios (septiembre de 2008) procedentes de: Argentina, Brasil, Colombia, Cuba, Chile, Ecuador, El Salvador, España, Estados Unidos, Francia, México, Perú, Portugal, Reino Unido y Uruguay. Los Socios de la Red, en número ilimitado, iberoamericanos y extranjeros que se desempeñen en una institución académica o institución sin fines de lucro no gubernamental iberoamericana o de forma independiente, podrán ser de las siguientes clases: 1º Socios Fundadores: serán Socios Fundadores aquellas personas físicas que formen parte de la Red con anterioridad a la fecha de celebración del Congreso Fundacional. 2º Socios Ordinarios: serán Socios Ordinarios aquellas personas físicas que hayan solicitado y obtenido el ingreso en la Red de acuerdo con el artículo 7º. 3º Socios Corporativos: serán Socios Corporativos aquellas entidades sin fines de lucro no gubernamentales (Institutos de Investigación, Departamentos Universitarios, Centros de Estudio, Cátedras Universitarias, Gremios, ONG's y otros asimilados) que soliciten el ingreso en la Red de acuerdo con el artículo 7º. 4º Socios de Honor: serán Socios de Honor aquellas personas físicas que, por su relevante prestigio científico y académico en el campo del Transporte Aéreo, se hagan acreedoras de tal distinción. Deberán ser propuestos al menos por cinco miembros de la Red y su admisión deberá ser confirmada por la mayoría simple de la Asamblea General.

UNIVERSIDAD NACIONAL DE GENERAL SARMIENTO

INSTITUTO DEL CONURBANO

FECHA DE FUNDACION: 2010

**TECNICATURA SUPERIOR UNIVERSITARIA EN
SISTEMAS DE INFORMACION GEOGRAFICA**

**TITULOS OFRECIDOS: Técnico Superior en Sistemas de
Información Geográfica**

**RESPONSABLE DE LA CARRERA: DRA. MARINA
MIRAGLIA**

PARA PEDIR UN CATOLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Dra. Marina Miraglia Coordinadora, Tecnicatura Superior en Sistemas de Información Geográfica. Instituto del Conurbano. Universidad Nacional de General Sarmiento. Juan María Gutierrez 1150. Los Polvorines, CP: 1613. Malvinas Argentinas. Provincia de Buenos Aires. REPUBLICA ARGENTINA. E-Mail: mmiragli@ungs.edu.ar. Internet: http://www.ungs.edu.ar/areas/tec_sup_sistema_informacion_geografica/a/1/tecnico-superior-en-sistemas-de-informacion-geografica.html

PLAN ACADEMICO: En total, el plan de estudios está conformado por 21 asignaturas (incluidos dos niveles de inglés) por un total de 1664 horas de clase. Las asignaturas contenidas en el plan de estudios responden al perfil que se pretende formar y se organizan en cuatro ejes: formación general, análisis territorial, formación en SIG (incluida la formación en software específicos y de uso más general y en cartografía) y práctica pre-profesional. Las materias de formación general tienen por objeto proveer a los estudiantes herramientas y conocimientos generales útiles para su trabajo: conocimientos básicos de inglés (gran parte de los manuales están escritos en ese idioma), Problemas Socio Económicos Contemporáneos (PSEC) y el Laboratorio interdisciplinario son también instancias ideales para la socialización en la Universidad. El laboratorio es también un espacio curricular de síntesis y práctica en el uso de los SIG. Dentro de las asignaturas de formación general se incluyen: PSEC, Inglés I, Inglés II, y Laboratorio Interdisciplinario (total 14 horas). La bibliografía existente señala de manera reiterada la necesidad de incluir instancias de formación en el análisis territorial. Se prevé que los estudiantes cursen geografía y análisis territorial, ambas asignaturas en dos niveles. (total 20 horas). Más de una tercera parte del total de horas del programa de estudios está centrada en la formación específica en

SIG y temas conexos. Dentro de este eje específico de formación hay asignaturas más generales como Cartografía, sensores remotos y sistemas de información geográfica y aquellas más específicas como Programas de SIG. Dentro de las asignaturas referidas a los sistemas de información geográfica, cartografía y teledetección se incluyen: Cartografía, sensores remotos y sistemas de información geográfica, Teledetección y procesamiento de imágenes satelitales, Cartografía temática, Programas de SIG, Informática aplicada a los SIG, Partes I y II, Estadística aplicada a las Ciencias Sociales, Construcción y gestión de bases de datos aplicadas a SIG (total 46 horas). Por último, se considera que un eje fuerte del programa de estudios es que los estudiantes tengan una aproximación desde la práctica misma por lo cual se han incluido cuatro talleres de aplicación y un taller final de proyecto cartográfico. Dentro de los talleres de práctica se incluyen: Taller de aplicación inicial, Taller de aplicación 1: Escala Nacional, Taller de aplicación 2: Escala Regional, Taller de aplicación 3: Escala Municipal y el Taller final de aplicación: Proyecto cartográfico (total 26 horas). Debe tenerse en cuenta que la práctica también está presente en otras materias del programa como el Laboratorio interdisciplinario, Cartografía temática o Geografía Física y Geografía Urbana y Regional, entre otras.

Contenidos mínimos de las materias:

Eje de formación general

Inglés Lectocomprensión I: Convenciones de los discursos escritos. Texto y contexto. Estrategias de lectura. Funciones retóricas predominantes en los textos académicos. Desarrollo proposicional, estructura de la información. Sistema sintáctico. Exponentes lingüísticos. Nociones lógico semánticas. Cohesión lógica.

Inglés Lectocomprensión II: Convenciones de los discursos escritos. Estrategias de lectura. Nociones lógico-semánticas. Tiempos verbales. Verboides. Voz pasiva. Cadenas léxicas. Defensa y refutación de una posición teórica. Presentación de evidencia. Contraste y énfasis.

Laboratorio Interdisciplinario: El Laboratorio Interdisciplinario aproxima a los estudiantes a situaciones de indagación y producción de conocimientos en torno de problemas complejos propios del entorno en que está inserta la Universidad. Todas las ofertas del Laboratorio Interdisciplinario constituyen espacios de investigación, acción y producción de orientación multidisciplinaria, que reúnen estudiantes de las distintas carreras en una situación compartida de formación. Se proponen el desarrollo de capacidades de diagnóstico e intervención en escenarios de interacción real con actores e instituciones extra académicas. Las distintas alternativas están dirigidas a fomentar el diálogo de estudiantes e investigadores en un proceso compartido de indagación y/o intervención que requiera de miradas y aportes propios de diversos campos disciplinares. Se promueve la adquisición de competencias para la identificación de necesidades, el análisis, la evaluación y eventualmente la elaboración de propuestas de intervención respecto de situaciones o cuestiones críticas propias del área de referencia de la Universidad.

Problemas socioeconómicos contemporáneos, PSEC: De la "República posible" a la experiencia peronista. De la crisis del populismo al modelo neoconservador. Reconfiguración de la sociedad argentina. Diferentes enfoques para abordar los problemas socioeconómicos en la Argentina actual, basados en investigaciones recientes. Examen de categorías empleadas en el análisis.

Eje de SIG y temas conexos

Cartografía temática: Cartografía. Semiótica. Teorías de representación. Teorías de interpretación. Cartogramas. Cartodiagramas. Variables visuales. Construcción de cartografía temática.

Construcción y gestión de bases de datos geográficas aplicadas a SIG: Geodatabase. Introducción. Diseño. Construcción. Implementación.

Feature classes. Feature dataset. Multiusuarios. Topología. Compresión y compactación de las bases de datos. Atributos.

Estadística aplicada a las Ciencias Sociales: Concepto de probabilidad. Independencia y probabilidad condicional. Los conceptos de población y muestra en distintas ramas de las ciencias. Niveles de medición, indicadores e índices. Escalas ordinales, nominales y proporciones. Diseño de muestreos y de aplicación de encuestas, aleatoriedad, estratificación, tamaño de muestra. Diseños experimentales de laboratorio y de campo. Réplicas y pseudo-replicaciones. Estadística descriptiva, parámetros de tendencia central y variabilidad. Intervalos de confianza. Inferencia estadística. Prueba de hipótesis en relación con los objetivos de la investigación científica. Significancia estadística. Errores y potencia de las pruebas. Suposiciones. Diseños de análisis de la varianza, bloques aleatorizados y factoriales. Técnicas bi-variadas y multivariadas. Interacciones y comparaciones múltiples. Pruebas de normalidad y homocedasia. Análisis de correlación, paramétrica y no paramétrica. Regresión lineal, simple y múltiple. Regresiones curvilíneas. Transformaciones. Aplicaciones de las técnicas de análisis no paramétricas. Chi cuadrado.

Informática aplicada a los SIG, parte I: Uso de paquetes estadísticos (SPSS, STATA, etc.). Modelos

Informática aplicada a los SIG, parte II: Mapas en la Web, Programación básica en C++, Macromedia. Preparación de mapas para publicar en internet. Servidores de mapas. Estandarización cartográfica. Programas para editar mapas en la red. ArcImgs.

Cartografía, sensores remotos y sistemas de información geográfica: La cartografía. Sistemas de proyecciones cartográficas. Elementos planialtimétricos. Elementos de una carta topográfica. Escalas. Mediciones. Elaboración de perfiles. Cartografía temática y digital. Georreferenciación. GPS. Teledetección. Composición de las imágenes. Interpretación de imágenes. Sistemas de Información Geográfica o Territorial. El SIG como herramienta de gestión e investigación. Aplicaciones a estudios urbanos, ambientales, etc.

Teledetección y procesamiento de imágenes satelitales: Sensores remotos. Teledetección. Espectro electromagnético. Resolución espacial. Resolución espectral. Interpretación visual de imágenes satelitarias. Interpretación digital de imágenes satelitarias.

Programas de SIG: Programas vectoriales: ARC GIS, MapInfo. Programas raster: ERDAS, ENVI. Programas de uso libre. Programas de uso restringido

Eje de análisis territorial

Análisis territorial I: Espacio y territorio. Sociedad y naturaleza. Construcción y estructura del territorio. Escalas. Teorías sobre el territorio. Herramientas para el análisis territorial. Gestión del territorio.

Análisis territorial II: Herramientas y fuentes para el análisis territorial. Herramientas cualitativas básicas: observación, observación participante, lectura de fuentes estadísticas y documentales, grupos focales, entrevistas. Herramientas cualitativas para el análisis territorial y SIG: Herramientas cuantitativas para el análisis territorial. Fuentes secundarias: censos y encuestas nacionales, información y datos secundarios provinciales y municipales. De las fuentes a los SIG.

Geografía Física: Geografía Física General. Geografía Física de la República Argentina. Condiciones geológicas y climatológicas. Condiciones edáficas, biogeográficas. Cuencas hídricas. Regiones.

Geografía Urbana y Regional: Los estudios urbanos y regionales en América Latina y en la Argentina. Historia de la urbanización. La geografía física y los estudios urbanos. Algunos elementos para

analizar una ciudad o un sistema de ciudades. La estructura interna de la ciudad. Sistemas regionales y nacionales de asentamiento. La actividad económica y los asentamientos humanos. El panorama reciente en geografía urbana: Algunos temas de discusión.

Eje de práctica pre-profesional

Taller de aplicación inicial: Criterios de definición de regiones. Uso de la cartografía. Uso de los sensores remotos. Uso de los sistemas de información geográfica.

Taller de aplicación 1: Escala Nacional: Definición de unidades territoriales a nivel nacional. Definición de variables de estudio. Técnicas de relevamiento de la información. Técnicas de procesamiento de la información. Aplicación de técnicas apropiadas para el estudio a escala nacional.

Taller de aplicación 2: Escala Regional: Definición de unidades territoriales a nivel regional. Definición de variables de estudio. Técnicas de relevamiento de la información. Técnicas de procesamiento de la información. Aplicación de técnicas apropiadas para el estudio a escala regional.

Taller de aplicación 3: Escala Municipal: Definición de unidades territoriales a nivel municipal. Definición de variables de estudio. Técnicas de relevamiento de la información. Técnicas de procesamiento de la información. Aplicación de técnicas apropiadas para el estudio a escala municipal.

Taller final de aplicación: Proyecto cartográfico: Aplicación de conceptos y metodologías de investigación en ciencias sociales. Definición de objeto y objetivos de estudio. Integración de escalas espacial y complejidad temática

UNIVERSIDAD NACIONAL DEL SUR

DEPARTAMENTO DE GEOGRAFIA y TURISMO

FECHA DE FUNDACION: 1956

TITULOS OFRECIDOS de POSGRADO: Doctorado en Geografía y Magíster en Geografía. Especialización en Turismo Rural y Comunitario. Maestría en Desarrollo y Gestión Territorial Maestría en Procesos Locales de Innovación y Desarrollo Rural (PLIDER)

TITULOS OFRECIDOS de GRADO: Licenciatura en Geografía, Profesorado en Geografía, Licenciatura en Turismo, Licenciatura en Oceanografía. Tecnicatura en Cartografía, Sistemas de Información Geográfica y Teledetección.

NUMERO DE ALUMNOS DE GRADO ENTRE TODAS LAS CARRERAS DE GRADO: 740 Alumnos

NUMERO DE ALUMNOS DE DOCTORADO y de MAESTRIA: 60 Alumnos

DIRECTORA DEL DEPARTAMENTO: Lic. Silvia Grippo

SECRETARIA ACADÉMICA DEL DEPARTAMENTO: Mg. Stella Visciarelli

DIRECTOR DEL PROGRAMA DE POSGRADO PARA DOCTORADO: Dr. Roberto Bustos Cara

DIRECTORA DEL PROGRAMA DE POSGRADO PARA MAESTRIA: Dra. Alicia Campo

SECRETARIA DE EXTENSIÓN Y DE POSGRADO: Mg. Graciela M. Benedetti

PARA MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Rosell Maria Patricia. Secretaria de Posgrado de Geografía. posgradodgyt@uns.edu.ar. DEPARTAMENTO DE GEOGRAFIA Y TURISMO-UNSCalle: 12 de Octubre y San Juan-4to piso- Ciudad Bahía Blanca, País: Argentina.Teléfono y fax: 54-291-4595144. Mail: posgradodgyt@uns.edu.ar o gbenedet@criba.edu.ar - Página de la Universidad: www.uns.edu.ar Página del Programa de Posgrado: www.geografiaposgrado.wordpress.com

PROGRAMAS E INSTALACIONES DE INVESTIGACION: el Departamento de Geografía y Turismo cuenta con varios centros de investigación y un conjunto de actividades que contribuyen al apoyo académico y profesional de la disciplina. Por ejemplo: Centro de Documentación y Producción Cartográfica, Gabinete de Computación con programas específicos de SIG y Teledetección, Biblioteca Especializada en Geografía, Consejo Editorial y Comité Editorial de la Revista Universitaria de Geografía, CIUR- Estudios Territoriales: Centro de Investigación Urbano-Regionales, Grupos de Investigación (PGIs y PGI TIR Proyecto, de InterésRegional-), Cursos de Capacitación, de Perfeccionamiento y de Actualización para Docentes, Organización de Jornadas, Encuentros, Congresos.

PROGRAMA DE POSGRADO NO ESTRUCTURADO: Los alumnos seleccionan las temáticas de los cursos de posgrado para obtener los 100 créditos para el Doctorado y los 80 créditos para la Maestría. Los cursos de posgrado se organizan cada año según los temas de interés y la participación de docentes que nos visitan de otros lugares de la Argentina y del extranjero. En general las temáticas que se abordan en los cursos son: geografía urbana, geografía rural, geografía económica y política, medioambiente, sistemas de producción, análisis espacial con SIG y Teledetección, geografía física, climatología y geomorfología, cartografía general y temática, diseño de tesis, geografía política, desarrollo territorial, el turismo, técnicas cualitativas y cuantitativas, entre otros.

INCUMBENCIAS DE LOS PLANES DE ESTUDIO:

Licenciatura en Geografía

Duración: 4 años y un cuatrimestre

Los graduados en esta carrera podrán delimitar y realizar el diagnóstico de regiones geográficas con fines de ordenamiento y organización territorial. Participar en equipos interdisciplinarios para planificar, trabajar para la utilización racional de los recursos naturales y culturales; evaluar los cambios operados por factores de origen natural o antropogénico e interpretar los fenómenos que el proceso de globalización impone en todas las escalas espaciales y temporales.

Profesorado en Geografía

Duración: 4 años y un cuatrimestre

Los graduados en esta carrera podrán ejercer la profesión docente en los diferentes niveles de Educación Primaria y Educación Secundaria, en establecimientos públicos y privados, también en el nivel Terciario y Universitario. Planificar, orientar y evaluar el proceso de enseñanza y de aprendizaje de la Geografía en los diferentes niveles educativos. Participar y elaborar proyectos individuales e interdisciplinarios vinculados a las cuestiones pertinentes a la tarea docente y a la gestión educativa.

Licenciatura en Turismo

Duración: 5 años

Los graduados en esta carrera podrán desempeñarse profesionalmente en la investigación, en la planificación de los recursos, en la gestión, tanto económica como cultural, acorde a los requerimientos y necesidades de la región y del país. Elaborar políticas de desarrollo, promoción y gestión del turismo. Formular, elaborar, dirigir planes y evaluar planes de desarrollo y proyectos turísticos. Organizar, coordinar y gerenciar empresas turísticas. Desarrollar actividades de gestión operativa y gerencial en empresas y organismos de turismo tanto de competencia de nivel público como privado. Coordinar equipos interdisciplinarios de planeamiento del desarrollo de los sectores turísticos y recreativos.

Licenciatura en Oceanografía

Duración: 5 años

Los graduados en esta carrera podrán ejercer toda actividad relacionada a la investigación y la profesión en carácter independiente o en relación de dependencia a través de trabajos específicos, asesoramientos, arbitrajes, pericias, tasaciones, etc. El ámbito de aplicación de estos alcances corresponde a toda masa de agua y su zona de influencia, los océanos, los mares, grandes lagos, sus fondos y subsuelos, entre otros. La carrera tiene varias orientaciones: física marina, geología marina, química marina y biología marina.

Tecnicatura en Cartografía, Sistemas de Información Geográfica y Teledetección.

Duración: 3 años

Las actividades profesionales del técnico, consisten en la realización de tareas de asesoramiento y análisis de los datos espaciales en organismos públicos (Universidades, Municipios, Gobernaciones) o de iniciativas de naturaleza privada (Consultoras). Estas tareas se podrán ejercer a través de: organismos y servicios permanentes de investigación y estudios ambientales, integrantes de entidades científicas, culturales, económicas y administrativas, prestación de servicios dirigidos a la realización de determinados estudios o investigaciones de interés para instituciones públicas o particulares, inclusive pericias y arbitrajes, prestación de servicios de carácter permanente o temporario bajo la forma de consultoría o asesoría a requerimiento de organismos públicos o privados.

PLAN ACADEMICO, REQUISITOS DE ADMISION, AYUDA

FINANCIERA: La enseñanza en la Universidad Nacional del Sur es libre y gratuita. Los cursos de grado no están arancelados. Las materias se cursan por cuatrimestre. El primer cuatrimestre comienza en marzo hasta finales de junio. El segundo cuatrimestre comienza en agosto hasta principios de diciembre. Hay un programa de intercambio

de alumnos extranjeros con otras Universidades, que administra la Secretaría General de Relaciones Institucionales y Planeamiento. El contacto es: sriyp@uns.edu.ar. La inscripción al Programa de Posgrado es gratuita y la admisión queda sujeta al Reglamento de Estudios de Posgrados Académicos. Los cursos para la obtención de los créditos son arancelados. Consultas en posgradodgyt@uns.edu.ar

PROFESORES de la UNIDAD ACADÉMICA DE GRADO

Angeles, Guillermo Raúl—GIS y Teledetección
Bagnulo, Cecilia Beatriz—Geografía Rural y Teoría del Planeamiento
Benedetti, Graciela—Biogeografía Cultural y Teoría y Epistemología de la Geografía
Bustos, Roberto Nicolás—Desarrollo Territorial y Geografía Regional Argentina
Campo, Alicia Maria—Geografía Física
Campos, Marta Mabel—Introducción a la Geografía y Metodología de la Investigación
Caramelli, Sabrina Maricel—Turismo y Organización de los Servicios Turísticos
Ercolani, Patricia Susana—Geografía del Turismo
Ferrera, Ilda Maria—Geografía Regional de África y Europa
Fittipaldi, Rosa Angela—Geografía Histórica y Geografía Económica, Política y Social
Formiga, Nidia E—Geografía Urbana y Geografía de la Población
Garriz, Eduardo Julio—Geografía Urbana
Grippo, Silvia Beatriz—Geografía Histórica y Geografía de América Latina
Jonke, Brenda Laura—Turismo y organización de los servicios turísticos
Lorda, Maria Amalia—Didáctica y práctica de la Geografía
Marengo, Nelida Silvia—Teoría del Planeamiento y Geografía Urbana
Minervino, Mario Roberto—Patrimonio Histórico y Cultural
Monachesi, Alejandra—Gestión Ambiental y Metodología de la Investigación Rural
Pascale, Juan Carlos—Planificación Urbana y del Turismo
Perez, Maria Inés—Técnicas y Metodología de la Investigación en Geografía
Piccolo, Maria Cintia—Hidrografía y Oceanografía
Pizarro, Nora Ester—Geografía Regional de Asia y de Am.del Norte
Rosell, Maria Patricia—Geografía Ambiental de la Argentina
Rubio, Maria Laura—Cartografía Automatizada
Santarelli, Silvia—Técnicas cualitativas y cuantitativas de la Geografía y Metodología de la Investigación
Sili, Marcelo Enrique—Organización y dinámica del espacio rural y Mercosur
Tonello, Sandra—Geografía Regional Argentina
Uboldi, Julio Alberto—GIS y Teledetección
Vaquero, Maria Del Carmen—Planificación Turística y Geografía de los Recursos Turísticos
Visciarelli, Stella Maris—Geografía Regional de América Latina y Geografía Turística

UNIVERSIDAD NACIONAL DE MAR DEL PLATA

**FACULTAD DE HUMANIDADES
DEPARTAMENTO DE GEOGRAFÍA**

DATE FOUNDED: 1991

**DEGREES OFFERED: Profesorado en Geografía,
Licenciatura en Geografía**

MAJOR: Problemática Territorial Argentina

**POINT OF CONTACT: Prof. Titular Ana Maria Liberali,
email: geofhum@mdp.edu.ar. Prof. Adjunta: Adriana
Martínez. Ayudante de Primera: Ana Laura Berardi.**

FOR FURTHER INFORMATION WRITE TO: Facultad de Humanidades – UNMDP Funes humana@mdp.edu.ar. <http://www.mdp.edu.ar/>. Teléfax: (0223) 475-2277.

PROGRAMS AND RESEARCH FACILITIES: Entendemos que la Geografía constituye un campo dentro de las Ciencias Sociales, cuya especialidad y objeto de estudio están representadas por la dimensión territorial de los procesos sociales. Pero atendiendo no solo al perfil de quienes integran a nuestra carrera, sino también a lo que se espera de un profesional egresado de esta Facultad, pensamos que no se debe descuidar la valorización histórica y tradicional del geógrafo como analista y trabajador del marco físico-natural. Es razón de esto planteamos una división interna de la carrera en las siguientes áreas: Físico-natural, Social, Instrumental operativa, territorial. Cada una de ellas se constituirá en el territorio natural de discusión y construcción de las propuestas específicas para cada ámbito diferenciado. Desde este nuevo instrumento institucional, anualmente se elaboraran las propuestas de la transferencia de conocimiento (sobre la base de contenidos mínimos) investigación y de extensión.

Objetivos: Que los alumnos determinen la influencia de los procesos socioeconómicos en la organización y apropiación del territorio nacional. Que los alumnos analicen las relaciones centro-periferia y sus consecuencias socioterritoriales sobre el territorio argentino. Que los alumnos apliquen los conceptos analizados al estudio de las regiones argentinas.

- UNIDAD 1: Análisis Regional. Formación espacial, formación social y formación regional. El sistema internacional. Políticas macroeconómicas e inserción regional.
- UNIDAD 2: Fases de Desarrollo. Proceso de asignación de los recursos. Implicancias socio territoriales de la inserción de la Argentina en el mercado mundial.
- UNIDAD 3: El Territorio Argentino. Límites, fronteras e integración. Aparato productivo. Circuitos comerciales y conectividad. Aspectos demográficos. Sistema regional.
- UNIDAD 4: Región Pampeana. Inserción en el contexto internacional. Análisis socio-económico. Consecuencias político-territoriales. Problemáticas regionales.
- UNIDAD 5: Región del Noroeste Argentino. Inserción en el contexto nacional. Análisis socio económico. Consecuencias político-territoriales. Problemáticas regionales.
- UNIDAD 6: Región del Noreste Argentino. Inserción en el contexto nacional. Análisis socio económico. Consecuencias político-territoriales. Problemáticas regionales.
- UNIDAD 7: Región de Cuyo. Inserción en el contexto nacional. Análisis socioeconómico. Consecuencias político-territoriales. Problemáticas regionales.
- UNIDAD 8: Región de Patagonia. Inserción en el contexto nacional. Análisis socio-económico. Consecuencias político-territoriales. Problemáticas regionales.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Se denominan *Becas de Investigación* a los estipendios que, a título de promoción, sin implicancia alguna de

relación laboral, se abonan para la formación de recursos humanos en investigación en el ámbito de la Universidad Nacional de Mar del Plata, a estudiantes, graduados y docentes, que deseen perfeccionar su formación en disciplinas científicas, tecnológicas, humanísticas y sociales.

UNIVERSIDAD NACIONAL DE TUCUMÁN

**FACULTAD DE FILOSOFIA Y LETRAS
INSTITUTO DE ESTUDIOS GEOGRAFICOS "Dr.**

Guillermo Rohmeder"

DATE FOUNDED: 1940 y refundado en 1981

DIRECTOR: Dra. Ana Isabel Rivas (2007-2009)

DEGREES OFFERED: M.S., Ph.D. en Ciencias Sociales

orientación Historia o Geografía

GRANTED: 9 Masters y 2 Ph.Ds

FOR FURTHER INFORMATION WRITE TO: Dra. Ana Isabel Rivas. Av. Benjamín Aráoz 800, San Miguel de Tucumán, Argentina. Código Postal 4000. Telephone (0054) 381-4107348. Fax (0054) 381-410171. E-Mail: ieg@filo.unt.edu.ar. Internet: <http://www.filo.unt.edu.ar>.

PROGRAMS AND RESEARCH FACILITIES: El Instituto de Estudios Geográficos "Dr. Guillermo Rohmeder" (I.E.G.) desarrolla sus actividades académicas desde 1940, pero luego de un amplio periodo de inactividad fue reabierto en 1981. Desde su creación, el Instituto de Estudios Geográficos planteó como objetivos principales: a) llevar a cabo investigaciones en el ámbito regional y b) divulgar los resultados de dichas investigaciones a través de publicaciones periódicas (series monográficas, libros, etc.) y de las labores docentes en la carrera de grado (Profesorado y Licenciatura en Geografía) y postgrado. Actualmente el I.E.G. está integrado por geógrafos e historiadores que se desempeñan como docentes e investigadores. También participan activamente en las tareas de investigación los becarios de postgrado y los estudiantes de grado y técnicos. Desde la década del '80 el equipo académico se orientó a la generación de conocimiento en el área de las Ciencias Sociales encarando problemáticas del ámbito provincial y regional. En este marco han surgido diversos programas y proyectos de investigación orientados hacia los estudios sociales y naturales de la provincia de Tucumán y del conjunto regional del norte argentino. Estos proyectos se ejecutan con el financiamiento de diversas instituciones nacionales como la Secretaría de Ciencia y Técnica de la Universidad Nacional de Tucumán, el Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET) y la Agencia Nacional de Investigación Científica y Tecnológica. Durante los últimos 15 años se han formalizado emprendimientos conjuntos con instituciones nacionales - como el Grupo de Estudios Rurales de la Universidad de Buenos Aires coordinado por la Mg. Norma Giarracca, la Asociación de Estudios de Población de la República Argentina (AEPA)- e internacionales como la Philipps- Universität Marburg y la Hochschule Vechta de Alemania y el departamento de Geografía de la Universidad de Málaga, España. Mediante estos contactos se generó un importante proceso de cooperación académica y científica entre los docentes/investigadores del I.E.G. y las instituciones mencionadas. Actualmente las líneas de investigación se orientan hacia las problemáticas urbanas y rurales, procesos y problemáticas agrarias, demografía, la calidad de vida en el noroeste argentino y medición y análisis de la pobreza en el Norte Grande Argentino. El I.E.G. cuenta con una Hemeroteca y Biblioteca cuyo objetivo es apoyar las funciones de los investigadores, docentes, estudiantes y profesionales vinculados con los programas y proyectos de investigación tanto del I.E.G. como de otros centros de investigación de la UNT, de universidades de la región y del país; visitantes extranjeros y

nacionales, así como de instituciones gubernamentales y no gubernamentales de nuestro medio. Realiza canje con 58 instituciones nacionales entre las que se destacan, universidades nacionales, institutos y centros de investigaciones históricas y geográficas, academias nacionales, INDEC, etc. Además mantiene un fluido canje con 76 instituciones extranjeras entre las que figuran universidades de Alemania como la de Kiel, Marburg, Hannover, Tübingen; de España como la Autónoma de Madrid, Sevilla, Cádiz, Barcelona, Zaragoza, etc.

Personal Responsable: Prof. Alicia Ferrari y Prof. Mercedes Porcel
E-mail hemeieg@filo.unt.edu.ar

Laboratorio de cartografía digital

Este laboratorio cuenta con un equipo de especialistas que realizan tareas relacionadas con los sistemas de información geográfica (SIG), los cuales se definen como el conjunto de herramientas para el análisis de la información del territorio, desarrolladas para ser usadas con computadoras personales. Las bases de datos del SIG incluye información cartográfica del área metropolitana de San Miguel de Tucumán, de la Provincia de Tucumán y del Norte Grande Argentino, información estadística del INDEC (Censos y Encuestas) y también registros recopilados a través de las investigaciones y servicios realizados por el I.E.G. Desde este ámbito se brinda servicios relacionados con Sistemas de Información Geográfica y Procesamiento de Imágenes de Satélite: cartografía general en soporte digital, cartografía temática, análisis espacial multivariante, procesamiento de imágenes de satélite, correcciones geométricas, georeferenciación, correcciones espectrales, composición falso color, clasificación multispectral y procesamientos multitemporales.

Personal a cargo: Ing. Horacio Madariaga, Dra. Claudia M. Hernández y Lic. Federico J. Soria.

Publicaciones

Revista Breves Contribuciones del IEG, editada por el IEG
Población y Sociedad, editada por la Fundación Yocavil

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: En el área de la Geografía, por medio de un trabajo consensuado entre docentes del área de Historia y Geografía se creó en 1995 la *Maestría en Ciencias Sociales (orientación Historia o Geografía)* con sede en el Instituto de Estudios Geográficos. Su origen respondió a las propuestas y necesidades personales de un grupo de docentes e investigadores de estas dos disciplinas y no fue el resultado de una política de postgrado general establecido en el seno de la propia Universidad. Desde el 2003 la Maestría se complementó con el Doctorado con el propósito de articular con el nivel superior y en consecuencia se creó la *Maestría y Doctorado en Ciencias Sociales (orientación Historia o Geografía)* acreditada por la CONEAU (Comisión el Nacional para la Evaluación y Acreditación Universitaria). Esta carrera se desarrolla en base a una oferta de cursos básicos de contenido metodológico y de formación general, los que se complementan con temáticas específicas de cada disciplina, es decir de Geografía e Historia, siendo algunos obligatorios y otros optativos. Se cuenta con un cuerpo estable de 11 profesores que proceden de universidades nacionales e internacionales (Universidad de Buenos Aires, de la Universidad de Quilmas, Universidad del Nordeste y del extranjero se puede mencionar a la participación desde la Universidad de Marburg, Alemania; la Universidad Autónoma de Madrid, entre otros). También cuenta con un cuerpo de profesores invitados, donde a los de Buenos Aires y Tucumán, se agregan docentes de Berkeley, Madrid, Turín, entre otros. Actualmente la carrera cuenta con 25 estudiantes, quienes pueden acceder al sistema de becas que ofrece la Secretaría de Ciencia y Técnica de la UNT o las del CONICET.

Director: Dr. Alfredo S.C. Bolsi E-mail bolsi@filo.unt.edu.ar
Secretaria: Lic. Noemí López E-mail nlopez@filo.unt.edu.ar

FACULTY:

Bolsi, Alfredo S. C., 2007 Ph.D. Universidad Nacional de Tucumán—Geografía Histórica, Geografía de la Población y Demografía.
Würschmidt, Enrique J., 1999 -Tucumán- Universidad Nacional de Tucumán—Geografía Física, Cartografía y Geografía Matemática.

BOLIVIA

UNIVERSIDAD MAYOR DE SAN ANDRÉS

**FACULTAD DE CIENCIAS GEOLÓGICAS
CARRERA DE INGENIERÍA GEOGRÁFICA
FUNDADA EN: 1984**

**GRADOS QUE OFRECE: Técnico Superior en
Ordenamiento Territorial y Catastro, Ingeniería
Geográfica, Maestría en Geopolítica de los Recursos
Naturales, Maestría en Teledetección y SIG
ESTUDIANTES ACTUALES: Ingeniería: 336 (2013);
Maestría: 64**

DIRECTOR: Msc. Erwin Galoppo von Borries

PARA MAYOR INFORMACION ESCRIBIR A: Erwin Galoppo, ergaloppo52@hotmail.com, Dirección de Carrera, Edif. de Geografía, Piso 3, of. 301, Campus Universitario de Cota Cota, Calle 27. Telef.: 2442881, 2612881, La Paz - Bolivia.

PROGRAMAS: La preocupación ambientalista de los últimos años y el “giro espacial” dentro de las ciencias sociales, primero en los países desarrollados y luego en el nuestro, ha vuelto a dar la importancia al objetivo de la Geografía: el análisis y la planificación del territorio o del espacio geográfico. Ideas tales como planificar el espacio geográfico, utilizar racionalmente nuestros recursos, ordenar el uso de la tierra, u ordenar el territorio, comienzan cada vez más a manejarse en los niveles de decisión gubernamentales de Bolivia y se prevé que la demanda por profesionales relacionados con estos campos, crecerá rápidamente en los próximos años. Esta demanda no solo incluye a los profesionales en otras disciplinas, sino también a los geógrafos como especialistas de la planificación del espacio. En este sentido, la Carrera de Ingeniería Geográfica, de la Facultad de Ciencias Geológicas de la UMSA, tiene el reto de responder adecuadamente a dicha demanda. Esto implica, la adecuación del Plan de Estudios de la Carrera de Ingeniería Geográfica, de acuerdo a los requerimientos de nuestra sociedad y al rápido desarrollo de la tecnología de los últimos años. La Carrera de Ingeniería Geográfica aparece por primera vez durante la década de los años 60 en la Universidad Mayor de San Andrés como Carrera de Geografía y Recursos Naturales, la misma que fue cerrada temporalmente. Desde 1984 se consolida como Carrera de Ingeniería Geográfica como parte de las carreras que ofrece la Universidad Mayor de San Andrés.

A partir de 2009 se aprueba el programa de Técnico Superior en Ordenamiento Territorial en la localidad de Achacachi, Provincia Omasuyos del Departamento de La Paz, Bolivia. El primer postgrado de la Carrera de Geografía se aprueba el año 2004 con el grado de “Maestría en Geopolítica de los Recursos Naturales”, 2 años más tarde el año 2005 se aprueba la segunda “Maestría en Teledetección y SIG”.

Técnico Superior en Ordenamiento Territorial y Catastro: La Carrera de Técnico Superior en Ordenamiento Territorial es parte del programa de desconcentración universitaria de la Universidad Mayor de San Andrés (UMSA) que se localiza en las áreas rurales del

Departamento de La Paz. En este caso el programa se localiza en la población de Achacachi, en la Provincia Omasuyos del Departamento de La Paz, a 4 horas de la ciudad de La Paz, en el Altiplano Boliviano cerca del Lago Titicaca. La Carrera de Técnico Superior en Ordenamiento Territorial es dependiente de la Carrera de Ingeniería Geográfica de la UMSA. La duración del programa es de 3 años.

Ingeniería Geográfica: La Carrera de Ingeniería Geográfica es dependiente de la Universidad Mayor de San Andrés (UMSA) localizada en la ciudad de La Paz. La Carrera de Ingeniería Geográfica otorga el grado de Ingeniero/a. La única Carrera que otorga el grado universitario en el tema de Geografía en Bolivia, en la Universidad Pública, es la Carrera de Ingeniería Geográfica de la UMSA. La duración de la Carrera es de 5 años.

El año 2013 se aprobaron las siguientes menciones: - Cambio climático, vulnerabilidad y riesgos - Geografía humana y gestión territorial - Geomática - Gestión Ambiental y Recursos Naturales - Ordenamiento Territorial y Catastro Así, el estudiante puede optar por las áreas mencionadas Maestría en Geopolítica de los Recursos Naturales: La Maestría tiene como objetivo formar recursos humanos con sólidos conocimientos en métodos, técnicas, y procedimientos de investigación que permitirán la obtención de título de Magister en Geopolítica de los Recursos Naturales. Este programa propone preparar a sus estudiantes para la docencia, la investigación, el trabajo especializado y la consultoría nacional e internacional, en los sectores público y privado. Tiene una duración de 2 años.

Maestría en Teledetección y SIG: El objetivo de la Maestría es formar profesionales de alto nivel técnico - científico, relacionados al uso de las técnicas y herramientas de la Teledetección Espacial y los Sistemas de Información Geográfica, capaces de utilizar en el diseño, puesta en marcha, ejecución, mantenimiento y actualización de proyectos y otras actividades relativas a esta temática, que califiquen teórica y técnicamente en la gestión de los recursos naturales y el medio ambiente. Tiene una duración de 2 años.

PROFESORES/PROFESORAS

Se indica el nombre, áreas de interés o materias que dicta:

Msc. Erwin Galoppo von Borries, Director de Carrera, Métodos Estadísticos en Geografía
Arq. Bertha Gozalves Kreuzer, Docente Emérito, Planificación Territorial, Geografía Urbana y Rural, Geografía Regional
Msc. Francisco Callejas, Docente Titular, Sociología y Geografía de la Población
Ing. Edwin Machaca, Docente Titular, Geología
Ing. Edmundo Flores, Docente Titular, Climatología e Hidrología
Ing. Raul Ayala, Docente Titular, Evaluación de Impactos Ambientales, Conservación el Medio Ambiente
Lic. Roberto Viscate, Docente Titular, Métodos de Investigación, Estadística
Ing. Oscar Vidaurre, Docente Titular, Ecología, Biogeografía
PhD. Yuri Sandoval, Docente Titular, Sistemas de Información Geográfica
Lic. Raul Salas Piludo, Docente Titular, Biología
Ing. José Pedro Rivera, Docente Titular, Informática
PhD. Vladimir Orsag, Docente Titular, Edafología
Ing. Nelson Aban, Docente Titular, Geomorfología
Ing. Juan José Flores, Docente Titular, Geografía Económica
Msc. Javier Nuñez Villalba, Docente Titular, Fotointerpretación, Percepción Remota

BRASIL

ASSOCIAÇÃO DE GEÓGRAFOS BRASILEIROS

TYPE OF INSTITUTION: Sociedade profissional/

Associação científica

PRIMARY ACTIVITY: Pesquisa

DATE OF FOUNDATION: 1934

PUBLICATIONS: Revista Terra Livre

WEBSITE: www.agb.org.br

FOR INFORMACION CONTACT: Nelson Rego (Porto Alegre), Presidente, Avenida Professor Lineu Prestes, número 338, CEP 05.508-970, bairro Cidade Universitária, São Paulo, Estado de São Paulo, São Paulo, Brasil, nacional@agb.org.br

MISSION: História da AGB A Associação dos Geógrafos Brasileiros (AGB) foi fundada por Pierre Deffontaines, em São Paulo, em 1934, no mesmo ano em que se iniciava os cursos de Geografia e História na Faculdade de Filosofia, Ciências e Letras da Universidade de São Paulo (FFCL/USP). Desde o seu surgimento a AGB congregou intelectuais de renome como: Caio Prado Junior, Luiz Fernando Moraes Rego, Rubens Borba de Moraes e Pierre Monbeig. Em 1944, AGB passou a se constituir em uma entidade de dimensões nacionais, que possuía sócios, profissionais, estudantes e colaboradores em todo o território brasileiro. As primeiras seções regionais foram criadas nos estados do Rio de Janeiro, Minas Gerais, Paraná, Pernambuco e Bahia. Em 1946, a AGB realizou em Lorena, São Paulo, a sua primeira reunião nacional, sucedida até 1955 por inúmeras reuniões anuais. Em 1956, a AGB promoveu o XVIII Congresso Internacional de Geografia da União Geográfica Internacional (UGI). Até o início dos anos 70 a AGB era caracterizada como uma associação de pesquisadores. Mas no final dos anos 70 (1978), na reunião anual realizada em Fortaleza, Ceará, a AGB estimulada pelo crescimento do movimento estudantil brasileiro, passou por uma renovação de sua perspectiva organizacional, que se refletiu no processo de reformulação de seu estatuto que a tornou uma associação mais integrada à luta pelos direitos humanos e ao debate político e democrático da sociedade. A história institucional da AGB está integrada à história da Geografia e do pensamento geográfico brasileiro, não havendo sentido em falar do pensamento geográfico sem citá-la. Dentre seus objetivos está a promoção do conhecimento científico a partir da troca de idéias de seus associados. Isso acontece nas reuniões regulares da Associação, nos fóruns de discussão e demais grupos de estudo. O diálogo se dá também por meio das publicações que mantemos. Boa parte da produção científica da Geografia brasileira encontra-se publicada em Anais de seus Congressos e Encontros. A AGB também é reponsável pelas edições da Revista Terra Livre e do Jornal AGB Em Debate. As Seções Locais são responsáveis pela publicação de várias revistas científicas como: o Boletim Paulista de Geografia, que completou 50 anos em 1999, o mais antigo em circulação; o Boletim Gaúcho de Geografia; o Prudentino de Geografia; o Fluminense de Geografia; e o Amazonense de Geografia. A AGB é uma entidade civil, sem fins lucrativos, que reúne geógrafos, professores e estudantes de Geografia preocupados com a promoção do conhecimento científico, filosófico, ético, político e técnico da Geografia para que se possa oferecer à crítica da sociedade uma abordagem geograficamente consistente dos seus/nossos problemas, com o intuito de aperfeiçoar do debate científico da Geografia e que se interessam pelo desenvolvimento de alternativas e iniciativas de promoção do bem-estar social. Nesse sentido, a AGB tem procurado reunir todos aqueles que entendem ser a Geografia uma das dimensões fundamentais da aventura do homem na superfície da Terra. Uma Diretoria Executiva Nacional e as várias

Seções Locais (com eleições a cada dois anos), formam a estrutura e o corpo da AGB que, com operação com órgãos similares, irradiam suas atividades por todo o país. Destaca-se entre seus objetivos: Promover o desenvolvimento da Geografia, pesquisando e divulgando assuntos geográficos; Estimular o estudo e o ensino da Geografia, propondo medidas para seu aperfeiçoamento; Manter intercâmbio e colaboração com outras entidades brasileiras e internacionais dedicadas à pesquisa geográfica ou de interesse correlato; Analisar atos dos setores públicos ou privados que interessem e envolvam a ciência geográfica, os geógrafos e as instituições de ensino e pesquisa da Geografia, e manifestar-se a respeito; Congregar os geógrafos, professores e estudantes de Geografia e demais interessados, pela defesa e prestígio da classe e da profissão; Promover encontros, congressos, exposições, conferências, simpósios, cursos e debates, bem como o intercâmbio profissional; Representar o pensamento de seus sócios, junto aos poderes públicos e às entidades de classe, culturais ou técnicas. 2. Ata de Fundação - 17 Setembro 1934 "Em 17 de setembro de 1934, à Av. Angélica, 133, os Srs. Pierre Deffontaines, Luiz Flores de Moraes Rego, Rubens Borba de Moraes e Caio Prado Jr, resolveram os presentes fundar uma sociedade de estudos geográficos denominada Associação dos Geógrafos Brasileiros. Esta Associação terá por fim: 1º. Reuniões periódicas dos membros com exposição de um assunto de Geografia brasileira por um do membros, seguida de discussão. 2º. Organização de excursões em comum para estudo de uma questão. 3º. Constituição de uma biblioteca especializada em Geografia, por colaboração dos membros e doações (livros, revistas e cartas). O Sr. Caio Prado Junior foi indicado para secretário, cabendo-lhe redigir as atas e ficando a seu cargo os demais serviços da secretaria. Para presidente foi indicado o Prof. Pierre Deffontaines. Para tesoureiro o sr. Rubens Borba de Moraes. A organização da biblioteca e do fichário com indicação de todos os livros, revistas e cartas existentes nas bibliotecas de São Paulo ficou a cargo dos srs Rubens Borba de Moraes e Caio Prado Junior. As reuniões serão realizadas na primeira e terceira segunda feira de cada mês, às 20 horas e meia na residência do Prof Deffontaines - Av Angélica, 133. A primeira reunião ordinária fica fixada para o dia 1º de Outubro. As reuniões se comporão de duas partes: 1º. Exposição e discussão. A exposição durará no máximo meia hora. 2º. Relatório de livros e artigos de Geografia. As comunicações poderão ser feitas em português ou francês. As contribuições dos membros serão recolhidas pelo tesoureiro. Cada membro terá completa liberdade para fixação da sua quota. Caberá ao tesoureiro indagar de cada um, individualmente, o montante de sua contribuição. Foram propostos e aceitos como objetivos a serem tratados, os seguintes assuntos: 1º. Esquema de um programa para o estudo do sólo em S. Paulo, pelo sr Moraes Rego - 1º. de Outubro. 2º. Etapas do povoamento de S. Paulo no XVI e XVII secs. pelo sr. Rubens de Moraes - 6 de Novembro. 3º. As fórmulas karsticas no vale do Ribeira do Iguape, pelo sr. Moraes Rego. Data a ser fixada. 4º. Ensaio dos tipos de povoamento no Estado de S. Paulo, pelo Prof Deffontaines. 15 de Novembro, digo Outubro. 5º. Ensaio de divisão regional de S. Paulo, pelo Prof Deffontaines. Data a ser fixada. 6º. Contribuição ao estudo da repartição da propriedade fundiária rural no Est. de S. Paulo, pelo sr. Caio Prado Junior. 19 de Novembro. Ficou deliberado que os novos membros da Associação seriam indicados de comum acordo, pelos membros efetivos. E para constar, eu, secretário, redigi esta ata que vai assinada pelos membros fundadores presentes. CAIO PRADO JR LUIZ FLORES DE MORAES REGO PIERRE DEFFONTAINES RUBENS BORBA DE MORAES

Estrutura e Organização: Da Estrutura Administrativa Art. 10 - A AGB será organizada nos níveis nacional e local. Art. 11 - A nível nacional será constituída pela Assembléia Geral Nacional, pelas Reuniões da Gestão Coletiva e administrada pela Comissão Diretora, composta pelos Diretores de Seções Locais ou por quem regularmente o substitui e pela Diretoria Executiva Nacional. Art. 12 - A nível local, denominada Seção Local, será constituída pela Assembléia Geral Local e administrada por uma Diretoria Executiva Local. Art. 13 - Os membros de qualquer cargo de direção da AGB, a nível nacional e local, não receberão qualquer remuneração.

Propósito da Organização: A AGB é uma entidade civil, sem fins lucrativos, que reúne geógrafos, professores e estudantes de Geografia preocupados com a promoção do conhecimento científico, filosófico, ético, político e técnico da Geografia para que se possa oferecer à crítica da sociedade uma abordagem geograficamente consistente dos seus/nossos problemas, com o intuito de aperfeiçoar do debate científico da Geografia e que se interessam pelo desenvolvimento de alternativas e iniciativas de promoção do bem-estar social. Nesse sentido, a AGB tem procurado reunir todos aqueles que entendem ser a Geografia uma das dimensões fundamentais da aventura do homem na superfície da Terra. Uma Diretoria Executiva Nacional e as várias Seções Locais (com eleições a cada dois anos), formam a estrutura e o corpo da AGB que, com operação com órgãos similares, irradiam suas atividades por todo o país. Destaca-se entre seus objetivos: Promover o desenvolvimento da Geografia, pesquisando e divulgando assuntos geográficos; Estimular o estudo e o ensino da Geografia, propondo medidas para seu aperfeiçoamento; Manter intercâmbio e colaboração com outras entidades brasileiras e internacionais dedicadas à pesquisa geográfica ou de interesse correlato; Analisar atos dos setores públicos ou privados que interessem e envolvam a ciência geográfica, os geógrafos e as instituições de ensino e pesquisa da Geografia, e manifestar-se a respeito; Congregar os geógrafos, professores e estudantes de Geografia e demais interessados, pela defesa e prestígio da classe e da profissão; Promover encontros, congressos, exposições, conferências, simpósios, cursos e debates, bem como o intercâmbio profissional; Representar o pensamento de seus sócios, junto aos poderes públicos e às entidades de classe, culturais ou técnicas.

MEMBERS: Seções Locais da AGB A AGB possui várias Seções Locais (com eleições a cada dois anos), que operam e irradiam suas atividades por todo o país, são elas:

Seção Local Aquidauana: aquidauana@agb.org.br
 Seção Local Aracaju: aracaju@agb.org.br
 Seção Local Baixo Amazonas: baamazonas@agb.org.br
 Seção Local Bauru-SP: atendimento@agbbauru.org.br
 Seção Local Belém - PA:
 Seção Local Belo Horizonte: bh@agb.org.br
 Seção Local Cáceres: caceres@agb.org.br
 Seção Local Campinas: campinas@agb.org.br
 Seção Local Campina Grande: capinagrande@agb.org.br
 Seção Local Campo Grande: campogrande@agb.org.br
 Seção Local Catalão: catalao@agb.org.br
 Seção Local Cuiabá: agb-cuiaba@yahoo.com.br
 Seção Local Curitiba-PR: curitiba@agb.org.br
 Seção Local Distrito Federal: distritofederal@agb.org.br
 Seção Local Dourados: dourados@agb.org.br
 Seção Local Fortaleza-CE: fortaleza@agb.org.br
 Seção Local Florianópolis: agbflorianopolis@gmail.com
 Seção Local Guarabira: guarabira@agb.org.br e alternativo agbguarabira@gmail.com
 Seção Local Goiânia: goiania@agb.org.br
 Seção Local Jataí-GO: agbjatai@yahoo.com.br
 Seção Local João Pessoa: agbjoaopessoa@yahoo.com.br
 Seção Local Juiz de Fora-MG: agbjuizdefora@gmail.com
 Seção Local Manaus: manaus@agb.org.br
 Seção Local Marechal Cândido Rondon-PR: mcrondon@agb.org.br
 Seção Local Niterói-RJ: niteroi@agb.org.br
 Seção Local Niterói: agbniteroi@yahoo.com.br
 Seção Local Porto Alegre-RS: portoalegre@agb.org.br
 Seção Local Presidente Prudente-SP: prudente@agb.org.br
 Seção Local Recife-PE: recife@agb.org.br ou agbrecife@gmail.com
 Seção Local Rio Branco: riobranco@agb.org.br
 Seção Local Rio de Janeiro-RJ: rio@agb.org.br
 Seção Local São Paulo: saopaulo@agb.org.br
 Seção Local Três Lagoas: treslagoas@agb.org.br
 Seção Local Uberaba: uberaba@agb.org.br
 Seção Local Viçosa-MG: vicosas@agb.org.br
 Seção Local Vitória-ES: agb.vitoria@gmail.com

EVENTO ANUAL:

http://www.agb.org.br/index.php?option=com_content&view=article&id=52&Itemid=45 (2500 a 5000 participantes cada ano)

ASSOCIAÇÃO PROFISSIONAL DE GEÓGRAFOS DE SANTA CATARINA

TYPE OF INSTITUTION: Sociedade profissional/
Associação científica, Sociedade civil sem fins econômicos

PRIMARY ACTIVITY: Comunicação / networking,
Defesa dos interesses dos Geógrafos Profissionais do Estado de Santa Catarina

WEBSITE: www.aprogeosc.blogspot.com

DATE OF FOUNDATION: 28 de novembro de 2008.

FOR INFORMACION CONTACT: Marcos Piovezan, Diretor-Presidente, Rua das Cerejeiras, 255 - Carvoeira Florianópolis - SC CEP 88040/510 www.aprogeosc.blogspot.com e-mail: contato@aprogeosc.com.br, Telefones: (48) 9947-3026 (48)3879-2120, e-mail: contato@aprogeosc.com.br

STRUCTURE AND DESCRIPTION OF ORGANIZATION: DA ESTRUTURA DA ENTIDADE DAS ASSEMBLÉIAS GERAIS ART. 11º - As Assembléias Gerais Ordinárias e Extraordinárias são instâncias máximas da entidade e soberanas em suas resoluções. PARÁGRAFO - 1º - As sessões das Assembléias Gerais Ordinárias serão anunciadas com 30 (trinta) dias de antecedência, através de edital e reunir-se-ão com um mínimo de dois terços dos Associados em primeira convocação, ou com qualquer número, em segunda convocação, 30 minutos após a primeira, deliberando por maioria dos votos, pelo número de presentes. PARÁGRAFO - 2º - Para as deliberações que tratem da destituição dos administradores ou alteração do estatuto é exigido o voto concorde de dois terços dos presentes à assembléia especialmente convocada para esse fim, não podendo ela deliberar, em primeira convocação, sem a maioria absoluta dos associados, ou com menos de um terço nas convocações seguintes. PARÁGRAFO - 3º - As sessões das Assembléias Gerais Extraordinárias serão anunciadas com 7 (sete) dias de antecedência, através de edital. Realizar-se-ão com um mínimo de dois terços dos Associados em primeira convocação, ou com qualquer número, em segunda convocação, 30 minutos após a primeira deliberando por maioria dos votos, pelo número de presentes. PARÁGRAFO - 4º - As Assembléia Gerais ocorrerão, no mínimo, a cada seis meses. PARÁGRAFO - 5º - As Assembléias Gerais serão convocadas pelo Presidente da Diretoria Executiva ou por maioria dos Associados em dia com suas obrigações, garantindo-se a um quinto dos associados em dia com suas obrigações o direito de provê-la. ART. 12º - Os trabalhos das Assembléias Gerais serão presididos pela Diretoria Executiva. ART. 13º - Compete à Assembléia Geral: a) Eleger e empossar os membros da Diretoria; b) Emendar ou reformar este estatuto nos termos do artigo 25; c) Deliberar sobre assuntos de sua competência previstos neste estatuto e outras matérias que lhe sejam encaminhadas pela Diretoria ou pelos associados; d) Apreciar relatórios, balanços, autorizar a alienação, vendas ou permutas de bens móveis e imóveis.

PURPOSE OF ORGANIZATION: ART. 1º - A ASSOCIAÇÃO PROFISSIONAL DOS GEÓGRAFOS DO ESTADO DE SANTA CATARINA – APROGEO-SC – é uma sociedade civil, sem fins econômicos, regendo-se pelo presente Estatuto e tendo por objetivos: a) Representar perante as autoridades administrativas, legislativas, judiciárias e demais instituições de caráter público ou privado os interesses individuais e coletivos dos associados, em relação à

categoria profissional representada pela Associação; b) Promover a defesa e a divulgação da profissão de Geógrafo, bem como o desenvolvimento da Geografia Aplicada; c) Apoiar grupos autônomos na pesquisa científica e na investigação tecnológica no âmbito profissional; d) Promover o desenvolvimento das categorias pertinentes à Lei 6.664/79 no que se refere a: a) reconhecimentos, b) levantamentos, c) estudos, d) pesquisas, e) arbitramentos e f) na organização, planejamento e disseminação da informação geográfica nos campos específicos da Geografia, entendida no sentido amplo em que abrange o conjunto das operações geográficas relativas à topografia, geodésia, cartografia, geomática, fisiografia, biogeografia, recursos hídricos, antropogeografia, geoeconomia, Geografia Legal e divulgação/disseminação da informação que, direta ou indiretamente conduzem à caracterização do evento no espaço geográfico. e) Propugnar pela defesa e ampliação do mercado de trabalho do Geógrafo e pela sua remuneração justa e condigna, atuando junto às entidades públicas e privadas, firmando convênios ou utilizando quaisquer outras formas de ação que possibilitem estes objetivos; f) Colaborar com o Estado como órgão técnico e consultivo, no planejamento, no estudo e solução dos problemas geográficos; g) Zelar pelo cumprimento do Código de Ética Profissional; h) Promover, em princípio, anualmente, uma Reunião-Consulta sobre Geografia, procurando debater temas pertinentes aos interesses de Geógrafos de órgãos oficiais e particulares; i) Participar de congressos, reuniões, conferências e exposições de interesse dos associados; j) Manter intercâmbio informativo-cultural com entidades estaduais, nacionais e internacionais de atividades afins; l) Proporcionar facilidades para constituição e funcionamento de comissões de estudo, particularmente quando designadas nas reuniões de consulta.

PROGRAMS OFFERED: METAS 2011 - Atuar na defesa das atribuições dos Geógrafos, dentro do Sistema CONFEA; - Participação na elaboração da Matriz do Conhecimento Geográfico (Resolução 1.012) - Deliberar funções para cada membro da APROGEO/SC, bem como, estipular prazos e acompanhá-los passo-a-passo; - Maior presença na Câmara da Agrimensura, que cuida dos interesses do Geógrafo dentro do nosso Conselho Regional - CREA/SC; - Divulgar a APROGEO/SC, para os futuros Geógrafos nas instituições de ensino, em jornais, programas de TV, entre outras formas de publicações; - Palestrar nos centros de ensino, como forma de identificação da associação para os Geógrafos e futuros profissionais; - Cadastramento de pessoas interessadas em ajudar nos procedimentos burocráticos da APROGEO/SC; - Contactar diretorias das demais Associações em prol dos Geógrafos, em todo território nacional; - Estabelecer parcerias com outras entidades, associações, instituições, empresas, etc;- Elaborar material de divulgação (cartazes, panfletos, folders); - Curso de Capacitação para o Geógrafo sobre atuação no mercado de trabalho.

MEMBERS: Sanata Catarina, unidade da Federação do Brasil.

UNIVERSIDADE DE BRASÍLIA

DEPARTAMENTO DE GEOGRAFIA

FUNDADO: 01 de fevereiro de 1972

PROGRAMAS: Bacharelado, Mestrado, Doutorado, Licenciatura, Licenciatura (à Distância/Virtuais)

URL PROGRAMA ON-LINE:

<http://www.serverweb.unb.br/matriculaweb/graduacao/curriculo.aspx?cod=3859>

http://vsites.unb.br/ih/novo_portal/portal_gea/lsie/revista/revista_index.htm

CONTATO PROGRAMA DE BACHARELADO:

Fernando Luiz Araújo Sobrinho, geaunb@unb.br

CONTATO PROGRAMA DE POS GRADUACAO:

Osmar A. de Carvalho Júnior, geaunb@unb.br

CENTROS DE PESQUISA: Instituto de Ciências Humanas

SITE DA INTERNET: <http://www.gea.unb.br>

CONTATO PARA MAIS INFORMAÇÕES: Fernando Luiz Araújo Sobrinho, Chefe de Departamento, Brasília, Telefone: 0xx61.3107.7253

PROGRAMAS E INSTITUIÇÕES DE PESQUISA:

APRESENTAÇÃO O curso de Geografia na Universidade de Brasília é ministrado há 42 anos. Desde a sua criação consolidou-se como grande formador de profissionais no mercado local e nacional. Atualmente, o curso conta com cerca de 400 alunos. Nos últimos anos, as disciplinas oferecidas pelo Departamento têm tido grande procura por parte de alunos de outros cursos, como por exemplo Geologia, Engenharia Florestal, Sociologia, Turismo, Ciências Ambientais, dentre outros. **HABILITAÇÕES** O Departamento de Geografia oferece habilitações na área de Licenciatura a Bacharelado. Para ambas habilitações, o total mínimo de créditos para a formatura é de 168. Para a conclusão do curso, o aluno deve permanecer na faculdade no mínimo 6 semestres, e no máximo 14. Ao exceder esse limite o aluno entra em processo de desligamento. O aluno pode optar por fazer as duas opções de habilitação, sendo que, uma determinada disciplina, por exemplo, não necessariamente inclui-se nas duas opções. **OBJETIVOS DO CURSO** O curso visa a formação de professores de ensino básico e médio e pesquisadores. O aluno formado em Licenciatura pode exercer sua profissão dando aulas de Geografia de Primeiro e Segundo graus, tanto em escolas públicas quanto particulares. Com o Bacharelado concluído, o aluno torna-se apto a entrar no mercado de trabalho como pesquisador, podendo trabalhar em diversos órgãos, ou apenas prestando consultoria. **O ESTUDANTE DE GEOGRAFIA** O estudante de Geografia necessariamente deve ter aptidão para pesquisa, seja ela de campo ou teórica e ter grande perceptividade. Saber entender o que acontece no espaço local, regional e mundial é de suma importância. **LABORATÓRIOS** O Departamento de Geografia possui diversos laboratórios que oferecem atividades de ensino, pesquisa e extensão, possibilitando a produção de conhecimento e a prática de professores e discentes. Os laboratórios que integram o GEA, são os seguintes: 1) Laboratório de Cartografia 2) Laboratório de Geografia Física Aplicada 3) Laboratório de Geoiconografias e mídias aplicadas 4) Laboratório de Climatologia 5) Laboratório de Ensino de Geografia 6) Laboratório de Análises Territoriais 7) Centro de Cartografia Aplicada e Análises Espaciais 8) Laboratório de Análises Espaciais 9) Laboratório de Geografia da Saúde.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO,

AJUDA FINANCEIRA: O aluno ingressante cumpre 168 créditos entre disciplinas obrigatórias (116 créditos), optativas (28 créditos) e módulo livre (24 créditos). A partir do segundo semestre poderá fazer dupla habilitação cumprindo para isso os créditos relativos as disciplinas didático pedagógicas. Ao final do curso obtém o título de

bacharel em Geografia e caso tenha feito a opção para dupla habilitação o de licenciado em geografia. O curso é gratuito, pois é oferecido por instituição pública de ensino federal.

PROFESSORES:

CHEFE DO DEPARTAMENTO: Fernando Luiz Araujo Sobrinho
Doutor em Geografia Área de Pesquisa: Geografia do Turismo, Rede Urbana, Desenvolvimento Urbano e Regional

SUBCHEFE DO DEPARTAMENTO: Ercília Torres Steinke Doutora em Geografia Área de Pesquisa: Climatologia, Recursos Hídricos e Gestão Ambiental

COORDENADOR: Everaldo Batista da Costa Área de Pesquisa: Geografia Urbana, Cidades e Patrimonialização, Geografia do Turismo

DOCENTE PERMANENTE

Claudia Andreoli Galvão Doutora em Economia Área de Pesquisa: Desenvolvimento Regional, Descentralização Industrial, Novas Territorializações.

Gloria Maria Vargas Doutora em Geografia Área de pesquisa: Geografia Política e Econômica. Desenvolvimento Regional.

Lúcia Cony Faria Cidade Doutora em Planejamento Urbano e Regional Área de Pesquisa: Planejamento Urbano e Regional

Marli de Oliveira Sales Doutora em Pedagogia Área de Pesquisa: Metodologia do Ensino e Aprendizagem em Geografia. Elaboração e avaliação de material didático

Marília Steinberger Doutora em Economia Área de Pesquisa: Planejamento Urbano e Regional

Mario Diniz de Araújo Neto Doutor em Geografia Área de Pesquisa: Gerenciamento de Recursos Hídricos e Zoneamento Ambiental

Neio Lúcio Oliveira Campos Doutor em Geografia Área de Pesquisa: Planejamento Urbano

Nelba Azevedo Penna Doutora em Geografia Área de Pesquisa: Planejamento Urbano, Geografia Humana, Educação

Osmar Abílio de Carvalho Júnior Doutor em Sensoriamento Remoto e Fotointerpretação Área de Pesquisa: Sensoriamento Remoto e Fotointerpretação

Rafael Sanzio Araújo dos Anjos Doutor em Cartografia Área de Pesquisa: Cartografia Temática, Sensoriamento Remoto para estudos urbanos, Sistemas de Informação Geográfica (SIG), monitoração e vetores de crescimento urbano, Dinâmica espacial urbana no território do Distrito Federal

Renato Fontes Guimarães Doutor em Sensoriamento Remoto e Fotointerpretação Área de Pesquisa: Cartografia, Fotointerpretação, Sensoriamento Remoto e Sistemas de Informações Geográficas.

Roberto Arnaldo Trancoso Gomes Doutor em Geografia Área de Pesquisa: Cartografia, Fotointerpretação, Sensoriamento Remoto e Sistemas de Informações Geográficas.

Roselir de Oliveira Nascimento Doutora em Geografia Área de Pesquisa: Geomorfologia, Pedologia e Geografia Física

Ruth Elias de Paula Laranja Doutora em Geografia Área de Pesquisa: Biogeografia, Desenvolvimento Regional e Planejamento Ambiental

Valdir Adilson Steinke Doutor em Ecologia Área de Pesquisa: Geografia Física e Meio Ambiente

Violeta de Faria Pereira Doutora em Geografia Área de Pesquisa: Geografia Agrária e Movimentos Sociais no campo

Waleska Valença Manyari Doutora em Geografia Área de Pesquisa: Geografia e Meio Ambiente, Geografia Física do Brasil e Fontes de energia.

UNIVERSIDADE DE CAXIAS DO SUL

CENTRO DE CIÊNCIAS HUMANAS E DA EDUCAÇÃO
FUNDADO: 10 de fevereiro de 1967

PROGRAMAS: Bacharelado, Licenciatura, Licenciatura (à Distância/Virtuais)

URL PROGRAMA ON-LINE:

<https://ucsvirtual.ucs.br/portais/curso191/>

<https://ucsvirtual.ucs.br/portais/curso139/>

CONTATO PROGRAMA DE BACHARELADO/POS GRADUACAO: Rozalia Brandão Torres, rbtorres@ucs.br

BACHARELADOS OUTORGADO ANUALMENTE:
curso em implantação, ainda sem ter ocorrido uma turma egressa

POS GRADUACAO OUTORGADO ANUALMENTE: 17

SITE DA INTERNET:

<http://www.ucs.br/portais/curso191/>

CONTATO PARA MAIS INFORMAÇÕES: Bernarde Schiavo Caprara, Diretora do Centro, Bento Gonçalves, Rio Grande do Sul, Brasil, Telefone: 5496590454, Fax: 5434495200, zaiazinn@gmail.com

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: Compõem as seguintes disciplinas presentes nos cursos de licenciatura e bacharelado em Geografia da Universidade de Caxias do Sul:

INTRODUÇÃO AO ESTUDO DA GEOGRAFIA: Ementa - Estudo das concepções do objeto e da evolução da Geografia enquanto ciência e das diferentes escolas teórico-metodológicas de interpretação do espaço geográfico, com ênfase nos conceitos básicos. O ensino de Geografia na Educação Básica e a pesquisa em Geografia.

GEOGRAFIA FÍSICA: Ementa - Estudo das diferentes teorias que explicam a origem do Universo e do Sistema Solar. Caracterização da Terra e da Lua, incluindo dimensões, orientação e localização espacial, movimentos e suas relações e consequências na natureza e no cômputo do tempo.

FUNDAMENTOS DE ESTATÍSTICA: Ementa - Estudo dos fundamentos básicos da estatística, de métodos e técnicas de coleta, da organização e análise de dados. Caracterização de população e amostragem. Estudo de medidas de tendência central e de variabilidade. Noções de regressão, correlação e séries cronológicas.

POPULAÇÃO E TERRITÓRIO: Ementa - Estudo das relações entre população, território e ideologia. Identificação e análise dos indicadores da dinâmica e da estrutura da população, com base em levantamento de dados populacionais.

GEOLOGIA GERAL E PEDOLOGIA: Ementa - Estudo da formação da Terra, suas modificações ao longo do tempo e influência dos agentes geológicos endógenos e exógenos. Caracterização e identificação dos minerais, rochas e solos.

CLIMATOLOGIA I: Ementa - Estudo dos conceitos de tempo, de clima e dos fatores meteorológicos controladores da dinâmica da circulação atmosférica. Caracterização da estrutura e composição da atmosfera.

CARTOGRAFIA GERAL: Ementa - Estudo dos conceitos cartográficos básicos e gerais para a Geografia. A evolução da cartografia e das técnicas de representação e interpretação do espaço geográfico. Elementos cartográficos. Alfabetização, leitura e interpretação cartográficas.

GEOGRAFIA URBANA: Ementa - Estudo da paisagem urbana e do lugar. Identificação e análise da dinâmica interna da cidade. Estudo dos processos que diferenciam as cidades nos espaços regional, nacional e global. Caracterização da constituição da rede urbana. Avaliação das diferenças na urbanização de países ricos e pobres. Análise do meio urbano local.

GEOGRAFIA RURAL: Ementa - Estudo dos conceitos básicos da organização do espaço rural no Brasil e no mundo. Caracterização da organização do espaço rural, suas atividades econômicas e relações com o meio urbano. Comércio internacional de produtos primários.

CLIMATOLOGIA II: Ementa - Estudo da circulação atmosférica, da variabilidade espacial do clima e seus fatores determinantes. Aplicação da climatologia na agricultura, no meio urbano e os problemas ambientais/climáticos decorrentes da poluição atmosférica.

GEOMORFOLOGIA: Ementa - Estudo dos conceitos básicos da geomorfologia nas escalas espacial e temporal. Análise e caracterização das unidades morfoestruturais e morfoesculturais do globo e da influência da geodinâmica e do clima, respectivamente.

HIDROLOGIA: Ementa - Estudo dos conceitos básicos da hidrologia e dos ciclos da água na natureza. Caracterização das águas continentais e oceânicas. Análise das políticas públicas em relação aos recursos hídricos e do impacto da ação humana na natureza.

GESTÃO DE RECURSOS HÍDRICOS: Ementa - Gestão de Recursos Hídricos. Modelos de Gestão. Políticas e Sistemas de Recursos Hídricos Nacional e no Estadual: diretrizes e instrumentos.

GEOGRAFIA ECONÔMICA: Ementa - Estudo dos conceitos básicos do capitalismo. Caracterização e análise da Divisão Internacional do Trabalho. Avaliação do Brasil no contexto da DIT. Análise dos processos de industrialização, dos circuitos da economia e da organização do espaço geográfico.

GEOGRAFIA DO BRASIL I - Ementa - Estudo das características físico-naturais do território brasileiro, das diferentes paisagens e os seus fatores determinantes.

SENSORIAMENTO REMOTO E GEOPROCESSAMENTO: Ementa - Estudo dos conceitos básicos e das aplicações do Sensoriamento Remoto na análise do espaço geográfico. Análise dos sistemas sensores existentes e dos produtos gerados. Estudo teórico/prático de técnicas de processamento digital e de interpretação visual de imagens. Uso dos Sistemas de Informação Geográfica (SIG's) na análise espacial e suas aplicações no ensino de Geografia.

GEOGRAFIA DO BRASIL II: Ementa - Estudo da formação sócio-espacial do Brasil através da análise das transformações dos meios geográficos. Análise da organização produtiva e identificação das articulações das regiões e das diferenças regionais no território brasileiro.

CARTOGRAFIA DIGITAL: Ementa - As representações de dados geográficos. Os conceitos básicos da cartografia temática. A cartografia temática por computador: equipamentos e softwares. Técnicas de representação cartográfica de informações geográficas. Símbolos e convenções cartográficas. Os elementos cartográficos e a arte final das representações cartográficas.

BIOGEOGRAFIA: Ementa - Análise dos fatores bióticos e abióticos e a distribuição das espécies nos diversos biomas terrestres. Caracterização das Unidades de Conservação e sua biodiversidade.

ORGANIZAÇÃO DO ESPAÇO MUNDIAL I: Ementa - Estudo do conceito de região segundo diferentes concepções teórico-metodológicas. Conceituação de desenvolvimento desigual e combinado. Análise das transformações culturais e políticas do mundo

contemporâneo através do conceito de organização do espaço mundial.

GEOGRAFIA DO RIO GRANDE DO SUL: Ementa - Análise da sucessão dos meios geográficos no espaço rio-grandense. Estudo do espaço físico e dos processos de ocupação e de estruturação do território gaúcho. A passagem do meio natural para o meio técnico-científico informacional. Análise da posição e da função da economia gaúcha no contexto nacional. Exame das diferenças regionais do Rio Grande do Sul e dos processos que as configuraram. A regionalização macro-econômica do Rio Grande do Sul.

GEOPOLÍTICA: Ementa - Estudo dos conceitos básicos em Geografia Política e caracterização da nova geopolítica mundial. Análise das concepções clássicas e contemporâneas de Estado e de suas relações com a distribuição do espaço. Exame da geopolítica brasileira.

GEOGRAFIA DOS PROBLEMAS AMBIENTAIS: Ementa - Estudo sobre os problemas ambientais, planejamento e impactos da organização social sobre o ambiente. Análise do uso dos recursos naturais e suas relações com a qualidade ambiental.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: Plano de Execução Curricular – Licenciatura em Geografia: 655 I Plano Curricular de Duração Média: 4 anos Reconhecido: Decreto n.º 69.347, de 11 de Outubro de 1971 (DOU de 13.10.71, p.8.235) Carga Horária Mínima CNE: 2.800 h/a (Res. CNE/CP n.º 2/2002) Carga Horária UCS: 2.670 h/a (164 créditos) + 200 h/a Ativ. Compl. 2870h/a - Res. CEPE No. 68/04 Curso de Bacharelado em Geografia: 671G (CARVI) Plano Curricular de Duração Média: 4 anos Reconhecido: Decreto n.º 69.347, de 11 de Outubro de 1971 (DOU de 13.10.71, p.8.235) Carga Horária Mínima CNE: 2.400 h/a (Res. CNE/CES n.º 8/2007) Carga Horária UCS: 2.490 h/a (166 créditos) + 100 h/a Ativ. Compl.= 2.590h/a - Res. CEPE No. 68/04

PROFESSORES: São professores das disciplinas específicas do curso: Ivanira Falcade, Doutora em Geografia - viticultura e indicações geográficas Adriana Trinidad, Mestrado em Geografia - Análise Ambiental e Territorial Márcia Berreta, Mestre em Geografia - GESTÃO AMBIENTAL DE BACIAS HIDROGRÁFICAS Rozalia Brandão Torres, Mestre em Sociologia - representações sociais Siclério Ahlert, mestre em Sensoriamento Remoto - Sensoriamento Remoto, Cartografia, SIGs, Planejamento Regional, Hidrologia, Climatologia e Mudanças Ambientais Globais

UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO

DEPARTAMENTO DE CIÊNCIAS HUMANAS E FILOSOFIA

FUNDADO: 4 de dezembro de 1950

PROGRAMAS: Licenciatura

URL PROGRAMA ON-LINE:

<http://www.cap.uerj.br/site/>

CENTROS DE PESQUISA: laboratório de ensino de geografia

SITE DA INTERNET: <http://www.cap.uerj.br/site/>

CONTATO PARA MAIS INFORMAÇÕES: Cesar Alvarez Campos de Oliveira, CHEFE DE DEPARTAMENTO, RIO DE JANEIRO, BRASIL, Telefone: (21) 2333-7872 | (21) 2333-7873 | (21) 2333-7874 | (21) 2333-7875 | (21) 2333-7876, professorfabioteu@gmail.com

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Laboratório de Ensino de Geografia, instalado no CAP/UERJ, abriga o Grupo de Pesquisa em Educação Geográfica, GPEG. As linhas de pesquisa desenvolvidas pelo GPEG (Grupo de Pesquisas em Educação Geográfica) tem como foco comum o desenvolvimento de estratégias metodológicas que possam colaborar com as práticas cotidianas de Educação Geográfica nos estabelecimentos de ensino, com efeitos multiplicadores na sociedade um todo.

Linhas de Pesquisa A Metodologia de Seminários como Estratégia de Autonomização Discente Coordenador: Prof^o. Dr^o. Augusto César Pinheiro da Silva Cartografia Escolar: currículo, metodologias e recursos didáticos Coordenadores: Prof^o. Dr^o. Cesar Alvarez Campos de Oliveira e Prof^o. Ms. Ronaldo Goulart Duarte A Produção Audiovisual no Ensino Básico: a Linguagem Imagética como Recurso para a Educação Geográfica Coordenadores: Prof^o. Dr^o. Rejane Cristina de Araujo Rodrigues e Prof^o. Ms. Fábio Tadeu Santana

UNIVERSIDADE ESTADUAL DE LONDRINA

DEPARTAMENTO DE GEOCIÊNCIAS

FUNDADO: 1961

PROGRAMAS: Associado / técnico, Bacharelado,

Mestrado, Licenciatura

CONTATO PROGRAMA DE BACHARELADO: Edna

ou Regina, dgeo@geo.uel.br

BACHARELADOS OUTORGADOS ANUALMENTE: 40

CONTATO PROGRAMA DE POS GRADUACAO:

Anderson, spgce@uel.br

POS GRADUACAO OUTORGADO ANUALMENTE: 20

CENTROS DE PESQUISA: Centro de Ciências Exatas – CCE

SITE DA INTERNET: <http://www.geo.uel.br/>

CONTATO PARA MAIS INFORMAÇÕES: Rosana Figueiredo Salvi, Vice-Coordenadora do Mestrado em Geografia, Departamento de Geociências Rodovia Celso Garcia Cid, Pr 445 Km 380, Campus Universitário Cx. Postal 6001, CEP 86051-980, Londrina - PR Fone: (43) 3371-4000, Fax: (43)3371-4216, e-mail: dgeo@geo.uel.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Curso de Geografia, em Londrina, teve início em março de 1958 na então Faculdade de Filosofia Ciências e Letras, tendo sido incorporado à Universidade Estadual de Londrina em 1972. Atualmente o curso está locado no Departamento de Geociências do Centro de Ciências Exatas da UEL, ocupando dois prédios próprios, dotados de oito salas de aula, sendo que quatro delas funcionam também como laboratórios e uma é de uso exclusivo do curso de Mestrado, doze salas de permanência de professores e os seguintes Laboratórios: Informática e Sensoriamento Remoto; Informática e Geoprocessamento; Aerofoto; Topografia; Cartografia; Pesquisas Urbanas e Regionais; Geografia Física; Estudos Agrários; Pedologia; Mineralogia; Microscopia e preparação de amostras e o de Ensino de Geografia. Conta ainda com uma Biblioteca de Geologia, uma sala onde funciona o grupo PET Programa Especial de Treinamento, uma sala ocupada pela seção Local da AGB Associação dos Geógrafos Brasileiros e uma sala que é a sede do NEMA – Núcleo de Estudos em Meio Ambiente. Conta com 7 funcionários para o atendimento a 3218 alunos. Oferece Disciplinas a outros sete cursos da Universidade: História, Ciências Sociais, Química, Agronomia, Ciências Biológicas, Engenharia Civil e Arquitetura. Oferece os seguintes cursos de pós-graduação: Lato sensu - Especialização no Ensino de Geografia e Especialização em Análise Ambiental em Ciências da Terra; Stricto sensu - Mestrado em Geografia. Seu corpo docente é composto por professores de diferentes formações: Geógrafos, Geólogos, Agrônomos e

Engenheiros Civis. A qualificação de seu corpo docente tem sido uma das metas do Departamento, fato corroborado pela instalação e funcionamento de cursos de Pós-graduação.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: Geografia Habilitação: Bacharelado e Licenciatura Turno: Matutino e Noturno Duração: 4 anos O curso O curso de Geografia da UEL deve propiciar as condições para que o estudante compreenda pressupostos filosóficos e epistemológicos, bem como desenvolver a capacidade de conexão entre as áreas do conhecimento e suas repercussões no entendimento das interações espaço sociedade, além de proporcionar uma formação profissional de qualidade e adequada às necessidades e demandas atuais. Onde pode atuar Escolas de ensino médio, institutos de pesquisa e de ensino superior. Saiba mais• A matriz curricular do curso é estruturada em disciplinas de tronco comum (licenciatura e bacharelado) nos dois primeiros anos; ao final do segundo ano o estudante opta por uma das habilitações. Para o contínuo alcance dos objetivos citados o curso disponibiliza laboratórios e acervo bibliográfico, viagens de campo coordenadas por professores no decorrer dos anos letivos, para as mais variadas regiões do Brasil e do Paraná. Os projetos de pesquisa, ensino e extensão desenvolvidos pelos professores envolvem a participação dos estudantes que aprimoram o uso de técnicas, metodologias e métodos específicos da ciência geográfica e da ciência em geral, ampliando sua formação. O curso pretende levar o estudante à investigação geográfica; identificar e discutir as diferentes escalas da Geografia; selecionar a linguagem científica adequada para o tratamento e análise da informação geográfica com ênfase na elaboração de mapeamentos; atuar como professor em conformidade com a legislação vigente.

DOCENTES:

Linha de Pesquisa e Orientação Adriana Castreghini de Freitas Pereira-Topografia

Airton Nozawa-Aerofotogrametria

Alice Yatiyo Asari -Geografia da população, Planejamento urbano e regional, Geografia e ensino

André Celligoi-Gestão de recursos hídricos subterrâneos

Angela Cristina Alves de Melo -Análise Ambiental Planejamento, Urbano e Ambiental

Angelo Spoladore-Geologia, Geomorfologia, Análise ambiental, Gestão de recursos hídricos subterrâneos

Carlos Alberto Hirata-Geografia Física

Claudio Roberto Bragueto-Geografia industrial, Geografia regional, Geografia agrária

Cleuber Moraes Brito-Análise ambiental, Mineração e meio ambiente
Deise Fabiana Ely-Geografia física, Climatologia geográfica, Epistemologia da geografia

Edilson Luis de Oliveira-Geografia urbana, Epistemologia da geografia

Edison Archela-Geologia e geomorfologia, Ensino de geologia, Recursos hídricos subterrâneos

Eliane Tomiasi Paulino-Geografia agrária, Geografia e ensino, Análise regional, Epistemologia da geografia

Eloiza Cristiane Torres-Geomorfologia, Recursos naturais, Ensino de geografia, Dinâmica da paisagem

Fábio Cesar Alves Cunha-Planejamento urbano e regional, Geografia urbana, Análise e planejamento ambiental, Discurso e representações geográficas, Geografia e ensino

Fernanda Leite Ribeiro-Topografia

Geraldo Terceiro Correa-Biogeografia, Recursos naturais, Hidrogeografia, Geomorfologia, Análise ambiental

Ideni Terezinha Antonello-Geografia agrária, Geografia regional, Epistemologia da geografia, Ensino de geografia

Jeani Delgado Paschoal Moura-Geografia agrária, Geografia e ensino
José Paulo Peccinini Pinese-Geologia, Geomorfologia, Análise ambiental, Geografia e turismo

Lúcia Helena Batista Gratão-Geomorfologia, Geografia e ensino, Análise ambiental

Luciano Nardini Gomes -Topografia, Georreferenciamento, Conservação de Solos
Márcia Siqueira de Carvalho-Geografia agrária, Geografia e ensino, Geografia da saúde, Epistemologia da geografia
Marcos Antonio Fávoro Martins –Geopolítica
Margarida de Cássia Campos-Ensino de geografia
Maria del Carmen M. H. Calvente-Geografia e ensino, Geografia e turismo
Mirian Vizintim F. Barros-Geoprocessamento, Sensoriamento remoto, Planejamento urbano e regional, Análise ambiental
Nilson Cesar Fraga -Planejamento Urbano e Regional, Análise Ambiental, Território, Rede e Poder, Meio Ambiente e Desenvolvimento
Nilza A.P. Freres Stipp -Análise ambiental de áreas impactadas, Análise ambiental em ciências da Terra, Uso, ocupação e manejo do solo
Omar Neto Fernandes Barros-Cartomática, Geoprocessamento
Oswaldo Coelho Pereira Neto-Geoprocessamento
Pedro Rodolfo S. Vendrame-Pedologia e Solos
Rigoberto Lazaro Prieto CAINZOS-Geoprocessamento, Uso/ocupação do Solo, Geoprocessamento aplicado à Análise Ambiental
Rodrigo Vitor Barbosa Sousa – Hidrologia, Geomorfologia Fluvial, Geoprocessamento, Análise Ambiental
Rosana Figueiredo Salvi-Epistemologia da Geografia
Rosely Maria de Lima-Geomorfologia, Hidrogeografia, Planejamento urbano e regional, Geografia e ensino, Análise ambiental
Ruth Youko Tsukamoto-Geografia agrária, Geografia e ensino
Tânia Maria Fresca-Geografia urbana, Geografia industrial, Planejamento urbano
Vespasiano de Cerqueira Luz Filho –Topografia, Geodésia, Economia do Meio Ambiente, Urbanismo
Wladimir Cesar Fuscaldo-Análise regional, Planejamento urbano e regional, Geografia e ensino, Análise ambiental, Recursos naturais

UNIVERSIDADE ESTADUAL PAULISTA “JÚLIO DE MESQUITA FILHO”

**DEPARTAMENTO DE GEOGRAFIA E
DEPARTAMENTO DE PLANEJAMENTO
TERRITORIAL E GEOPROCESSAMENTO**
FUNDADO: 1958
**PROGRAMAS: Bacharelado, Mestrado, Doutorado,
Licenciatura**
URL PROGRAMA ON-LINE:
<http://www.rc.unesp.br/igce/grad/geografia/informacoes.php>
**CONTATO PROGRAMA DE BACHARELADO: Prof.
Dr. Auro Aparecido Mendes, auroam@rc.unesp.br**
BACHARELADOS OUTORGADO ANUALMENTE: 30
**CONTATO PROGRAMA DE POS GRADUACAO: Prof.
Dr. Antônio Carlos Tavares, atavares@rc.unesp.br**
POS GRADUACAO OUTORGADO ANUALMENTE: 20
**CENTROS DE PESQUISA: LABORATÓRIO DE APOIO
AO ESTUDO DA GEOGRAFIA - LAEGE;
LABORATÓRIO DE CLIMATOLOGIA;
LABORATÓRIO DE ESTUDOS TERRITORIAIS
(LAET); Planejamento Municipal (LPM);
Observatório Territorial; Laboratório de Análises de
Formações Superficiais - LAFS; Laboratório de
Geomorfologia**
SITE DA INTERNET:
<http://www.rc.unesp.br/igce/grad/geografia/>

CONTATO PARA MAIS INFORMAÇÕES: Prof. Dr. Auro Aparecido Mendes, Coordenador do Curso de Geografia, Rio Claro, São Paulo, Brasil, Telefone: +55 (19) 3526-9204, auroam@rc.unesp.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Curso de Geografia do IGCE – UNESP/Campus de Rio Claro foi implantado em 1958 e é considerado um dos mais tradicionais e conceituados do Brasil. Compreende duas modalidades: Licenciatura (Períodos Integral e Noturno) e Bacharelado (Período Integral). O curso é gratuito e dispõe de 40 vagas em cada período; os prazos para integralização curricular são de 4 anos (tanto para o Período Integral, quanto para o Noturno). A modalidade Bacharelado apresenta três possibilidades de formação: a) Bacharelado com Ênfase em Análise Ambiental e Geoprocessamento; b) Bacharelado com Ênfase em Análise Sócio-Espacial e Planejamento Territorial; c) Bacharelado Regular (sem ênfase). O programa do curso consiste em um núcleo comum, abrangendo os quatro primeiros semestres, que contém as disciplinas de conteúdo geográfico básico, e de atividades específicas, nos semestres seguintes, conforme a modalidade escolhida. São considerados os conceitos sobre a produção do espaço na perspectiva de um desenvolvimento que respeite os limites sustentáveis do uso dos recursos naturais. O objetivo do curso é o de possibilitar uma formação abrangente nas ciências geográficas, a fim de que os futuros profissionais possam desempenhar de maneira eficiente suas funções, quer como licenciado, na regência de aulas no ensino fundamental e médio, quer como bacharel, no desempenho de suas atribuições técnicas e de pesquisa em empresas e instituições públicas e privadas. A Geografia é um dos caminhos para que possamos compreender o mundo em que vivemos. Os temas enfocados por essa ciência são bastante diversos, capazes de oferecer instrumentos essenciais para a compreensão da realidade social e para a intervenção no ordenamento do meio, na perspectiva do equilíbrio homem/natureza.

PROFESSORES:

- Prof. Dra. Andréia Medinilha Pancher* – Cartografia, Cartografia Temática, Geoprocessamento
- Prof. Dr. Adler Guilherme Viadana* – Biogeografia de Sistemas Aquáticos; Evolução da Paisagem Geográfica
- Prof. Dra. Ana Tereza Caceres Cortez* – Biogeografia, Ecologia, Recursos Naturais
- Prof. Dr. Anderson L. H. Christofoletti* – Análise do Desenvolvimento Sustentável em Bacias Hidrográficas; Climatologia Urbana; Geometria Fractal Aplicada em Climatologia; Impactos Ambientais Causados pelas Anomalias Climáticas; Variabilidade Climática
- Prof. Dr. Antonio Carlos Tavares* – Climatologia
- Prof. Dr. Auro Aparecido Mendes* – Geografia econômica, Geografia industrial
- Prof. Dra. Bernadete Castro Oliveira* – Antropologia Social Patrimônio Cultural e Meio Ambiente, Ensino de Antropologia
- Prof. Dra. Cenira Maria Lupinacci da Cunha* – Geomorfologia Cartografia, Geomorfológica Análise Ambiental
- Prof. Dra. Darlene Aparecida de Oliveira Ferreira* – Geografia Rural, Uso do Solo Urbano, Agricultura Familiar, Relação Cidade-Campo
- Prof. Dr. Elson Luciano Silva Pires* – Economia Política do Trabalho Economia Urbana e Regional
- Prof. Dr. Enéas Rente Ferreira* – Geografia dos transportes
- Prof. Dr. Fabiano Tomazini da Conceição* – Geomorfologia Geoquímica Manejo de Bacias Hidrográficas
- Prof. Dr. Fadel David Antonio Filho* – Geografia regional, ensino de geografia
- Prof. Dra. Iara Nocentini André* – Climatologia
- Prof. Dr. João Afonso Zavattini* – Climatologia Geográfica
- Prof. Dr. José Gilberto de Souza* – Geografia Agrária; Mercados e Tributação da Terra Rural; Políticas Públicas; Teoria e Método de Pesquisa em Geografia
- Prof. Dra. Magda Adelaide Lombardo* – Cartografia Análise da Informação Geográfica
- Prof. Dr. Manuel B. Rolando Berríos Godoy* – Meio Ambiente Recursos Naturais, Resíduos Sólidos Urbanos, Industriais e Especiais Cargas Perigosas
- Prof. Dra. Maria Isabel Castreghini de Freitas* – Cartografia Sensoriamento remoto aplicado à análise ambiental Sistema de Informação Geográfica (SIG)
- Prof. Dra. Maria Juraci Zani Dos Santos* – Geografia Física, Climatologia, Agroclimatologia, Bioclimatologia
- Prof. Dra. Nádia Regina do Nascimento* – Pedologia, Pedogênese Geomorfologia: relações morfogênese e pedogênese, Análise Ambiental: poluição dos solos, degradação desolos
- Prof. Dr. Paulo Roberto Teixeira Godoy* – Geografia Regional do Estado de São Paulo: Economia e Recursos Naturais
- Prof. Dr. Roberto Braga* – Planejamento urbano e regional, Planejamento ambiental, Políticas públicas e desenvolvimento local, Geografia urbana e regional
- Prof. Dr. Samuel Frederico*
- Prof. Dra. Sandra Elisa Contri Pitton* – Climatologia Aplicada e Qualidade Ambiental e de Vida
- Prof. Dr. Sérgio dos Anjos* – Cartografia Geoprocessamento
- Prof. Dra. Silvana Maria Pintaudi* – Geografia do Comércio, Serviços e do Consumo, Geografia Urbana
- Prof. Dra. Sílvia Ap. Guarniéri Ortigoza* – Geografia Humana do Brasil; Geografia Regional e Geografia Urbana
- Prof. Dra. Solange T. De Lima Guimarães* – Paisagem, percepção da paisagem, estudos ambientais, educação ambiental

UNIVERSIDADE FEDERAL DA GRANDE DOURADOS

FACULDADE DE CIÊNCIAS HUMANAS

FUNDADO: 2006

PROGRAMAS: Bacharelado, Licenciatura

CONTATO PROGRAMA DE BACHARELADO: Sedeval

Nardoque, geografia@ufgd.edu.br

BACHARELADOS OUTORGADO ANUALMENTE: 10

CONTATO PROGRAMA DE POS GRADUACAO: Jones

Dari, mestrado@geografia@ufgd.edu.br

POS GRADUACAO OUTORGADO ANUALMENTE: 10

CENTROS DE PESQUISA: LAPET / LAPLAN /

LABGEO / LEUA / LGF / LEG

SITE DA INTERNET:

<http://www.ufgd.edu.br/fch/geografia>

CONTATO PARA MAIS INFORMAÇÕES: Prof. Dr. Sedeval Nardoque, Coordenador do Curso de Geografia, Dourados, MS, Brasil, Telefone: 55 67 3410-2268, geografia@ufgd.edu.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: Curso: Geografia Modalidades do Curso: Bacharelado e Licenciatura Título acadêmico conferido: Bacharel e/ou Licenciado em Geografia Modalidade de ensino: Presencial Regime de matrícula: Seriado semestral a partir de 2009 Período de integralização: Mínimo 8 (oito) semestres para Licenciatura ou Bacharelado e 10 (dez) Semestres para Licenciatura e Bacharelado. Máximo 15 (quinze) semestres Carga Horária: - Bacharelado 3.312 horas - Licenciatura 3.630 horas Número de vagas: 70 (setenta) por turma Turno de funcionamento: Noturno e Sábados (manhã e tarde) Secretaria da Coordenação Coordenador: Prof. Dr. Sedeval Nardoque Secretário: Gilson Carlos Visú Horário de Atendimento ao Público: de segunda-feira a sexta-feira, das 13h15min às 17 h e 18 h às 22h. Endereço: Unidade II do Campus de Dourados, Rodovia Dourados – Itahum – Km 12 – Cidade Universitária Fone: (67) 3410-2268 Histórico do Curso: Legalmente, o Curso de Geografia do Campus de Dourados (UFMS) obteve autorização de funcionamento através da Portaria RTR/UFMS nº 102, de 9 de setembro de 1982 e reconhecimento pela Portaria MEC nº 553, de 11 de novembro de 1987, publicada no Diário Oficial da União de 12 de novembro de 1987. Foi criado em 1983 com funcionamento no período matutino, oferecendo 32 vagas para formação em Licenciatura Plena. A partir de 1991 o período de funcionamento foi transferido para o noturno com a ampliação para 45 vagas. A demanda matutina mostrou-se insuficiente por tratar-se de um curso de licenciatura cuja clientela potencial são alunos que exercem atividades profissionais durante o dia. Em 1999, o curso teve seu número de vagas novamente ampliado para 50. Durante todo período de funcionamento, o curso tem primado, por melhorias na qualidade do ensino, extensão e pesquisa, com destaque para esta última. É possível elencar ganhos qualitativos para o curso de Geografia da UFGD no que diz respeito à qualificação do corpo docente e à inserção do curso na comunidade através de atividades de pesquisa e de extensão. Com a criação da UFGD em 2005 e sua implantação em 2006, o curso de Geografia teve seu quadro docente ampliado de dez para dezesseis professores sendo: 14 doutores, 1 mestre e 1 especialista. Tal ampliação representou não só maior número de docentes diretamente envolvidos com o curso como também a diversificação de áreas de pesquisa, com destaque para formação de um núcleo voltado às temáticas ambientais e da Geografia Física. No ano de 2007, foi implantado Programa de Pós-Graduação em Geografia –nível Mestrado. É de reconhecimento saber que o funcionamento do Mestrado em muito 4 alavanca a qualidade da formação da graduação e isso deve ser computado como um dos pontos fortes do Curso de Geografia da UFGD.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: OBJETIVOS: Licenciatura Geral: Formar profissionais para o exercício do magistério no ensino fundamental, médio e superior. Específicos: Formar profissionais com domínio dos conhecimentos da ciência geográfica que assegurem uma base sólida para a construção de uma prática pedagógica autônoma e sintonizada com as atuais necessidades do ensino desta disciplina; Habilitar o profissional a realizar a transposição didática dos conhecimentos geográficos de acordo com o estágio de desenvolvimento cognitivo dos alunos; Habilitar o profissional para o planejamento e execução das atividades didáticas, visando o desenvolvimento do processo de alfabetização geográfica dos alunos no ensino fundamental e médio. Bacharelado Objetivo Geral: Formar profissionais com domínio das habilidades e competências necessárias ao exercício da profissão de Geógrafo, segundo as especificações da Lei no 6664/79 e alterações decorrentes. Objetivos Específicos: Formar profissionais habilitados a:- realizar reconhecimentos, levantamentos, estudos e pesquisas de caráter físico-geográfico, biogeográfico, antropogeográfico e geoeconômico e as realizadas nos campos gerais e especiais da Geografia que se fizerem necessárias;- delimitar e caracterizar regiões e sub-regiões geográfico-naturais e zonas geoeconômicas para fins de planejamento e organização do espaço;- equacionar em escala nacional, regional ou local problemas relacionados ao potencial geoecológico do País, objetivando a elaboração de medidas que visem o desenvolvimento e a diminuição dos impactos socioambientais negativos;- analisar e elaborar medidas de gestão do território, respeitando a capacidade de resiliência do ambiente e as características sociais existentes;- elaborar zoneamento socioambiental, de áreas urbanas e rurais, com vistas ao planejamento, incluindo, as escalas nacional, regional e local;- realizar estudos de diagnóstico e análise dos aspectos ecológicos e etológicos da paisagem geográfica e problemas conexos;- trabalhar na elaboração de políticas de povoamento, migração interna, migração e colonização de regiões novas ou de revalorização de regiões de velho povoamento;- trabalhar no estudo físico-cultural dos setores geoeconômicos destinados ao planejamento da produção;- atuar na estruturação ou reestruturação dos sistemas de circulação e de divisão administrativa da União, dos Estados, dos Territórios e dos Municípios quando necessário;- participar de levantamentos e mapeamentos destinados à solução de problemas socioambientais nas escalas nacional, regional e local.

CORPO DOCENTE:

Adauto de Oliveira Souza, Doutor em Geografia
Adelson Soares Filho, Mestre em Geografia
André Geraldo Berezuk, Doutor em Geografia
Cleonice Gardin, Doutora
Charlei Aparecido da Silva, Doutor em Geografia
Edvaldo César Moretti, Pós-Doutor em Geografia
Flaviana Gasparotti Nunes, Doutora em Geografia
Jones Dari Goettert, Doutor em Geografia
Lisandra Pereira Lamoso, Doutora em Geografia
Márcia Yukari Mizusaki, Doutora em Geografia
Maria José Martinelli Silva Calixto, Doutora em Geografia
Mário Cezar Tompes da Silva, Doutor em Geografia
Mário Geraldini, Especialista em Geografia
Pedro Alcântara de Lima, Doutor em Geografia
Sedeval Nardoque, Doutor em Geografia
Silvana de Abreu, Doutora em Geografia

UNIVERSIDADE FEDERAL DE JUIZ DE FORA

PROGRAMA DE PÓS-GRADUAÇÃO EM GEOGRAFIA (PPGEO)

DEPARTAMENTO DE GEOCIÊNCIAS
INSTITUTO DE CIÊNCIAS HUMANAS
UNIVERSIDADE FEDERAL DE JUIZ DE FORA
FUNDADO: 28/02/2011

COORDENADOR: Prof. Dr. Vicente Paulo dos Santos Pinto

CONTATO PARA MAIS INFORMAÇÕES: + 55 32 2102-3166, e-mail: ppg.geografia@ufjf.edu.br

CENTROS DE PESQUISA: Laboratório de Estudos da Paisagem (LABEP), Laboratório de Climatologia e Análise Ambiental (LABCAA), Laboratório de Geologia e Pedologia (GEOPED), Laboratório de Territorialidades Urbano-Regionais (LATUR), Laboratório de Cartografia, Laboratório de Geoprocessamento Aplicado (LGA), Laboratório de Aulas Multimeios, Núcleo de Pesquisa Geografia Espaço e Ação

SITE DA INTERNET: <http://www.ufjf.br/ppgeografia>

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA:

Disciplinas oferecidas: Metodologia da Pesquisa Geográfica, Tópicos Especiais em Estudos Sócio-Ambientais, Territorialidades Quilombolas e Campesinas, Geoprocessamento para Análise Ambiental, Políticas Públicas e Meio Ambiente, Avaliação e Gerenciamento de Riscos Ambientais, Espaço, Ambiente e Saúde, Geomorfologia Aplicada ao Estudo da Dinâmica e Evolução de Paisagens Tropicais, A Produção Capitalista do Espaço, A Cidade como Campo de Poder, Recursos Hídricos, Teoria e Epistemologia da Geografia, Estágio Docente Supervisionado, Seminário de Dissertação.

As exigências mínimas feitas aos candidatos à admissão ao PPGEO-UFJF incluem:

- diploma de conclusão de curso de Graduação em Geografia, ou em áreas afins, devidamente reconhecidos;
- apresentação da documentação exigida no Edital;
- habilitação para cumprir as específicas exigências do PPGEO-UFJF, explicitadas no Edital;
- demonstrar conhecer 01 (uma) língua estrangeira (inglês, espanhol, francês);
- cumprir as normas estabelecidas neste Regimento.

O PPGEO conta com o apoio financeiro do Programa de Apoio à Pós-Graduação (PROAP/CAPES), do Programa de Apoio a Programas de Pós-Graduação (APG/UFJF) e de um fundo de reservas próprio, proveniente das inscrições anuais. Além das bolsas de estudos que são distribuídas entre nossos alunos: 11 CAPES, 02 FAPEMIG, 03 de Monitoria, 01 bolsa do convênio internacional da OEA – Organização dos Estados Americanos (bolsa de Monitoria-UFJF) e 01 bolsa CAPES-PNPD (Pós-Doc).

PROFESSORES – DOCENTES PERMANENTE: O nosso quadro de docentes é composto pelos seguintes professores, todos com o título de doutor: Bruno Milanez, Carlos Eduardo Santos Maia, Cássia de Castro Martins Ferreira, Clarice Cassab Torres, Francisco de Assis Penteado Mazzetto, Geraldo César Rocha, Júlio César Gabrich Ambrozio, Leonardo de Oliveira Carneiro, Luis Angelo dos Santos Aracri, Maria Lucia Pires Menezes, Pedro José de Oliveira Machado, Ricardo Tavares Zaidan, Roberto Marques Neto, Vicente Paulo dos Santos Pinto

UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL

CURSO DE GEOGRAFIA

FUNDADO: 1962

PROGRAMAS: Bacharelado

URL PROGRAMA ON-LINE:

<http://geoufmsgc.blogspot.com>

CONTATO PROGRAMA DE BACHARELADO: Ana

Paula Correia de Araújo, geo.ccet@ufms.br

CONTATO PROGRAMA DE POS GRADUACAO:

Programa de pós-graduação ainda em elaboração

CENTROS DE PESQUISA: Centro de Ciências Exatas e

Tecnologias

SITE DA INTERNET: <http://geoufmsgc.blogspot.com>

CONTATO PARA MAIS INFORMAÇÕES: Ana Paula Correia de Araújo, Coordenador, Campo Grande, Mato Grosso do Sul, Brasil, Telefone: (67) 3345-7450, geo.ccet@ufms.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O curso de Geografia UFMS/CCET é um curso novo que privilegia a formação científica, técnica e aplicada necessária à atuação do geógrafo, em atendimento à Lei 6.664, de 26/06/1979, que cria a profissão e define suas atribuições profissionais. As instalações estão ainda em fase de construção. Em breve, o curso oferecerá aos seus estudantes e profissionais laboratórios e gabinetes de estudos e pesquisa, além de desfrutar das bases de pesquisa da UFMS, situadas no Pantanal Sul-Mato-Grossense. A proposta é de um curso aberto e atuante, com base em parcerias com órgãos públicos e ONG's, e voltado para a inserção de seus estudantes no mercado de trabalho.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO,

AJUDA FINANCEIRA: A Geografia consolida teoricamente sua posição como prática social, pedagógica e científica que busca conhecer, explicar e ensinar a organização do espaço, tanto em relação aos aspectos físicos como humanos. A dinâmica e a complexidade das análises geográficas, bem como suas relações com outras áreas do conhecimento, podem ser percebidas na estrutura curricular proposta para o curso, na modalidade Bacharelado. As particularidades e as generalidades são analisadas nas diferentes escalas geográficas e históricas. O curso de Bacharelado visa formar geógrafos com capacidade de responder as necessidades atuais do país revendo as formas tradicionais de utilização de recursos, analisando as transformações recentes no país e no mundo, participando da reorganização dos espaços mal aproveitados e na organização dos espaços a serem conquistados. Profissional capacitado, por uma linguagem científica moderna, a um trabalho interdisciplinar, (fundamental para o encontro de soluções que atenuem os desequilíbrios setoriais e regionais), bem como em firmas particulares de planejamento, indica a crescente demanda de "profissionais do espaço terrestre" que a Universidade deve preparar. Os conteúdos básicos e complementares da Geografia organizam-se em torno de: Núcleo específico – conteúdos referentes ao conhecimento geográfico; Núcleo complementar – conteúdos considerados necessários à aquisição de conhecimento geográfico e que podem ser oriundos de outras áreas de conhecimento, mas não excluem os de natureza específica da Geografia; Núcleo de opções livres – disciplinas optativas, cujos conteúdos serão escolhidos pelo próprio aluno, com orientação de um professor. O Aluno deverá cumprir seis disciplinas optativas de 68h/a, ao longo do curso, oferecidas na modalidade presencial e/ou distância, totalizando 408 h/a de carga horária. O Curso de Graduação de Bacharelado em Geografia será ministrado em quatro anos (8 semestres). A estrutura curricular envolve disciplinas obrigatórias e optativas visando estreitar as relações no plano didático-pedagógico e qualificar o currículo do profissional formado na Instituição. Em paralelo, o currículo contém o Trabalho de Conclusão

de Curso – TCC, obrigatório, desenvolvido durante o último ano do Curso, sob supervisão de um professor orientador previamente estabelecido. O Trabalho de Conclusão de Curso envolve: desenvolvimento de projeto de pesquisa ou; produto (vídeo, cartilha, jogos, software, etc.) ou; projeto de intervenção. Os eixos de conteúdos básicos e específicos e livres se articulam através de atividades complementares, Estágios, trabalhos de campo e aulas práticas. O Estágio Obrigatório será presencial, em empresas públicas e privadas do estado de Mato Grosso do Sul, e supervisionado. Atividades de campo serão previamente agendadas com os alunos e professores para sua realização a partir das necessidades de cada disciplina e do curso.

PROFESSORES:

Ana Paula Correia de Araújo - Geógrafa, doutora em Geografia - Geografia Rural - Universidade Federal do Rio de Janeiro

Icléia Albuquerque de Vargas - Geógrafa, doutora em Meio Ambiente e Desenvolvimento - Universidade Federal do Paraná

Antônio Conceição Paranhos Filho - Geólogo, doutor em Geologia Ambiental - Universidade Federal do Paraná

Emília Mariko Kashimoto - Geógrafa e Arqueóloga, livre-docente em Arqueologia - Universidade de São Paulo

Sérgio Ricardo Oliveira Martins - Geógrafo, doutor em Geografia Humana - População e Desenvolvimento - Universidade de São Paulo

Júlio César Gonçalves - Geógrafo, doutor em Geografia Física - Climatologia - Universidade de São Paulo

Mara Aline Santos Ribeiro - Geógrafa, doutoranda em Geografia - Universidade de Campinas

Sérgio Wilton Gomes Isquierdo - Geógrafo, doutor em Geografia Física - Universidade de São Paulo

UNIVERSIDADE FEDERAL DE MINAS GERAIS

DEPARTAMENTO DE GEOGRAFIA

FUNDADO: 1929

PROGRAMAS: Bacharelado, Mestrado, Doutorado, Licenciatura, Bacharelado (à Distância/Virtuais)

URL PROGRAMA ON-LINE:

<http://www.igc.ufmg.br/departamentos/geografia.htm>

<http://www.igc.ufmg.br/cursos/geografia.htm>

<http://www.ufmg.br/pos/geografia/>

CONTATO PROGRAMA DE BACHARELADO: Ana

Maria Simões, geoggrad@igc.ufmg.br

BACHARELADOS OUTORGADO ANUALMENTE: 20

POS GRADUACAO OUTORGADO ANUALMENTE: 20

CONTATO PROGRAMA DE POS GRADUACAO:

Antônio Pereira Magalhães Junior,

posgeog@igc.ufmg.br

CENTROS DE PESQUISA: Centro de Pesquisa Manoel

Teixeira da Costa

SITE DA INTERNET: www.igc.ufmg.br

CONTATO PARA MAIS INFORMAÇÕES: Antônio Pereira Magalhães Junior, Coordenador do Programa de Pós-Graduação em Geografia, Belo Horizonte, Brasil, Telefone: (31) 3409 5404; 3409 5421, Fax: (31) 3409 5410, geografia@igc.ufmg.br; posgeog@igc.ufmg.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA

A existência do Departamento de Geografia na UFMG antecede a própria criação do Instituto de Geociências, pois o Departamento fazia parte da antiga Faculdade de Filosofia desta Universidade, atendendo então, prioritariamente, ao curso de graduação em Geografia e

História, posteriormente desmembrados. Atualmente o Departamento atende a quatro cursos de graduação no Instituto de Geociências (Geografia Diurno, Geografia Noturno, Turismo e Geologia), além de outros na Escola de Arquitetura e Faculdade de Filosofia e Ciências Humanas da UFMG. Atende ainda aos cursos de pós-graduação strito sensu (mestrado e doutorado) em Geografia, além de apoiar cursos de especialização ligados ao Programa de Pós-Graduação em Geografia e outros. Seu corpo docente é formado por vinte e três doutores, dez mestres e um especialista. O Departamento de Geografia da UFMG compreende dois cursos de graduação: Geografia e Turismo, sendo que o curso de Geografia é oferecido nos turnos diurno (40 vagas anuais) e noturno (80 vagas anuais). O curso de Turismo é ofertado somente no período diurno (40 vagas anuais). O Programa de Pós-Graduação em Geografia oferece os cursos de Mestrado e Doutorado em Geografia, em duas áreas de concentração: Análise Ambiental e Organização do Espaço. Atualmente são 22 professores credenciados no Programa e 160 alunos. O curso de Mestrado foi iniciado em 1988 e o de Doutorado foi iniciado em 2003. Atualmente possui conceito 5 no sistema da CAPES. O Departamento de Geografia possui atualmente 34 professores, sendo que 27 já são doutores e os demais estão cursando o doutorado. O curso de Geografia e o Programa de Pós-Graduação em Geografia da UFMG são considerados de excelente qualidade em nível nacional, estando sempre posicionados nas primeiras posições nos rankings elaborados pelos órgãos do governo federal e agências de fomento. Tradicionalmente, o Departamento de geografia da UFMG se destaca nas áreas de Geomorfologia, pedologia, Geografia e meio ambiente, recursos hídricos, climatologia, geografia urbana e geografia social. O Departamento de Geografia funciona no Instituto de Geociências da UFMG. Conta com vários laboratórios (Laboratório de Geomorfologia; Laboratório de Geoprocessamento, etc.), biblioteca e auditório. O curso de Geografia tem a duração de 04 anos (08 períodos letivos) no período diurno e 05 anos (10 períodos letivos) no período noturno. Os alunos cursam disciplinas obrigatórias e disciplinas optativas, a maioria com carga horária de 60 horas-aula. Muitas das disciplinas possuem atividades práticas e trabalhos de campo que permitem aos alunos a complementação dos conteúdos teóricos. O curso de Geografia conta, para os trabalhos de campo, com as instalações do Instituto Casa da Glória situado na cidade de Diamantina, o qual permite a hospedagem e alimentação dos alunos e professores. O Instituto Casa da Glória apresenta excelentes instalações e permite que os alunos conheçam diferentes dimensões geográficas de uma das mais ricas regiões do Brasil em termos físicos e humanos. O curso de mestrado tem a duração máxima de 02 anos e o de doutorado tem a duração máxima de 04 anos. Também é ofertado o curso de graduação em Geografia, modalidade bacharelado, à distância. São contemplados 4 cidades de Minas Gerais, totalizando 160 alunos. O curso à distância segue o mesmo padrão e estrutura do curso presencial. As ementas das disciplinas ofertadas (e seus objetivos), além de outras informações, podem ser encontradas no site www.igc.ufmg.br (Departamento de Geografia).

REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA

Para o ingresso no curso de graduação, ocorre um processo seletivo de vestibular anual no qual são abertas 40 vagas para o turno diurno e 80 vagas (2 turmas) para o período noturno. Para o Programa de Pós-graduação também há um processo seletivo marcado pelas seguintes etapas: Análise dos projetos pelos prováveis orientadores indicados pelos candidatos; prova de idiomas; prova de conhecimentos específicos; análise do currículo e histórico escolar; entrevista. Em 2011 foram disponibilizadas 09 vagas para o doutorado e 23 vagas para o mestrado. O curso de graduação recebe apoio financeiro da Pró-Reitoria de Graduação em termos de recursos e bolsas de iniciação científica para alunos. Também recebe apoio de agências de fomento nacionais como a CAPES, o CNPq e a FAPEMIG. Diversos alunos são contemplados com bolsas de iniciação científica e alguns professores são bolsistas do CNPq. As disciplinas comuns às modalidades de licenciatura e bacharelado, ou à modalidade de licenciatura dos cursos diurno e noturno, permitem que o aluno matriculado no curso diurno possa cursá-las no curso noturno e vice-

versa (no caso da licenciatura). Para isto, basta que o aluno siga as exigências curriculares e que haja vaga disponível. Após formado, o aluno pode optar por cursar a outra modalidade do curso (licenciatura ou bacharelado), solicitando continuação de estudos. Para isto, deverá cursar as disciplinas exigidas. A duração média da complementação é de um ano e meio. Ocorrem duas entradas por ano no curso de geografia, sendo uma no início do 1º semestre letivo para os alunos do curso diurno (40 vagas), e outra no início do 2º semestre letivo para os alunos do curso noturno (40 vagas). São oferecidas 40 vagas anuais para o curso diurno (entradas no 1º semestre) e 40 vagas anuais para o curso noturno (entradas no 2º semestre). Os alunos dos cursos de Geografia possuem diferentes opções de estágios e intercâmbios nacionais e internacionais oferecidos dentro dos programas e acordos da UFMG, incluindo países do Mercosul, Europa e EUA.

CORPO DOCENTE:

Adriana Monteiro da Costa (Dra.) – Pedologia Situação funcional: Professor Adjunto
Allaoua Saadi (Dr.) – Geomorfologia; turismo Situação funcional: Professor Titular
Altair Sancho Pivoto dos Santos (mestre) – Turismo Situação funcional: Professor Assistente
Ana Maria Simões Coelho (mestre) – História do pensamento geografico; Prática de ensino Situação funcional: Professora Assistente
Ana Paula Guimarães Santos (mestre) – Turismo Situação funcional: Professora
André Augusto Rodrigues Salgado (Dr.) – Geomorfologia Situação funcional: Professor Adjunto
André Velloso Batista Ferreira (Dr.) – Metodologia da pesquisa em geografia; Geografia humana Situação funcional: Professor Adjunto
Antônio Pereira Magalhães Júnior (Dr.) – Geografia e recursos hídricos; geomorfologia; geografia e meio ambiente Situação funcional: Professor Adjunto
Bernardo Machado Gontijo (Dr.) – Biogeografia; geografia e meio ambiente Situação funcional: Professor Adjunto
Carlos Henrique Jardim (Dr.) – Climatologia Situação funcional: Professor Adjunto
Cássio Eduardo Vianna Hissa (Dr.) – Metodologia da pesquisa em geografia; geografia humana Situação funcional: Professor Adjunto
Célio Augusto da Cunha Horta (mestre) – Geografia humana; geografia política Situação funcional: Professor Assistente
Claúdia Lamounier Freitas (mestre) – Turismo Situação funcional: Professor Adjunto
Claudinei Lourenço (Dr.) – História do pensamento geográfico; Prática de ensino Situação funcional: Professor Adjunto
Cristiane Valéria de Oliveira (Dra.) – Pedologia; geografia e meio ambiente Situação funcional: Professor Associado
Cristina Helena Ribeiro Rocha Augustin (Dra.) – Geomorfologia; geografia e meio ambiente Situação funcional: Professor Titular
Doralice Barros Perreira (Dra.) – Geografia humana Situação funcional: Professor Adjunto
Fabiana Andrade Bernardes Almeida (mestre) – Turismo Situação funcional: Professor Assistente
Geraldo Magela Costa (Dr.) – Geografia urbana; planejamento urbano Situação funcional: Professor
Helder Lages Jardim (Dr.) – Geoprocessamento; sensoriamento remoto; cartografia Situação funcional: Professor Adjunto
Heloisa Soares de Moura Costa (Dra.) – Planejamento regional; planejamento urbano; geografia humana Situação funcional: Professor Associado
Janise Bruno Dias (Dra.) – Biogeografia; geografia e meio ambiente Situação funcional: Professor Adjunto E-mail: janisebruno@yahoo.com.br Telefone: 3409-5438 Sala: 325
Magda Luzimar de Abreu (Dra.) – Climatologia Situação funcional: Professor Associado E-mail: magda@csr.ufmg.br Telefone: 3409-6233 Sala: 313

Márcia Maria Lousada (mestre) – Turismo Situação funcional: Professor Assistente E-mail: lousadamarcia@yahoo.com.br Telephone: 3409-5409 Sala: 326

Maria Aparecida dos Santos Tubaldini (Dra.) – Geografia agrária Situação funcional: Professor Associado E-mail: ubaldini1@uol.com.br Telephone: 3409-5493 Sala: 329

Maria Luíza Grossi Araújo (Dra.) – Geografia agrária; geografia humana Situação funcional: Professora Adjunto E-mail: mluizagrossi@bol.com.br Telephone: 3409-5436 Sala: 321

Mariana de Oliveira Lacerda (mestre) – Turismo Situação funcional: Professor Assistente E-mail: mirilacerda@gmail.com Telephone: 3409-6237 Sala: 2046

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Philippe Maillard (Dr.) – Geoprocessamento Situação funcional: Professor Adjunto E-mail: philippe@ufmg.br Telephone: 3409-5461 Sala: 319

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Roberto Célio Valadão (Dr.) – Geomorfologia; geografia e meio ambiente Situação funcional: Professor Associado E-mail: valadao@ufmg.br Telephone: 3409-5434 Sala: 315

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Valéria Amorim do Carmo (Dra.) – Cartografia; Sensoriamento remoto; geografia e educação Situação funcional: Professor Adjunto E-mail: vamorimbh@yahoo.com.br Telephone: 3409-5432 Sala: 2044

Valéria de Oliveira Roque Ascenção (Dra.) – Prática de ensino em geografia; geografia e educação Situação funcional: Professor Adjunto E-mail: valeriaroque@gmail.com Telephone: 3409-5493 Sala: 329

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Weber Soares (Dr.) – Geografia humana; geografia urbana; redes Situação funcional: Professor Adjunto E-mail: weber.igc@gmail.com Telephone: 3409-5436 Sala: 321

Wellington Lopes Assis (Dr.) – Climatologia Situação funcional: Professor Adjunto E-mail: assisw@gmail.com Telephone: 3409-5430 Sala: 305

William Rosa Alves (mestre) – Geografia humana Situação funcional: Professor Assistente E-mail: wralves.bhz@uol.com.br Telephone: 3409-5437 Sala: 323

UNIVERSIDADE FEDERAL DE PERNAMBUCO

DEPARTAMENTO DE CIÊNCIAS GEOGRÁFICAS

DATE FOUNDED: 1950

GRADUATE PROGRAM FOUNDED: 1976 (Master); 2004 (Doctor)

DEGREES OFFERED: Bacharelado, Licenciatura, Mestrado e Doutorado em Geografia.

GRANTED 5/1/09-7/31/10: Bacharelados e Licenciados:

123; Mestres: 17; Doutores: 8

STUDENTS: Mestrado: 65; Doutorado: 38

CHAIR: Dr. Ranyere Nóbrega

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Departamento de Ciências Geográficas, Cidade Universitária, Edifício dos Institutos Básicos, CFCH, 60 andar, Cep 50640001 - Recife, Estado de Pernambuco, Brasil. Phone Number: 55-81-21268275; Fax Number: 55-81-21268275; e-mail address: Depcienciasgeograficas@yahoo.com.br.

PROGRAMS AND RESEARCH FACILITIES: The Department offers Geography Programs at Undergraduate (Bacharelado e Licenciatura) and Graduate (Master and Doctor) levels and these Programs provide training in Area and Systematic Studies. The Department through its Programs aims to strengthening a comprehensive view of Geography seeing this discipline as broadly interested in the study of the relationship between Society/Culture and Environment. Graduate courses are designed to facilitate student's research on their topics of interest and allow them to adopt applied or basic research attitudes. The Geography Graduate and Undergraduate Programs at the Universidade Federal de Pernambuco (UFPE) are surrounded by many others consolidated and productive Graduate and Undergraduate Programs in the Human Sciences (History and Archaeology, Anthropology, Political Science, Sociology, Urban Development, Economics, Social Work, Psychology, Education, Philosophy), in the Environmental Sciences and Engineering (Cartography, Geology, Environmental Sciences, Oceanography, Computer Sciences etc), in the Health Sciences (Public Healthy, Tropical Diseases, Medicine, Odontology, Nutrition, Occupational Teraphy, etc), in the Law Sciences and in Education. Not few of these programs are on the highest positions of prestige in the country and are highly interactive at international level. It results that students from Brazil or abroad, being they at Graduate or Undergraduate Programs, are expected to benefit from these strong advantages which exist beyond the strict confines of the Department. The UFPE has a high record of professional sustained cooperation with other Universities in Brazil and abroad. Main focal topics of graduate research are: a) Settlement & Change in Developing Regions; b) Urban Planning; c) Economic & Regional Planning; d) Tourism, Development and Spatial & Environmental Changes; e) Geomorphology, Water Resources and Ecology.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester System. Program duration: Undergraduate, 4 to 6 years; Master, 2 years including Thesis; Doctor, 4 years including Dissertation. *Admission graduate requirements:* interests in the field coincident with those of the Department, and clear evidence of competence to pursue graduate work at the Mestrado (Master) or Doutorado (Doctor) level; application requires curriculum vitae and research project (details: www.ufpe.br or cmgeo@ufpe.br), and other additional requirements (writing test, Portuguese language proficiency, letters of recommendation, for example) according to the Graduate Program Coordination. *Financial Aid:* possibilities of support through Brazilian federal programs which are available for nationals and foreigners (www.capes.gov.br).

FACULTY:

Nilson Crocia de Barros, Dr (1987) and Livre Docente (2004), U. de São Paulo—regional development, history of geography
Jan Bitoun, Dr, U. de Paris, 1982—urban geography & policy
Tânia Bacelar de Araújo, Dr, U. de Paris, 1982—economic & policy
Marlene Silva, Dr, U. de São Paulo, 1994—agricultural geography
Ana Cristina Fernandes, Dr, U. of Sussex, 1996—economic & regional policy
Edvânia T. Gomes, Dr, U. de São Paulo, 1997—urban geography
Alcindo José de Sá, Dr, U. de São Paulo, 1998—economics & agriculture
Eugênia Pereira, Dr, U. Federal Rural de Pernambuco, 1998—botany
Maria Fernanda Torres, Dr, Universidade de São Paulo, 1999—oceanography
Maria Bezerra de Araújo, Dr, U. Federal de Viçosa, 2000—environment & soils
Antônio Carlos Correa, Dr, U. Estadual Paulista/R. Claro, 2001—Geomorphology and Quaternary
Claudio Castilho, Dr, U. de Paris, 2001—urban geography & tourism
Aldemir D. Barbosa, Dr, U. Federal do Rio de Janeiro, 2003—environment & tourism
Vanice Selva, Dr, U. Federal do R. de Janeiro, 2003—environment & tourism
Caio Amorim Maciel, Dr, U. Federal do R. de Janeiro, 2004—cultural & rural geography
Silvana Neves, Dr, U. Federal da Bahia, 2004—environment & geomorphology
Hernani Loebler Campos, Dr, U. Federal do R. de Janeiro, 2004—water resources & management
Josicleida Domiciano Galvino, Dr, U. Federal da Paraíba, 2005—environment & geotechnology
Claudio Ubiratan Gonçalves, Dr, U. Federal Fluminense, 2005—rural & regional planning
Fernando Mota Filho, Dr, U. Federal de Pernambuco, 2006—environment & planning
Rui B. Pordéus, Dr, U. Federal do Rio de Janeiro, 2007—environment & geotechnology
Ranyere Silva Nóbrega, Dr, U. Federal de Campina Grande, 2008—meteorology

* Taís Correa, MSc, U. F. de Pernambuco, 1984

* L. J. de Oliveira, MSc, U. F. de Pernambuco, 1982

* Activities only at the undergraduate program.

UNIVERSIDADE FEDERAL DE SANTA CATARINA

DEPARTAMENTO DE GEOCIÊNCIAS

FUNDADO: 18 de dezembro de 1960

PROGRAMAS: Bacharelado, Mestrado, Doutorado, Licenciatura

URL PROGRAMA ON-LINE:

<http://www.cfh.ufsc.br/geografia/>

CONTATO PROGRAMA DE BACHARELADO: Valmir

Volpato, volpato@cfh.ufsc.br

BACHARELADOS OUTORGADO ANUALMENTE: 20

CONTATO PROGRAMA DE POS GRADUACAO:

Juliana Blau, secpggeo@cfh.ufsc.br

POS GRADUACAO OUTORGADO ANUALMENTE: 20

CENTROS DE PESQUISA: Centro de Filosofia e Ciências Humanas

SITE DA INTERNET: <http://www.cfh.ufsc.br/geografia/>

CONTATO PARA MAIS INFORMAÇÕES: Valmir Volpato, Expediente da Coordenadoria, Florianópolis, Santa Catarina, Brasil,

Telefone: +55 (48) 3721-9256, Fax: +55 (48) 3721-9983, volpato@cfh.ufsc.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Curso de Graduação em Geografia é parte integrante do Departamento de Geociências, nas suas atividades de Ensino/Pesquisa/Extensão, vinculado ao Centro de Filosofia e Ciências Humanas. É atendido por quatro áreas específicas do Departamento de Geociências (Fonte: <http://www.cfh.ufsc.br/geografia/>): 1.Geologia; 2.Cartografia; 3.Geografia física; 4.Geografia humana. O Curso de Geografia da UFSC está definido com base no Currículo Mínimo do CFE e na Lei que regulamenta a Profissão de Geógrafo, pelo sistema CONFEA/CREAs. O Curso de Graduação em Geografia da UFSC tem por objetivo formar Geógrafos nas habilitações de Licenciatura e Bacharelado, como profissionais devidamente habilitados a desenvolver trabalhos de ensino, de pesquisa e de aplicação técnica, nos campos gerais e específicos da ciência geográfica, bem como no equacionamento e proposição de soluções para problemas relativos aos usos dos recursos naturais e implicações sócio-espaciais, em âmbito local, regional e nacional. Assim, o profissional da Geografia deverá saber usar em seu trabalho (ensino, pesquisa e atividades de aplicação técnica), conhecimentos de investigação científica adquiridos na formação acadêmica, a partir de princípios, métodos e técnicas da Ciência Geográfica. Princípios Básicos •Compromisso com a construção do conhecimento geográfico, com a cultura brasileira e com a democracia cidadã. •Compromisso ético com a vida em suas diferentes manifestações naturais e sociais. •Respeito à pluralidade de indivíduos, ambientes, culturas e interação profissional. •Compromisso com a qualificação e competência profissional geográfica. •Atuação propositiva na busca de soluções relativas a questões geográficas. •Envolvimento permanente com os fundamentos teóricos e metodológicos da ciência geográfica. •Desenvolvimento crescente das habilidades gerais e específicas da geografia. Objetivos do Curso Formar profissionais devidamente habilitados a desenvolver atividades de ensino, de pesquisa e de aplicação técnica, a partir de princípios, métodos e técnicas da Ciência Geográfica. Na habilitação LICENCIATURA, formar profissionais para o magistério do ensino fundamental e médio. Na habilitação BACHARELADO, formar profissionais para trabalhar em atividades de reconhecimento, levantamentos, estudos e pesquisas de caráter físico-geográfico e geoeconômico, realizações nos campos gerais e específicos da geografia. Habilidades que articulam tanto a formação de bacharel quanto a de licenciado 1.Articular os elementos conceituais e empíricos, concernentes ao conhecimento científicos dos processos espaciais e sociais. 2.Conhecer, analisar, interpretar e por em prática as diversas manifestações do conhecimento geográfico, tanto ao nível técnico-profissional enquanto bacharel, quanto ao nível do ensino fundamental e médio enquanto licenciado. 3.Articular, interpretar e explorar integradamente, nos diferentes níveis do ensino, da pesquisa, e das atividades voltadas à extensão universitária, os eventos e/ou fenômenos geográficos dirigidos aos elementos naturais e humanos, nas diferentes escalas espaço-temporais. 4.Dominar métodos e técnicas instrumentais de laboratório e de campo, relativas à produção e aplicação do conhecimento geográfico. 5.Planejar, propor, elaborar e executar projetos de pesquisa e de extensão acadêmica no âmbito da Geografia. 6.Interpretar mapas temáticos ou outras representações gráficas e cartográficas. 7.Dominar a língua portuguesa como forma de expressão, para viabilizar a produção e a difusão do conhecimento geográfico. Habilidades mais específicas ao campo do licenciado 1.Atuar no processo ensino-aprendizagem junto às escolas, públicas e privadas, no nível de ensino fundamental e médio. 2.Organizar e dominar os conhecimentos sobre a natureza e sociedade, adequando-os ao processo de ensino-aprendizagem em Geografia nos diferentes níveis de ensino.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA:

Fonte: <http://www.cfh.ufsc.br/geografia/> 1.O aluno fará opção no vestibular exclusivamente para o Curso de Geografia diurno ou para o noturno. A opção do aluno por Licenciatura ou Bacharelado será feita

ao longo do curso. O aluno poderá graduar-se nas duas habilitações desde que cumpra os respectivos currículos. 2. Entrarão duas turmas por ano: uma para o período matutino (diurno) no primeiro semestre do ano letivo e outra para o período noturno no segundo semestre do ano letivo. 3. O curso oferecerá 80 vagas anualmente, sendo 40 vagas para o turno matutino e 40 vagas para o noturno. 4. A duração da habilitação Bacharelado será de 8 semestres, sendo o mínimo de 6 semestres e o máximo de 14 semestres para a integralização das disciplinas. A duração da habilitação Licenciatura será de 9 semestres, sendo o mínimo de 7 semestres e o máximo de 16 semestres para a integralização das disciplinas. 5. As disciplinas terão 18 semanas de aulas por semestre letivo. 6. Como disciplinas optativas, o aluno poderá escolher quaisquer disciplinas oferecidas pela UFSC, obedecendo os pré-requisitos na sua origem, não podendo ultrapassar 20% da carga horária mínima do curso. (Conforme estabelecido pelo documento “Orientações Básicas para a Reforma Curricular nos Cursos de Graduação” elaborado pela equipe DCN/DEG/PREG-UFSC [Professora Dra. Araci Hack Catapan, Professor Dr. Marcos Laffin e assessoria especial de prof. Dra. Maria Conceição Manhães]) 7. As disciplinas obrigatórias específicas do currículo do curso de Bacharelado poderão ser optativas para o curso de Licenciatura, da mesma forma que as disciplinas obrigatórias específicas do currículo do curso de Licenciatura poderão ser optativas para o Curso de Bacharelado. 8. Para subsidiar o aluno na escolha da habilitação que deseja desenvolver no decorrer do curso - Bacharelado ou Licenciatura - foi incluído na quarta e última unidade do Programa da Disciplina História do Pensamento Geográfico oferecida na 1ª fase, conteúdo programático específico denominado “A formação profissional e o mundo do trabalho: Bacharelado e Licenciatura”, destinado a detalhar as diferenças entre as duas habilitações. 9. O aluno deverá desenvolver ao longo do curso atividades acadêmico-científico-culturais correspondentes a 200 horas, detalhado no link Atividades Acadêmicas 10. O Exame Nacional de Desempenho dos Estudantes – ENADE, é componente curricular obrigatório conforme Lei no 10.861, de 14 de abril de 2004, “sendo inscrito no histórico escolar do estudante somente a sua situação regular com relação a essa obrigação, atestada pela efetiva participação ou, quando for o caso, dispensa oficial pelo Ministério da Educação, em forma estabelecida em regulamento”. 11. A carga de horas/aula semanal média em sala de aula será para Bacharelado será de 20 H/A e para Licenciatura será de 20 H/A, considerando-se a realização de optativas. 12. O currículo deverá ser implantado gradativamente (Conforme Resolução nº 017/CUn/97), com implantação da 1ª fase no primeiro semestre do ano de 2007, evitando prejuízos aos alunos vinculados ao currículo atual (implantados em 1992/1 – diurno e 1992/2- noturno). 13. As horas/aula assinaladas com as letras PCC, (veja link Matriz Curricular), correspondem às horas-aula de Prática como Componente Curricular, voltadas à formação do futuro professor, conforme regulamentação específica. (Resolução Nº 2, de 19 de fevereiro de 2002 e Resolução Nº 1, de 18 de fevereiro de 2002) 14. As horas/aula indicadas na observação a serem realizadas fora do horário normal de aula (veja link Matriz Curricular), correspondem a atividades que poderão ocorrer em finais de semana (sábado e/ou domingo) e/ou durante a semana, de acordo com plano de ensino e destinam-se a: 1) realização de trabalho de campo; 2) levantamento de dados em órgãos públicos para trabalhos acadêmicos; 3) leituras obrigatórias das respectivas disciplinas; 4) realização de trabalhos em equipes: teóricos ou práticos; 5) realização de avaliação com consulta bibliográfica: provas, monografias, etc.; 6) assistência de aulas em estabelecimentos de ensino que estão desenvolvendo conteúdos relativos à respectiva disciplina.

PROFESSORES:

Alessandra Larissa D'Oliveira Fonseca Área: Oceano
 Ângela da Veiga Beltrame Área: Biogeografia
 Carla Van Der Haagen Custodio Bonetti Área: Oceanografia Costeira
 Carlos José Espíndola Área: Econômica
 Clécio Azevedo da Silva Área: Rural / Alimentação
 Edison Ramos Tomazzoli Área: Geologia
 Elson Manoel Pereira Área: Urbana

Érico Porto Filho Área: Ambiental
 Ewerton Vieira Machado Área: Urbana
 Gerusa Maria Duarte Área: Geologia / Recursos Hídricos
 Harrysson Luiz da Silva Área: Brasil
 Jarbas Bonetti Filho Área: Oceanografia
 João Carlos Rocha Gré Área: Sedimentologia
 Joel Robert Georges Marcel Pellerin Área: Cartografia
 José Messias Bastos Área: Econômica
 Juan Antonio Flores Área: Geologia
 Leila Christina Duarte Dias Área: História da Geografia
 Luiz Antônio Paulino Área: Cartografia
 Luiz Fernando Scheibe Área: Geologia / Ambiental
 Magaly Mendonça Área: Climatologia
 Marcelo Accioli Teixeira de Oliveira Área: Geomorfologia
 Marcos Aurélio da Silva Área: Econômica
 Maria Lúcia de Paula Herrmann Área: Geomorfologia
 Nazareno José de Campos Área: Urbana / Rural
 Norberto Olmiro Horn Filho Área: Geologia
 Paulo Roberto Pagliosa Alves Área: Oceano
 Rosemy da Silva Nascimento Área: Cartografia e Educação Ambiental
 Ruth Emília Nogueira Locho Área: Cartografia
 Walquíria Krüger Corrêa Área: Rural Curriculum Vitae Lattes

UNIVERSIDADE FEDERAL DE UBERLÂNDIA

FACULDADE DE CIÊNCIAS INTEGRADAS DO PONTAL

FUNDADO: 1969

PROGRAMAS: Bacharelado, Licenciatura

URL PROGRAMA ON-LINE:

<http://www.facip.ufu.br/geografia>

CONTATO PROGRAMA DE BACHARELADO: Gerusa

Gonçalves Moura, cocgeo@pontal.ufu.br

SITE DA INTERNET: <http://www.facip.ufu.br/geografia>

CONTATO PARA MAIS INFORMAÇÕES: Gerusa Gonçalves Moura, Coordenadora do Curso, Ituiutaba, Minas Gerais, Brasil, Telefone: (34) 3271-5248, Fax: (34) 3271-5249, cocgeo@pontal.ufu.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O curso de Geografia da Faculdade de Ciências Integradas do Pontal - FACIP/UFU parte do princípio da indissociabilidade entre ensino, pesquisa e extensão, além da necessidade de articulação entre bacharelado e licenciatura. Portanto, apresenta uma estrutura curricular única que visa a preparação simultânea de licenciados e bacharéis, partindo de três núcleos de formação: 1. Núcleo de Formação Específica (constituído por conhecimentos da Ciência Geográfica); 2. Núcleo de Formação Pedagógica (constituído pelos conhecimentos teórico-práticos da área de educação e de ensino); 3. Núcleo de Formação Acadêmico-Científico-Cultural (engloba as atividades acadêmicas complementares e o Trabalho de Conclusão de Curso, que pode ser uma monografia ou um relatório de estágio profissional). Sendo assim, o curso se baseia em linhas de pesquisa que estão relacionadas com os três núcleos de formação da estrutura curricular, citados acima. Essas linhas de pesquisa são: a) Gestão socioambiental em bacias hidrográficas; b) Planejamento e desenvolvimento regional; c) Ensino de Geografia: desenvolvimento de metodologias e práticas educativas. No que se refere às instâncias, o curso conta com infraestrutura de salas de aula, auditórios e laboratórios para o desenvolvimento das atividades teóricas e práticas, além da possibilidade de realização de viagens de campo. Merecem destaque o Laboratório de Geografia Humana e Ensino; o Laboratório de Geotecnologias; e o Núcleo de Análises Ambientais em Geociências. Essas características do programa e das instalações

fornece subsídios para que os profissionais formados neste curso sejam aptos a: I) analisar as configurações socioespaciais; II) diagnosticar e propor alternativas levando em conta a relação teoria prática; III) elaborar e executar projetos de pesquisas no âmbito da Geografia; IV) tratar o ensino, a pesquisa e a extensão como elementos indissociáveis, de modo que estes possam compor a prática dos profissionais em Geografia; V) desenvolver investigações científicas sobre os aspectos socioeconômicos, políticos e socioambientais, e os processos deles resultantes; VI) habilitar profissionais para o exercício do magistério de Geografia nas séries iniciais/finais do Ensino Fundamental (e/ou) do Ensino Médio em instituições públicas ou privadas de ensino e em todo o território nacional; VII) compreender, de forma ampla e consciente, o processo educativo, considerando as características das diferentes realidades e níveis de especialidade em que se processam.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: O curso de Geografia da Faculdade de Ciências Integradas do Pontal - FACIP/UFU, que integra as modalidades licenciatura e bacharelado, tem duração de 10 semestres, com carga horária mínima de 3320 horas, sendo: 2040 horas dedicadas para o Núcleo de Formação Específica em Geografia; 1080 horas para o Núcleo de Formação Pedagógica; e mais 200 horas referentes ao Núcleo de Formação Acadêmica-científico-cultural. A estrutura curricular do curso apresenta um conjunto de disciplinas que garantem uma formação balanceada entre os aspectos sociais e ambientais por meio de atividades teóricas e práticas. Cabe ressaltar ainda que ao longo do curso o aluno pode cursar disciplinas optativas e participar de atividades de campo. No que se refere aos requisitos para admissão, o candidato deve ser aprovado no processo seletivo da Universidade Federal de Uberlândia, baseado no Sistema de Seleção Unificada - SisU, disponibilizando anualmente 26 vagas para o período matutino e 30 vagas para o período noturno. Em relação ao financiamento, existem vários projetos em desenvolvimento com apoio da própria universidade, além de outros órgãos de fomento como a Fundação de Amparo à Pesquisa de Minas Gerais - FAPEMIG, o Conselho Nacional de Desenvolvimento Científico e Tecnológico - CNPq, a Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES, Ministério da Educação - MEC, entre outros.

PROFESSORES:

Anderson Pereira Portugal - Geografia Humana; Turismo; Desenvolvimento
Antônio de Oliveira Júnior - Planejamento Urbano; Planejamento e Gestão do Território; Sistemas de Infraestrutura do Território
Carlos Roberto dos Anjos Candeiro - Geociências; Paleontologia Estratigráfica; Geografia Física; Paleozoologia
Carlos Roberto Loboda - Geografia Urbana, Espaços Públicos, Áreas Verdes Públicas Urbanas, Geografia Econômica; Ensino de Geografia
Gerusa Gonçalves Moura - Ensino de Geografia, Geografia Urbana, Representações Cartográficas, Representações e Imagens
Gilnei Machado - Climatologia Geográfica; Hidrogeografia; Geoecologia; Geomorfologia; Ensino-Aprendizagem
Hélio Carlos Miranda de Oliveira - Geografia Urbana, Cidade Média, Relação Cidade-Campo, Rede Urbana, Metodologia científica, Educação a distância
Joelma Cristina dos Santos - Geografia Econômica, Geografia Agrária, Geografia do Trabalho, relação capital x trabalho, mundo do trabalho, relação cidade-campo, agroindústria canavieira
Jussara dos Santos Rosendo - Sensoriamento Remoto, Sistemas de Informação Geográfica, Cartografia, Geoprocessamento, Monitoramento de bacias hidrográficas, Uso da terra, Estoque de Carbono nos solos
Kátia Gisele de Oliveira Pereira - Geociências, Geomorfologia, Climatologia, Gestão de bacias hidrográficas, Meio ambiente e cidadania

Maria Beatriz Junqueira Bernardes - Educação ambiental; Ensino de geografia
Nágela Aparecida de Melo - Geografia urbana; Cidade; Campo; Cidade Média; Pequena Cidade
Patrícia Francisca de Matos - Geografia agrária, Modernização da agricultura, Cerrado, Reforma agrária, Movimentos sociais
Rildo Aparecido Costa - Geociências, Geografia Física, Uso e Apropriação do meio físico, Biogeografia, Geomorfologia, Análise de bacias hidrográficas, Planejamento e Gestão Ambiental
Roberto Barboza Castanho - Geoprocessamento, Cartografia, Sistema de Informações Geográficas, Sensoriamento Remoto, Fotointerpretação
Saul Moreira Silva - Geografia física, Geomorfologia, Levantamento e classificação dos solos, Pedologia, Ensino solos
Sérgio Gonçalves - Geografia Humana, Movimento dos Trabalhadores Sem Terra, Desenvolvimento rural, Assentamentos rurais, Geografia agrária e Planejamento regional
Vitor Koiti Miyazaki - Geografia Urbana, Cidade Média, Rede Urbana, Aglomeração urbana, Morfologia urbana

UNIVERSIDADE FEDERAL DO CEARÁ

DEPARTAMENTO DE GEOGRAFIA

FUNDADO: 19 de novembro de 1954

PROGRAMAS: Bacharelado, Mestrado, Doutorado, Licenciatura

URL PROGRAMA ON-LINE:

<http://www.posgeografia.ufc.br/>

CONTATO PROGRAMA DE BACHARELADO:

geograf@ufc.br

BACHARELADOS OUTORGADOS ANUALMENTE: 50

CONTATO PROGRAMA DE POS GRADUACAO:

posgeog@ufc.br

POS GRADUACAO OUTORGADO ANUALMENTE: 20

CENTROS DE PESQUISA: Centro de Ciências

SITE DA INTERNET: <http://www.geografia.ufc.br/portal/>

CONTATO PARA MAIS INFORMAÇÕES: Dr. Alexandra Bezerra da Rocha, Fortaleza, Ceará/CE, Brasil, Telefone: (85) 33660000, alexandrarocho@hotmail.com

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Curso tem como objetivo formar um profissional de Geografia, seja o licenciado, seja o bacharel apto para exercer com eficácia e competência suas funções:- Propiciar meios e instrumentos para o bacharel realizar reconhecimentos, levantamentos, estudos e pesquisas de caráter físico-geográfico, antropogeográfico e geoeconômico no campo específico da Geografia;- Considerando a Geografia como uma Ciência Social que estuda a sociedade através do espaço, o educando deverá ser capaz de analisar, interpretar e pensar criticamente a realidade próxima, tendo em vista sua transformação e contradições espaciais como reflexos das relações sociais.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: O Curso de Geografia ocupa e funciona em edifício de qualidade, no bloco 911, do Campus do Pici da UFC, na área do Centro de Ciências. Este dado é importante, pois provoca constantes encontros, bem como, facilita o contato com profissionais e pesquisadores de outras áreas do conhecimento de vários setores da Universidade. Em várias ocasiões, participamos de reuniões com esses profissionais. No Departamento de Geografia, desenvolvemos as atividades em vários laboratórios e gabinetes que facilitam as condições de trabalho. O Curso de Geografia foi criado em 1963, e

tem prestado significativa contribuição ao desenvolvimento cearense, com a formação de pessoal especializado em diversas áreas. Mantém cursos regulares de Licenciatura e Bacharelado. Em 1995, iniciou o curso de Mestrado em "Desenvolvimento e Meio Ambiente" em conjunto com os Departamentos de Biologia, Economia Agrícola e Geologia. Em 2005, iniciou mais um curso de pós-graduação, o Curso de Mestrado em Geografia. Em 2009, iniciou o Curso de Doutorado em Geografia. Possui instalações apropriadas ao desenvolvimento de várias atividades de Ensino, Pesquisa e Extensão: salas especiais de projeção, auditório acústico e climatizado e salas de aula climatizadas. É equipado com 9 (nove) Laboratórios especializados. O Departamento de Geografia tem mantido CONVÊNIOS com organizações nacionais e internacionais, que têm contribuído para o desenvolvimento de pesquisas em seus laboratórios. Dentre esses destacam-se: PROJETO STATUS Fundação Nacional do Meio Ambiente - Diagnóstico Sócio-Ambiental e da qualidade de vida dos Tremembé de Amofala - Itarema - CE. Concluído ALFA - América Latina - Formação Acadêmica (Comunidade Européia e várias universidades). Concluído Projeto WAVES - UFC / Governo alemão. Concluído CAPES/COFECUB - Departamento de Geografia - Instituto Francês de Urbanismo (Université de Paris 8) - 1995 - 1999. SUDENE - Delimitação e Regionalização do Nordeste Semi-Árido. PETROBRÁS/FIEC - Abastecimento de gás natural para as indústrias de Fortaleza. METROFOR - Trem Metropolitano de Fortaleza. IPLANSE - ÁRIDAS. Prefeitura Municipal de Icapuí - Diagnóstico Sócio-Ambiental. FBFF/FASE/Arquidiocese de Fortaleza: Problemas e Soluções. Arquidiocese de Fortaleza: Delimitação e Mapeamento das Áreas de Índios Tapebas da Região Metropolitana de Fortaleza. CNBB - 2a. Semana Social Brasileira e Ante-Projeto de Lei de Saneamento Básico. URCA - Curso de Especialização.

UNIVERSIDADE FEDERAL DO MARANHÃO

DEPARTAMENTO DE GEOCIÊNCIAS

FUNDADO: 28/07/56

PROGRAMAS: Bacharelado, Licenciatura

SITE DA INTERNET:

http://www.ufma.br/paginas/pagina_cursos.php?cod=4

CONTATO PARA MAIS INFORMAÇÕES: Juarez Soares Diniz, Chefe de Departamento, São Luís, Maranhão, Brasil, Telefone: 98 3301-8330, Fax: 98 3301-8329, juarezsd@yahoo.com.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O profissional da Geografia deve conhecer a natureza através do estudo dos aspectos que interferem na vida e na organização espacial das sociedades e em suas inter-relações. Deve, ainda, estudar os aspectos estruturais da sociedade e as formas como essa sociedade se apropria da natureza. O Bacharel em Geografia poderá exercer, com registro no CREA, atividades de pesquisa, planejamento regional e ambiental, contribuindo para solucionar problemas de organização do espaço nos seus diferentes enfoques. O Licenciado em Geografia está habilitado ao exercício do magistério, fundamental e médio, podendo também atuar no ensino de disciplinas não-instrumentais em cursos superiores de Geografia e afins. Poderá exercer cargos administrativos e/ou integrar equipes de projetos. Seus campos de atuação estão nas diversas instituições de estudo, pesquisa e ensino das áreas das Geociências e Ciências Humanas, especificamente Órgãos públicos e privados de estudos, planos e projetos ambientais (EIAs/RIMAs), Centros de pesquisas espaciais e afins, Órgãos de planejamento regional e similares, Empresas de produção cartográfica convencional, Políticas urbanas/agrícolas, Ensino público ou privado, Políticas educacionais, Geoestatísticas.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: Para ingressar no curso de Geografia (Bac-Lic) o candidato deve ter concluído o ensino médio e prestar o Exame Nacional do Ensino Médio - ENEM, e estar classificado entre os 48 primeiros lugares. Para integralização do curso na modalidade bacharelado o estudante deve cumprir 112 créditos das disciplinas do Núcleo de Fundamentação Humanística, 16 créditos do Núcleo de Fundamentação Teórico-Complementar, 6 do Núcleo de Estágio Curricular e 14 créditos do Núcleo de Atividades complementares. Na modalidade licenciatura deve cumprir ainda 22 créditos do Núcleo de Formação Pedagógica e 29 do Núcleo das Práticas Pedagógicas e Estágio Curricular

UNIVERSIDADE FEDERAL DO PIAUI

FUNDAÇÃO: 1968

SITE: www.ufpi.edu.br

FOR MORE INFORMATION CONTACT: Luiz de Sousa Santos Júnior, Reitor, Campus Universitário Ministro Petrônio Portella - Bairro Ininga - Teresina - PI CEP: 64049-550, Telefone: (86)3215-5525, Fax: (86)3215-5526, comunicação@ufpi.edu.br

ESTRUTURA E ORGANIZAÇÃO: A UFPI é uma instituição de educação superior, mantida pela Fundação Universidade Federal do Piauí – FUFPI (criada pela Lei nº 5.528, de 12.11.68), que goza de autonomia didático-científica, administrativa e de gestão financeira e patrimonial, sediada em Teresina, Estado do Piauí, e que mantém outras Unidades Acadêmicas no interior do Estado. Seus objetivos são: cultivar o saber em todos os campos do conhecimento puro e aplicado, de forma a: a) estimular a criação cultural e o desenvolvimento do espírito científico e do pensamento reflexivo; b) formar diplomados nas diferentes áreas do conhecimento, aptos para inserção em setores profissionais e para a participação no desenvolvimento da sociedade brasileira, e colaborar na sua formação contínua; c) incentivar o trabalho de pesquisa e investigação científica, visando o desenvolvimento da ciência e da tecnologia e da criação e difusão da cultura, e, desse modo, desenvolver o entendimento e do meio em que vive; d) promover a divulgação de conhecimentos culturais, científicos e técnicos que constituem patrimônio da humanidade e comunicar o saber através do ensino, de publicação ou de outras formas de comunicação; e) suscitar o desejo permanente de aperfeiçoamento cultural e profissional e possibilitar a correspondente concretização, integrando os conhecimentos que vão sendo adquiridos numa estrutura intelectual sistematizadora do conhecimento de cada geração; f) estimular o conhecimento dos problemas do mundo presente, em particular os nacionais e regionais, prestar serviços especializados à comunidade e estabelecer com esta uma relação de reciprocidade; g) promover extensão, aberta à participação da população, visando à difusão das conquistas e benefícios resultantes da criação cultural e da pesquisa científica e tecnológica geradas na instituição. A administração da UFPI é realizada nos planos de deliberação e execução, em nível superior e em nível setorial. A deliberação é realizada pelos Conselhos Superiores, que são: 1) Conselho de Administração (CAD), 2) Conselho de Ensino, Pesquisa e Extensão (CEPEX); e, 3) Conselho Universitário (CONSUN).

PROPOSITO DE ORGANIZAÇÃO: Estabelecimento de políticas de ensino, pesquisa e extensão que assegurem níveis crescentes solidez e legitimidade; Defesa de um sistema de educação superior sólido, diversificado, com padrões crescentes de qualidade, atendidos os requisitos de infra-estrutura e recursos humanos, para possibilitar a sua permanente afirmação como instituição geradora e promotora do conhecimento; Gratuidade de ensino, entendida como a não cobrança de anuidades, taxas ou mensalidades nos cursos/programas de Graduação, de Mestrado e de Doutorado; Defesa permanente da

autonomia universitária; Interação continuada com a sociedade; Integração e interação com os demais níveis e graus de ensino; Consolidação crescente dos programas voltados para a inserção nacional e internacional; Apoio ao desenvolvimento de políticas públicas voltadas para a busca de sociedades não discriminatórias, mais igualitárias e mais justas; Gestão racional, transparente e democrática do orçamento e do cotidiano da Universidade; Aperfeiçoamento de um modelo de gestão descentralizada, priorizando a estrutura colegiada e em permanente diálogo com todas as instâncias que compõem a comunidade universitária; Respeito à diversidade das forças que constituem a Universidade, fonte de sua maior riqueza, incluindo-se aí todo o seu corpo social (segmento segmentos docente, discente e de funcionários técnicos e administrativos), assegurando-se a pluralidade de idéias no contexto dos diferentes perfis de atuação.

UNIVERSIDADE FEDERAL DO RIO DE JANEIRO

DEPARTAMENTO DE GEOGRAFIA

FUNDADO: 1921

PROGRAMAS: Bacharelado, Mestrado, Doutorado,

Licenciatura

BACHARELADOS OUTORGADO ANUALMENTE: 35

POS GRADUACAO OUTORGADO ANUALMENTE: 20

SITE DA INTERNET: geografia.ufrj.br

CONTATO PARA MAIS INFORMAÇÕES: Manoel Fernandes, Professor – coordenador, Rio de Janeiro, Brasil, Telefone: +55 21 25989534, Fax: +55 21 25901880, manoel.fernandes@ufrj.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Departamento de Geografia é um centro de excelência em ensino e pesquisa geográfica no Rio de Janeiro, bem como no Brasil. O Departamento oferece cursos de licenciatura e bacharelado e o Programa de Pós-graduação, mestrado e doutorado, além de cursos de extensão de curta duração. Possui 16 laboratórios onde seus professores desenvolvem trabalhos juntamente com os alunos, nas seguintes linhas de pesquisa: Cultura, Informação e Cidadania; Ambiente e Território; Espaço e Dinâmicas Urbano-Regionais; Geopolítica e Territorialidade; Dinâmica Hidro-Climática; Geoprocessamento; Interações Geo-Ecológicas e Biodiversidade; Processos Geomorfológicos, Evolução da Paisagem e Ensino de Geografia. Integra o Instituto de Geociências (IGEO), que por sua vez faz parte do Centro de Ciências da Matemática e da Natureza (CCMN).

PROFESSORES:

Ana Luiza Coelho Netto – geomorfologia

Ana Maria de Lima Daou - geografia e história

Ana Maria de Paiva Macedo Brandão – climatologia

Ana Maria de Souza Melo Bicalho - geografia agrária

Andre de Souza Avelar – hidrologia

Antonio José Teixeira Guerra – geomorfologia

Antônio Paulo de Faria – geomorfologia

Bertha Koiffmann Becker - geografia regional

Carla Bernadete Cruz Madureira - sensoriamento remoto

Claudio Antônio Gonçalves Egler - geografia regional

Dieter Carl Ernest Henio Muehe - geomorfologia costeira

Evaristo de Castro Junior – biogeografia

Frederic Jean Marie Monié - geografia da população e geografia da África

Gisela Aquino Pires do Rio - geografia econômica

Iná Elias de Castro - geografia política

Jorge Xavier da Silva – geoprocessamento

Josilda Moura – geomorfologia

Julia Adão Bernanardes - geografia agrária

Leticia Parente Ribeiro - história do pensamento geográfico

Lia Osório Machado - geografia regional

Manoel do Couto Fernandes – cartografia

Marcelo Lopes de Souza - geografia urbana

Maria Célia Nunes Coelho - geografia humana

Maria Naise de Oliveira Peixoto – geomorfologia

Mauricio de Abreu - geografia urbana (faleceu)

Monica dos Santos Marçal - geomorfologia fluvial

Nelson Ferreria Fernandes – pedologia

Olga Maria Schild Becker - geografia da população

Paulo Cesar da Costa Gomes - teoria da geografia

Paulo Marcio Leal Menezes – cartografia

Paulo Pereira de Gusmão - geografia ambiental

Rafael Silva Barros - sensoriamento remoto

Rafael Straforini - educação geográfica

Rafael Winter Ribeiro - geografia da população

Roberto Lobato Corrêa - geografia cultural (aposentado)

Scott William Hoefle - geografia do mundo contemporâneo

Telma Mendes da Silva – geomorfologia

William Ribeiro da Silva - geografia humana

UNIVERSIDADE LUTERANA DO BRASIL

CURSO DE GEOGRAFIA

FUNDADO: 16/08/1972

PROGRAMAS: Licenciatura

URL PROGRAMA ON-LINE: Matriz Curricular

Licenciatura -

[http://www.ulbra.br/geografia/files/matriz-curricular-](http://www.ulbra.br/geografia/files/matriz-curricular-geografia-licenciatura.pdf)

[geografia-licenciatura.pdf](http://www.ulbra.br/geografia/files/matriz-curricular-geografia-licenciatura.pdf) Ementas Licenciatura -

[http://www.ulbra.br/geografia/files/ementa-geografia-](http://www.ulbra.br/geografia/files/ementa-geografia-licenciatura.pdf)

[licenciatura.pdf](http://www.ulbra.br/geografia/files/ementa-geografia-licenciatura.pdf) Pós-Graduação -

http://200.196.73.100/modulos/principal/_curso_site.php?id=95

CONTATO PROGRAMA DE POS GRADUACAO:

Rafael Lacerda Martins, dirgeografia@ulbra.br

POS GRADUACAO OUTORGADO ANUALMENTE: 10

SITE DA INTERNET: <http://www.ulbra.br/geografia/>

CONTATO PARA MAIS INFORMAÇÕES: Dakir Larara Machado da Silva, Coordenado de Atividades, Canoas, Rio Grande do Sul, Brasil, Telefone: +55 51 3477.9101, Fax: +55 51 3477.1313, dirgeografia@ulbra.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O projeto pedagógico do curso consiste em proporcionar uma formação profissional a todos que buscam formas para conquistar os novos desafios sociais. Nesta perspectiva, o curso atua como centro de um estudo que promove atividades de ensino articuladas com pesquisa e extensão, a formação de profissionais voltados ao diálogo entre as culturas e a inserção efetiva em seu espaço. Este projeto está inserido no atual contexto do meio técnico-científico-informacional, caracterizado pela pós-modernidade, pela globalização da economia e da comunicação, pelo pluralismo político e pela emergência do poder local que está ancorado na autonomia pedagógica e na sua singularidade regional/global. Seu planejamento está em contínuo processo de construção, de forma a adequar as diferentes realidades e planos de estudo. O projeto pedagógico tem uma função articuladora, identificadora, retroalimentadora e ética. E, finalmente, uma função política, enquanto coloca o exercício da educação como algo comprometido com a qualidade de vida da sociedade, seja pela prática profissional, seja pelo exercício consciente da cidadania. O curso de Geografia, fundamentado na missão institucional procura

compreender o espaço geográfico de forma dinâmica e totalizante nas suas contradições e desigualdades socioespaciais, visando o conhecimento dialético permanente entre a teoria e a prática. O curso oferece laboratórios que buscam realizar atividades práticas importantes no ensino e aprendizagem, evidenciado por diferentes disciplinas. Nos laboratórios são desenvolvidas atividades de pesquisa, junto aos professores-pesquisadores, contribuindo em metodologias do curso e áreas afins, além de atividades de desenvolvimento teórico-metodológico na área de cartografia e geoprocessamento e de ensino em Geografia. As atividades listadas a seguir dimensionam o trabalho prático e o referencial teórico incorporado no âmbito da estrutura do curso. Pode-se citar como exemplos a elaboração de mapas temáticos com contextos nas áreas ambiental e territorial; elaboração e construção de métodos de representação cartográfica, junto a pesquisadores e alunos do curso de Geografia; auxílio na elaboração de maquetes; preparação de materiais para saída de campo, como cartas imagem e topográficas e empréstimo de aparelhos de GPS; elaboração e edição de pôster (painel) referentes aos diferentes projetos de pesquisa e atividades de disciplinas desenvolvidas no curso de Geografia para divulgação em eventos científicos; procedimentos de elaboração de dados espaciais, como a digitalização de informações cartográficas e edição de informações geográficas para uso na análise, recursos didáticos e no trabalho das disciplinas do curso. Cabe salientar que os laboratórios de informática e geoprocessamento contam com o uso computacional, através de diferentes softwares específicos para a cartografia digital, sendo um excelente meio e uma inovadora ferramenta de trabalho para a representação cartográfica e análise geográfica.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: O curso de licenciatura em Geografia tem a duração mínima de sete semestres, devendo ser integralizado com uma carga horária total de 2.852 horas/aula. A matrícula no curso é efetivada por disciplina, observadas as compatibilidades de horários e limites mínimos e máximos de créditos estabelecidos, conforme calendário escolar dos demais cursos da Universidade. A conclusão do currículo pleno, tal como reconhecido pelo MEC (Ministério da Educação e Cultura), habilita o acadêmico à obtenção do diploma de licenciado em Geografia.

PROFESSORES:

Dakir Larara Machado Da Silva, Bacharel em Geografia pela UFRGS, Doutor em Geografia/UFRGS, Currículo Lattes: <http://lattes.cnpq.br/9920745735869437>
Heloisa Gaudie Ley Lindau, Licenciada e bacharel em Geografia pela UFRGS, Doutora em Geografia/UFRGS, Currículo Lattes: <http://lattes.cnpq.br/5285221106348139>
Jussara Alves Pinheiro Sommer, Licenciada em Geografia pela ULBRA, Mestre em Geografia/UFRGS, Currículo Lattes: <http://lattes.cnpq.br/4342692596958448>
Rafael Lacerda Martins, Bacharel em Geografia pela UFRGS, Mestre em Geografia/UFRGS, Currículo Lattes: <http://lattes.cnpq.br/7154902396000406>
Walter Omar Steyer Geógrafo formado pela USP, Mestre em História pela Unisinos, Currículo Lattes: <http://lattes.cnpq.br/9310592827019046>
Paulo Cesar Pereira das Neves, Possui graduação em Geologia pela Universidade do Vale do Rio dos Sinos (1986), mestrado em Geociências pela Universidade Federal do Rio Grande do Sul (1992), e doutorado em Geociências pela Universidade Federal do Rio Grande do Sul (1998)

UNIVERSIDADE REGIONAL DO CARIRI

DEPARTAMENTO DE GEOCIÊNCIAS

DATA FOUNDED: March 3rd, 1964

DEGREE OFFERED: Licenciatura (geography education, teacher certificate)

GRANTED: average of 50 “licenciados” per semester

STUDENTS IN RESIDENCE: about 600 (80 new students per semester)

CHAIR: Jörn Seemann (Chefe do Departamento)

DEPARTMENT ADMINISTRATIVE ASSISTANT: Tarcisia Pajeu

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Departamento de Geociências, Universidade Regional do Cariri (URCA), Rua Coronel Antonio Luiz 1161, 63105-000 Crato, CE, Brazil. Tel. 0055-88-3102.1212 extension 2786, e-mail: geocrato@yahoo.com.br; university website: <http://www.urca.br>; main publication: Cadernos de Cultura e Ciencia (<http://periodicos.urca.br/ojs/index.php/cadernos/index>).

PROGRAMS AND RESEARCH FACILITIES: The Cariri region is a hotspot for research in popular culture, art and religion and can be considered one of the most important paleontological sites in the world due to the extraordinary quality of the fossils found in the Mesozoic limestone layers. For this reason, the faculty maintains close contacts with neighboring departments such as biology, history and social sciences, and is looking forward to establishing international research projects. Program objectives within the department include (1) the study of erosion processes and soil preservation, (2) regional studies, (3) geographic education. Areas of special strength are a) geomorphology, b) environmental zoning, c) geology, d) hydrology, e) geographic education, f) urban violence g) cartography, h) cultural geography, i) cinema and visual culture, j) human-environment interaction, k) landless movement and agrarian reform.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester system (spring and fall only). Admission Requirements: Secondary School Certificate; written admission exam (vestibular) about general and specific knowledge twice a year.

FACULTY:

Alexsandra de Oliveira Magalhaes, MSc in Geography, Fortaleza (UFC), 2006, Assistant Professor—environmental zoning, geocology, biodynamics
Ana Roberta Duarte Pianco, MSc in Geography, Recife (UFPE), 1998, Assistant Professor—agricultural geography, agrarian reform, landless movement (MST), geography teaching
Antônia Carlos da Silva, MSc in Geography, Fortaleza (UECE), 2000, Assistant Professor—geographic education
Emerson Ribeiro, PhD in Geography, São Paulo (USP), 2014, Assistant Professor—geographic education, creativity in geography
Firmiana Santos Fonseca Siebra, PhD in Geography, Fortaleza (UFC), 2013, Associate Professor—urban geography, regional geography, economic geography
Francisco das Chagas Sousa da Costa, MSc in Geochemistry, Salvador (UFBA), 1999, Associate Professor—geomorphology and environment, ecological zoning
Francisco Marcelo Bezerra de Almeida, Specialist in Geography, Crato (URCA) — Geographic thought, population geography
Glauco Vieira Fernandes, PhD in Geography, Niterói (UFF), 2014, Associate Professor—geography teaching; geography and cinema, visual methods

Ivan da Silva Queiroz, PhD in Urban development, Recife (UFPE), 2013, Associate Professor—urban geography, urban violence

João Cesar Abreu de Oliveira, PhD in Education, Fortaleza (UFC), 2008, Associate Professor—agricultural geography, social movements, urban environments

João Ludgero Sobreira Neto, Specialist in geopolitics and environmental law; Assistant Professor—agricultural geography, population geography, environmental geography

Jörn Seemann, PhD in Geography, Louisiana State University, 2010, Associate Professor—cultural geography, maps and society, culture history, history of cartographic and geographic thought, cartographic education

Josier Ferreira da Silva, PhD in Brazilian Education, Fortaleza (UFC), 2009, Associate Professor—territorial formation, geographical and historical processes, history of education, human-environment interaction

Juliana Maria Oliveira Silva, PhD in Geography, Fortaleza (UFC), 2012, Assistant Professor—watershed management, hydro-climatic analysis

Lireida Maria Albuquerque Bezerra, MSc in Geography, Fortaleza (UFC), 2013, Assistant Professor—urban geography, environmental geography

Maria de Lourdes Carvalho Neto, Msc in Geography, Fortaleza (UFC), 2007, Assistant Professor—environmental geography, geomorphology, GIS

Maria do Socorro Teles, MSc in Geology, Salvador (UFBA), Assistant Professor—hydrology, geology

Maria Soares da Cunha, PhD in Geography, Fortaleza (UFC), 2013, Associate Professor—agricultural geography, geography teaching, regional geography

Ricardo Mota Bacurau, Specialist, Fortaleza (UFC), Associate Professor—industrial geography, regional development

Rogério Wayne Noronha, Specialist, Fortaleza (UFC), Associate Professor—climatology

Simone Cardoso Ribeiro, PhD in Geography, Rio de Janeiro (UFRJ), 2012, Associate Professor—environmental analysis, erosion processes and conservation, ethno-geomorphology and soil science

EMERITUS FACULTY:

Alvimir Alves de Oliveira, PhD in Geology, Recife (UFPE), 2006, Associate Professor—geology

Edith Oliveira de Menezes, MSc in Geography, São Paulo (USP), 1998—urban geography

CHILE

PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE

INSTITUTO DE GEOGRAFÍA

FUNDADO: 1970

DEGREES OFFERED: Licenciatura en Geografía, Magíster en Geografía y Geomática, Doctorado en Geografía, Diplomado en Geomática, Diplomado en Sistemas de Información Geográfica

DEGREES GRANTED IN PREVIOUS YEAR:

Licenciaturas: 47 Magíster: 7 Doctorado: 0
Diplomados: 23

NUMBER OF STUDENTS IN THE DEPARTMENT:

Licenciatura: 310 Magister: 18 Doctorado: 5
Diplomados: 37

POINT OF CONTACT: Dr. Federico Arenas Vásquez, Profesor – Director, (56) 2-6864716 WEB SITE: <http://www.geo.puc.cl/>

FOR CATALOG AND FURTHER INFORMATION WRITE TO / DIRECCION INSTITUTO DE GEOGRAFIA: Marcela Sánchez (subdirectora) o Margot Aliste, Av. Vicuña Mackenna 4860, Macul, Santiago, Chile. Teléfono: (56-2) 23544716, maaliste@uc.cl

PROGRAMS AND RESEARCH FACILITIES: El Instituto dispone de dos salas de computación equipadas con los software utilizados en la disciplina, un laboratorio de análisis de suelos y una cartoteca, además de sala para estudiantes de postgrado, 2 salas de seminarios. Además los estudiantes tienen acceso al sistema de biblioteca de la Universidad, que reúne publicaciones en formato físico y colección electrónica con acceso a importantes Journals internacionales. Contamos con dos estaciones de investigación: la primera en Alto Patache (Desierto de Atacama) y la segunda en Bahía Exploradores (Patagonia Chilena)

ACADEMIC PROGRAMS, ADMISSION REQUIREMENTS AND FINANCIAL AID:

Licenciatura en Geografía y Título Profesional de Geógrafo, duración 5 años, admisión vía PSU Prueba de Selección Universitaria en Chile y admisión especial para estudiantes extranjeros. Becas estatales y de la Universidad previa postulación del estudiante.

Magíster en Geografía y Geomática: duración 2 años, admisión para estudiantes nacionales y extranjeros, que posean grado de Licenciatura o BA en la disciplina o afines. Becas Universidad, Conicyt y fuentes internacionales.

Doctorado en Geografía: duración 4 años, requisitos de ingreso: Certificado de grado académico de Licenciado en Geografía, o en otras áreas que sean homologables a los requerimientos de la disciplina (en el área de las Ciencias de la Tierra o Ciencias Sociales), otorgado por una universidad nacional o extranjera; Documento donde se explicita las áreas de interés de investigación en relación al Programa de Doctorado, posibles líneas de trabajo de tesis y experiencia previa. Este texto debe estar dirigido a la Comité Académico del Programa, Certificado de cumplimiento de requisitos mínimos de dominio del idioma inglés, Tres cartas de recomendación de académicos con el Grado de Doctor, Presentación de un trabajo escrito y previamente calificado durante sus estudios anteriores, que a su juicio sea el mejor exponente de sus

habilidades como investigador, Entrevista con la Comisión de Ingreso al Programa de Doctorado, con el fin de determinar las motivaciones y el dominio verbal de algunas categorías disciplinarias. El Doctorado es un programa de dedicación exclusiva a tiempo completo. Becas Conicyt, UC, Instituciones externas.

FACULTY:

Andrade Johnson, Belisario, Doctor en Geografía del Mar y de las Costas, Universidad de Bretaña Occidental, Francia. Área de investigación: Geografía física, geomorfología y ordenamiento territorial de la zona costera. Profesor Titular.

Arenas Vásquez, Federico, Doctor en Ciencias Económicas y Sociales, de la Universidad de Ginebra y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Planificación urbana y regional y Ordenamiento territorial. Profesor Titular

Carvacho Bart, Luis, Doctor Universidad de Alcalá de Henares, España. Geógrafo, Licenciado en Geografía, P.U.C.Ch. Área de investigación: SIG, Geomática. Profesor Asociado.

Castro Avaria, Consuelo, Doctor, Universidad de Bretaña Occidental, Francia. Geógrafo, Licenciado en Geografía Universidad de Chile. Área de investigación: Geografía física, geomorfología y medio ambiente costero. Profesora Titular.

Del Río López, Camilo, Magíster en Geografía y Geomática y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Percepción Remota, Geomática. Profesor Asistente Adjunto

García, Juan Luis, Doctor en Ciencias de la Tierra, University of Maine, Estados Unidos, y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Cambios climáticos del Cuaternario, geomorfología y geología glacial. Profesor Asistente.

González Leiva, José Ignacio, Doctor en Geografía de la Universidad de Barcelona, España. Área de investigación: Cartografía, Geografía matemática y Geografía electoral. Profesor Titular.

Henríquez Ruíz, Cristián, Doctor en Ciencias Ambientales (EULA) y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Impacto ambiental, planificación territorial, geomática y ecología urbana. Profesor Asociado.

Hidalgo Dattwyler, Rodrigo, Doctor en Geografía humana con mención en Pensamiento Geográfico y Organización del Territorio de la Universidad de Barcelona, España. Área de investigación: Geografía humana, estudios sociales, urbanos y planificación territorial. Profesor Titular.

Lagos López, Marcelo, Doctor en Ciencias Ambientales de la Universidad de Concepción y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Geografía física, medio ambiente, riesgos naturales y geomática. Profesor Asociado

Moreira Muñoz, Andrés, Doctor en Ciencias Naturales (Dr. rer. nat.), Universidad de Erlangen-Nürnberg, Alemania. Áreas de investigación: Biogeografía, Geografía botánica, Geografía de la Vegetación. Profesor Asistente.

Naranjo Ramírez, Gloria, Magister en Asentamientos Humanos y Medio Ambiente y Geógrafo de la Pontificia Universidad Católica de Chile. Alumna del Programa de Doctorado en Arquitectura y Estudios Urbanos de la Facultad de Arquitectura, Diseño y Estudios Urbanos de la Pontificia Universidad Católica de Chile. Área de investigación: Geografía humana, rural, agraria, medio ambiente y ordenamiento territorial. Profesora Asistente.

Núñez, Andres, Doctor en Historia de la Pontificia Universidad Católica de Chile y posdoctorado en Geografía en la misma casa de estudios. Área de investigación: Geografía Social, Geografía Cultural y Geografía Histórica. Profesor Asistente.

Osses McIntyre, Pablo, Magíster en Economía Agraria y Geógrafo de la Pontificia Universidad Católica de Chile. Áreas de investigación: Geografía Física, Medio Ambiente, Economía y Territorio. Profesor Asociado.

Paulsen Bilbao, Abraham, Geógrafo, Pontificia Universidad Católica de Chile. Candidato a Doctor en Territorio, Sociedad y Medioambiente de la Universidad Autónoma de Madrid (UAM). Suficiencia investigativa en Psicología Educacional de la Universidad Autónoma de Madrid (UAM). Profesor Asistente Adjunto.

Quiñe Abarzua, Jorge, Geógrafo de la Pontificia Universidad Católica de Chile. Doctor en Medioambiente de la Universidad Joseph Fourier de Grenoble, Francia. Área de investigación: geomática, ordenamiento territorial, Geografía de la montaña. Profesor Asistente.

Rehner, Johannes, Geógrafo, doctorado (Dr. oec. publ.) de la Ludwig-Maximilians-Universität München (LMU), Alemania. Áreas de investigación: geografía económica y urbana, estudios asiáticos y geografía cultural. Profesor Asociado.

Salazar Burrows, Alejandro, Doctor en Ciencias Sociales del Institut National Agronomique Paris-Grignon (INA P-G), Francia y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Geografía humana, rural, espacios periurbanos y ordenamiento territorial. Profesor Asociado.

Sagredo, Esteban, Doctor en Geología, University of Cincinnati, Estados Unidos. Magíster en Ciencias (Ecología y Biología Evolutiva), Universidad de Chile. Geógrafo, Pontificia Universidad Católica de Chile. Área de Investigación: (1) Fluctuaciones glaciales en Sudamérica desde el Último Máximo Glacial; (2) Sensibilidad glacial a cambios climáticos; (3) Paleoclimatología. Profesor Asistente.

Sánchez Martínez, Marcela, Doctora en Filosofía y Letras, sección Geografía, Programa de Cartografía, Sistemas de Información Geográfica y Teledetección, Universidad de Alcalá de Henares, España. Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Geografía física y geomática. Profesor Asociado.

Tesser Obregón, Claudio, Doctor en Geografía y Ordenamiento Territorial (Universidad de Toulouse Le Mirail, Francia) y Geógrafo de la Pontificia Universidad Católica de Chile. Áreas de investigación: Paisaje, Gestión de los recursos hídricos, Fotointerpretación y Análisis de Vector de Cambio de imágenes digitales y analógicas. Profesor Asistente.

UNIVERSIDAD ACADEMIA DE HUMANISMO CRISTIANO

DEPARTAMENTO DE GEOGRAFÍA

FECHA DE FUNDACION: 1975

PROGRAMAS DE ESTUDIO: Grado asociado/técnico, Licenciatura, Maestría

CONTACTO PARA PROGRAMA DE PREGRADO: Dr. Marcelo Garrido Pereira, mgarrido@academia.cl

LICENCIATURAS OTORGADAS ANUALMENTE: 10 CENTROS DE INVESTIGACION: Programa de Investigaciones e Intervenciones Territoriales (PIIT) SITIO WEB: www.geoacademia.cl

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Marcelo Garrido Pereira, Jefe del Departamento de Geografía, Santiago, Chile, Teléfono: 56-2-7878238, Fax: 56-2-7878213, mgarrido@academia.cl

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: Geografía al servicio de la Transformación Social. Este proyecto aporta a la sociedad con especialistas en la comprensión e interpretación de los fenómenos espaciales, cuyo sello es el compromiso con la resolución de problemáticas sociales. Responde así, al vertiginoso desarrollo de la disciplina geográfica en distintos

lugares del mundo, al ascenso del discurso espacial como una dimensión estructurante de los procesos sociales, al desarrollo desigual del territorio que ha generado el capitalismo y al estancamiento teórico-metodológico del quehacer geográfico chileno. La carrera de Geografía se estructura sobre principios humanistas y se orienta tanto al desarrollo de profesionales de alto nivel, investigadores e interventores de los procesos de producción de espacio geográfico, como a especialistas en la reconstitución de las relaciones ser humano-medio y/o sociedad-naturaleza. Se propone un itinerario formativo que permite la rearticulación y recomposición del mundo de la vida, desde la comprensión profunda de los procesos físico-naturales y humano-sociales, con énfasis en procedimientos de investigación e intervención social. El currículum formativo dialoga con las miradas clásicas y se abre a nuevas apuestas teóricas como las críticas, postcríticas, deconstruccionistas, humanísticas, de estudios subalternos y de estudios postcoloniales, casi ausentes en la formación de geógrafos en Chile. Al mismo tiempo, la apuesta formativa se estructura sobre la base de un ingreso progresivo de nuestros estudiantes a los centros de prácticas desde el primer año, teniendo como modelo, la inclusión profesional temprana, potenciando la reflexión crítica en acción y la posibilidad de tensionar el desarrollo del conocimiento profesional del Geógrafo. En este contexto se han desarrollado tres líneas de investigación que responden a tres campos problemáticos del espacio que se intenta estudiar, comprender y transformar: 1-Existe una necesidad creciente de profundizar en los procesos físico-naturales que estructuran y dinamizan los espacios geográficos. Estos procesos van configurando y en cierta medida, moldeando las formas de organización social y cultural que los grupos humanos tienen. En este sentido, los ambientes que pueden ser considerados como “de primera naturaleza” han sido sometidos a fuertes e incesantes acciones antrópicas poniendo en jaque los precarios equilibrios físicos, químicos y biológicos y conformando situaciones de extrema fragilidad, vulnerabilidad y peligrosidad. La re-constitución de los sitios de riesgo, que deviene de un uso “poco adecuado” del territorio por parte de los grupos humanos, requiere del estudio acabado de los sistemas morfológicos, hidrográficos, biogeográficos, oceanográficos, pedológicos y climatológicos. Con ello, se ha considerado prioritario el establecimiento de una línea de investigación que pueda aglutinar los esfuerzos de académicos que intentan por variadas vías metodológicas, estudiar los distintos ambientes físicos de nuestro país y su relación con la conformación de situaciones de riesgo. En esta línea actualmente se desarrollan proyectos de investigación regulares de financiamiento interno NTI y con colaboración de equipos nacionales e internacionales. 2-El ascenso de la diferencia, la rotura del pensamiento parametral y la incorporación de la subalternidad en los estudios sobre la ciudad y sobre el campo, han permitido dotar a la Geografía, de nuevas perspectivas de análisis en el estudio de los circuitos de vida urbano-rural. En este sentido el papel del sujeto que se proyecta en el espacio y que corporiza los procesos de acumulación y movilidad de capital, es trascendental para comprender las problemáticas sociales y las tensiones propias de la alta modernidad. En este escenario surge la posibilidad de instalar una plataforma investigacional que se ha centrado en los conflictos urbanos y rurales propios del encuentro multicultural en contexto de capitalismo tardío. En esta línea actualmente se desarrollan proyectos de investigación regulares de financiamiento interno NTI, como de financiamiento nacional FONDECYT, con colaboración de equipos nacionales e internacionales. 3-Esta línea condensa el trabajo realizado en temáticas relacionadas con la enseñanza y el aprendizaje de la Geografía en contextos educativos diferenciados. Pone énfasis en la necesidad de indagación de los espacios educativos sobre los cuales se ejecuta la acción pedagógica y valoriza de modo especial la forma en la que el contenido espacial contribuye al encuentro de actores educativos. En este sentido, se trabaja con perspectivas teóricas que permiten, tanto densificar el debate sobre la educación geográfica, como colocar al centro la idea de una enseñanza que transforma las condiciones materiales de existencia de los sujetos que participan del acto educativo. Se intenta develar estructuras de dominación, exclusión y subordinación, y se explora en los mecanismos de cambio

e innovación que son posibles de ser pensados-y concretados, en el mundo escolar. En esta línea actualmente se desarrollan proyectos de investigación regulares de financiamiento interno NTI, como de financiamiento nacional FONDECYT, con colaboración de equipos nacionales e internacionales. Todas estas producciones se colocan al servicio de las actividades académicas regulares que tienen impacto en la vinculación de la unidad académica con el medio. Especial importancia tiene: el Seminario de Resistencias Territoriales (con siete versiones al año 2011), el Ciclo sobre Geografía y Debate Teórico Contemporáneo (cinco versiones al año 2011) y el Ciclo de Conferencias sobre la Naturaleza del Espacio (seis versiones al año 2011). Del mismo modo el proyecto IPES (Intervención+Posibilidad+Espacio) fortalece el vínculo específico con las instituciones que participan del ingreso temprano al campo profesional de nuestros estudiantes (ONG's, Consultoras, Departamentos Ministeriales, Departamentos Municipales, Fundaciones, etc.)

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA:

El Plan Formativo está compuesto de tres subcomponentes curriculares: Plan General Universitario (orientado al desarrollo de desempeños en la "actuación profesional CRÍTICA"), Plan Común de Área (orientado al desarrollo de desempeños comunes al campo de las ciencias sociales) y Plan de Especialidad (orientado al desarrollo de desempeños en las líneas de formación disciplinar: eje humano-social; eje físico-natural, eje de integración teórico-práctica). La duración del plan es de 5 años. Al cuarto año y luego de haber completado tanto la totalidad de los créditos como la defensa del Seminario de Grado, el estudiante recibe el grado de Licenciado en Geografía. Al quinto año, si completa los créditos complementarios de cursos profesionalizantes y aprueba la defensa de los resultados de su práctica, el estudiante recibe el título profesional de Geógrafo. En detalle, el perfil de egreso se estructura en torno a desempeños que se detallan a continuación: Desempeños de orden actitudinal esperados al final del proceso formativo * Propiciar la explicitación de la subjetividad espacial como mecanismo de entrada a la comprensión de los fenómenos territoriales, paisajísticos, geosistémicos, ambientales, regionales y lugarizados. * Promover la educación geográfica como pilar fundamental de la conciencia espacial de los sujetos a través de estrategias formales de enseñanza que promuevan aprendizajes situados y contextualizados de los contenidos curriculares. * Asignar relevancia a las instancias de encuentro pluridisciplinar como mecanismo de acción colectiva sobre los espacios. Desempeños de orden conceptual esperados al final del proceso formativo * Manejar contenidos conceptuales referidos al campo de la estructuración física y humana del espacio geográfico con la finalidad de ponerlos al servicio de las investigaciones e intervenciones sobre lo social. * Reflexionar sobre la producción de discurso geográfico como primera fuente de acción espacial, movilizandore creencias epistemológicas que permitan la comprensión y /o explicación diagnóstica de los espacios geográficos (en sus dimensiones territoriales, paisajísticas, geosistémicas, ambientales, regionales y lugarizadas). * Construir un espacio interrelacional entre los procesos de estructuración física y los procesos de estructuración humana en perspectivas multiescalares y con la finalidad de resolver tensiones entre el mundo objetivo y el subjetivo. * Comprender cómo los procesos de integración, polarización y diferenciación de las relaciones ser humano-medio actúan como dispositivos para dotar a los espacios de una cierta localización y distribución. Desempeño de orden procedimental esperados al final del proceso formativo. * Diseñar e implementar acciones de intervención e investigación espacial que permitan movilizar contenidos, teorías y metodologías tanto del campo de las Ciencias Sociales como aquellas propiamente geográficas en situaciones de problemáticas y tensiones socio-espaciales. * Diseñar e implementar acciones tendientes a la innovación de los campos de intervención e investigación, estableciendo sinergias entre diagnósticos y estrategias ya instaladas en torno a problemáticas y tensiones socio-espaciales. * Promover la instalación del trabajo de campo como instancia de sinergia entre técnicas al servicio de la investigación y la intervención espacial.

PROFESORADO:

Ximena Valdés. Geógrafa y Licenciada en Geografía, Universidad Chile. Magíster en Letras-Geografía, Universidad de París 7, Francia. Doctora en Estudios Americanos, m/Historia Económica y Social, Universidad de Santiago. Ruralismo-Género-regímenes laborales-precarización y territorio.

Gabriela Raposo. Geógrafa y Licenciada en Geografía, Pontificia Universidad Católica de Chile. Magíster en Sociedad, Ciencias y Tecnología, l'Ecole Polytechnique Fédérale de Lausanne, Suiza. Doctora en Arquitectura y en Estudios Urbanos, Pontificia Universidad Católica de Chile. Cultura visual y territorio-estética y política en la ciudad- paisaje cultural.

Raúl González. Economista, Universidad de Chile. Magíster en Desarrollo Económico, Universidad Católica de Lovaina, Bélgica. Doctor en Desarrollo Económico, Universidad Católica de Lovaina, Bélgica. Desarrollo endógeno-actores locales-territorios subnacionales.

Marcelo Garrido. Geógrafo y Licenciado en Geografía, Pontificia Universidad Católica de Chile. Profesor de Geografía y Licenciado en Educación, Pontificia Universidad Católica de Chile. Doctor en Ciencias de la Educación, Pontificia Universidad Católica de Chile. Espacio escolar-prácticas espaciales-justicia social y socio-espacial.

Antonio Rivera. Licenciado en Ciencias m/Biología, Universidad de Chile. Doctor en Ciencias Biológicas m/Ecología, Pontificia Universidad Católica de Chile. Ecosistemas-Cambio Climático-Entomología Espacial

Jerónimo Montero, Licenciado en Geografía, Universidad Nacional de Mar del Plata. Doctor en Geografía Humana, Universidad de Durham, Reino Unido. Economía política mundial- estructuras productivas- regímenes laborales.

José Piga. Arquitecto, Pontificia Universidad Católica de Valparaíso. Magíster en Desarrollo Urbano, Pontificia Universidad Católica de Chile. Doctor en Arquitectura y en Estudios Urbanos, Pontificia Universidad Católica de Chile. Desarrollo regional-infraestructura y conectividad-arquitectura y flujo.

Miguel Villa. Profesor de Estado en Historia y Geografía, Universidad de Chile. Diplomado en Planificación Urbana y Regional, Universidad de Erasmus, Holanda. Magíster en Geografía, Universidad de Minnesota, Estados Unidos. Ph. D. (c) en Geografía, Universidad de Minnesota, Estados Unidos. Población y desarrollo-migraciones-envejecimiento.

Macarena Barahona. Geógrafa y Licenciada en Geografía, Pontificia Universidad Católica de Chile. Doctora (c) en Arquitectura y Estudios Urbanos, Pontificia Universidad Católica de Chile. Ciudad fragmentada-control político de los espacios-producción de escala urbana.

Rocío Gallegos. Geógrafa y Licenciada en Geografía, Pontificia Universidad Católica de Chile. Doctora (c) en Arquitectura y Estudios Urbanos, Pontificia Universidad Católica de Chile. Barrios-filiación espacial y lugarización -desarrollo comunitario-espacial.

Pilar González. Geógrafa y Licenciada en Geografía, Pontificia Universidad Católica de Chile. Doctora (c) en Arquitectura y Estudios Urbanos, Pontificia Universidad Católica de Chile. Turismo-valor y producción de ocio-imaginarios y economía terciarias.

Ulises Sepúlveda. Geógrafo y Licenciado en Geografía, Pontificia Universidad Católica de Chile. Profesor de Geografía, Licenciado en Educación, Pontificia Universidad Católica de Chile. Diplomado en Didáctica de las Ciencias Sociales, Universidad.

Alberto Hurtado. Doctor (c) en Ciencias de la Educación, Pontificia Universidad Católica de Chile. Cuerpo y espacio- producción de espacio escolar-aprendizaje del espacio.

Gerardo Saffer. Profesor de Física y Matemáticas y Licenciado en Educación, Pontificia Universidad Católica de Chile. Diplomado en Estudios Ambientales, Pontificia Universidad Católica de Chile. Doctor (c) en Educación Ambiental, Universidad Autónoma de Barcelona, España. Educación ambiental- patrimonio en ambientes de montaña- áreas protegidas.

Reinaldo Börgel. Profesor de Estado en Historia y Geografía, Educación Cívica y Economía Política, Universidad de Chile. Estudios Superiores en Geografía Física Aplicada, Universidad de Estrasburgo, Francia. Morfogénesis de ambientes montañosos-estructura y morfologías superficiales-riesgos.

Jorge Joo. Geógrafo y Licenciado en Geografía, Pontificia Universidad Católica de Chile. Magíster en Desarrollo Humano, Local y Regional, Universidad de la Frontera. SIG-geomática y aplicaciones sociales-riesgos.

Rosa Zamora. Meteoróloga y Licenciada en Meteorología, Universidad de Valparaíso. Magíster en Meteorología y Climatología, Universidad de Chile. Modalamiento atmosférico-cambio climático-energías renovables.

Carlos Quintana. Ingeniero Civil Agrícola y Licenciado en Ciencias de la Ingeniería, Universidad de Concepción. Magíster en Ingeniería Agrícola, Mención Recursos Hídricos, Universidad de Concepción. SIG- manejo de cuencas-gestión de recursos hídricos.

UNIVERSIDAD DE CHILE

FACULTAD DE ARQUITECTURA Y URBANISMO ESCUELA DE GEOGRAFÍA SANTIAGO DE CHILE

DATE MASTER'S DEGREE CREATED: 1984
DEGREES OFFERED: Licenciatura en Geografía.

Geógrafo, Profesional

HEAD: Elías López Otero, M Sc. 2003–2006

PROGRAMS AND RESEARCH FACILITIES: Entre 1889 y 1890, el geógrafo alemán Hans Steffen organizó la enseñanza de la Geografía en la Universidad de Chile, formando las primeras generaciones de profesores y realizando las primeras investigaciones. En esta etapa inicial, la escuela de Steffen, formado bajo la guía del Dr. Ferdinand von Richthofen de la Universidad de Berlín, marcó el sello de la tradición alemana y de la geografía científica en Chile. Con centro en el Instituto de Geografía y en el Departamento de Geografía del Instituto Pedagógico de la Universidad de Chile, se desarrolló un vigoroso movimiento de formación, investigación y difusión geográfica que condujo a la creación de centros de docencia e investigación en provincias, a la presencia renovadora del enfoque geográfico en los organismos públicos y de organización territorial, y a la renovación de los contenidos geográficos en la enseñanza básica y media. Desde inicios de los 80's, la enseñanza e investigación son armonizados con modernos métodos, incorporándose laboratorios, técnicas de teledetección y sistemas computacionales en forma progresiva.

La carrera de Geografía se consolida como tal a mediados de la década de 1960, continuando en forma ininterrumpida hasta la fecha.

Grado Académico ofrecido: Licenciatura en Geografía; **Título Profesional ofrecido:** Geógrafo.

El programa de Magíster en Geografía, fue creado en 1984, y acreditado en 2004. La docencia de postgrado se fundamenta ineludiblemente en la investigación científica y esta última es una actividad dinámica que se complica y enriquece permanentemente con el acceso al conocimiento universal, al ejercicio interdisciplinario y al diseño de nuevos sistemas de generación y análisis de datos e

informaciones. Pocas áreas han experimentado una ampliación tan grande como el conocimiento geográfico durante las últimas décadas, debido en especial al vertiginoso desarrollo de los sistemas de observación remota del comportamiento de la Tierra, así como a la disponibilidad de cada vez más sofisticados instrumentos para el modelamiento y predicción de escenarios futuros.

Grado Académico ofrecido: Magíster en Geografía; mención Recursos Territoriales; mención Organización Urbano Regional

UNIVERSIDAD DE LA SERENA

AREA DE CIENCIAS GEOGRAFICAS

DATE FOUNDED: 1980

GRADUATE PROGRAM FOUNDED: 1995 (Master)

DEGREES OFFERED: Pedagogy in Geography, Master in Geography

GRANTED: Bachelor: 260; Master: 2; (2 expected in 2007)

STUDENTS: Master: 12

CHAIR: Dr. Fabián Araya Palacios

MASTER ACADEMIC PROGRAM COORDINATOR: Dr. Guido Veliz

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Guido Veliz (Graduate Program Coordinator), Area de Ciencias Geográficas, Departamento de Ciencias Sociales, Campus Andres Bello, Colina El Pino s/n. Universidad de La Serena, La Serena, Chile. Phone Number: 56-55-204337, Fax Number: 56-55-204314; e-mail address: gveliz@userena.cl.

PROGRAMS AND RESEARCH FACILITIES: The Area of Geographical Sciences (AGS) offers Geography Programs at Undergraduate (Pedagogy) and Graduate (Master) levels and these Programs provide training in Regional and Systematic Studies. In addition, since Geography shares almost half of its coursework with History students, interdisciplinary work is practiced with field work, adding other social sciences as well. The Department of Social Sciences, where the AGS is housed, aims to strengthening a comprehensive view of Geography, since this discipline has a strong development in regional studies, geographic information systems, environmental and territorial management, sustainable development and geography education. The AGS offers access to a computer laboratory for undergraduate students and a geographical analysis laboratory for graduate students.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The AGS receives international students who take courses on a semester basis. Undergraduate students from all over Europe, Asia, Canada and the United States come to the University of La Serena and take courses such as Geography of Latin America and Globalization and World Economics. Also, graduate students visit the AGS and take independent studies and field work for their thesis in the region. Normally, both undergraduate and graduate students attend academic activities in the AGS at ULS as part of their programs in their native universities. For this purpose, any foreign student or group of students and instructors could visit and arrange a special program in the AGS, once they have contacted the International Office at ULS. Admission requirements are based on regular programs conducted in their native countries. Financial assistance is offered to reduce cost of housing and meals.

FACULTY:

Fabian Araya, Doctoral Degree, Universidad de Cuyo, Mendoza, Argentina, 2006, Associate Professor—Geography Education, Curriculum and Assessment, Theory and Method in Geography, Pedagogy and K-12 development

Enrique Novoa, Mg. Universidad de Santiago, Chile, 1996, Associate Professor—Physical Geography, Geomorphology and Hydrology, Land Development, Environmental and Hazards, Geographic Information System

Carmen Varela, Mg. Universidad de Santiago, Chile, 1986, Lecturer—Urban Geography, Territorial Planning, Rural Development.

Guido Veliz, Ph.D. Laval University, Montreal, Canada, 1994, Professor—Urban Geography, History and Philosophy of Geography, Regional Geography and Land Use. Geography of Chile

COLOMBIA

ASOCIACIÓN COLOMBIANA DE GEÓGRAFOS

TIPO DE INSTITUCION: Sociedad profesional/asociación científica

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:

Promoción profesional de la geografía

FECHA DE FUNDACION: 21 de junio de 1967

REVISTA: e-Boletín Acoge

SITIO WEB: <http://www.acoge.org>

PARA MAS INFORMACION CONTACTAR: MIGUEL ANTONIO ESPINOSA RICO, PRESIDENTE DEL CONSEJO DIRECTIVO, Carrera 57-B Bis 128-60, Bogotá, Colombia, Teléfono: 57-1-6243153, acoge40@gmail.com

MISION DE LA ASOCIACION: ACOGE propende por el desarrollo de la geografía como una disciplina científica y como profesión de origen universitario, en general, y en particular por el avance académico de sus afiliados en Colombia.

ESTRUCTURA Y ORGANIZACIÓN: De acuerdo con sus Estatutos, ACOGE es una entidad de derecho público privado de Colombia, sin ánimo de lucro, regida por la Asamblea General de afiliados activos, el Consejo Directivo y la Dirección Ejecutiva. Administrativamente, el manejo de la organización corresponde al Director Ejecutivo, quien es elegido por la Asamblea General para ejercicios de tres (3) años. Tanto la Dirección Ejecutiva, como el Consejo Directivo, son apoyados por comités especializados en diversas gestiones.

FINES: FINES: (1) Propender por el desarrollo académico, científico y profesional de la disciplina geográfica; (2) Contribuir a la difusión y discusión de los problemas de los que se ocupa la comunidad geográfica global; (3) Procurar el desarrollo y progreso profesional y científico de sus afiliados; (4) Apoyar las instituciones colombianas en las que se enseña la geografía como carrera profesional en los niveles superior y posgraduado; y, en fin (5) Procurar que la geografía como carrera profesional y como comunidad científica contribuya al desarrollo general de Colombia.

PROGRAMA CIENTÍFICO-TÉCNICO Se desarrolla en cooperación con las universidades que tienen Facultades o Departamentos de Geografía por medio de Grupos de Investigación especializados. **PROGRAMA DE DESARROLLO INSTITUCIONAL** Busca encauzar las actividades de la Asociación hacia la creación de la "Casa del Geógrafo", como sede física que albergue actividades de carácter social, profesional y académico en la ciudad de Bogotá. Este programa está orientándose por medio de un plan quinquenal que busca la

adquisición y dotación de un inmueble que se inaugurará en el 2017, con motivo del semi-centenario de la Asociación. PROGRAMA DE FOMENTO DE LA GEOGRAFÍA Se cumple por medio del patrocinio cada dos años del Congreso Colombiano de Geografía, que se ha reunido ya durante 19 ocasiones.

MEMBRECIA: MEMBRECÍA Pueden ingresar como afiliados los profesionales residentes en Colombia interesados en los fines para los cuales fue creada la Asociación. Hay cuatro tipos de miembros: (1) Regulares; (2) Asociados; (3) Estudiantes de geografía; (4) Institucionales. La categoría de miembros regulares está reservada a geógrafos profesionales, ingenieros geógrafos y licenciados en ciencias sociales.

EVENTOS ANUALES: El Congreso Colombiano de Geografía se realiza cada dos años; alternamente, se reúne la Convención Colombiana de Pedagogía Geográfica, cada dos años (aproximadamente 250 asistentes al evento)

GRUPO DE INVESTIGACIÓN INTERINSTITUCIONAL GEOPAIDEIA

TIPO DE INSTITUCION: Sociedad profesional /
asociación científica

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:
Educación

FECHA DE FUNDACION: 1995

SITIO WEB: www.geopaideia.com

PARA MAS INFORMACION CONTACTAR: Alexander Cely Rodríguez, Representante legal de la asociación, Calle 61 No. 5 - 61 Apt 401 Bogotá – Colombia, Teléfono: 2 480648, Fax: 2 841981, alexcel@gmail.com, numola1969@hotmail.com

MISSION DEL GRUPO: GEOPAIDEIA nace como un grupo de investigación integrado por profesores y egresados de la Maestría en Educación con énfasis en Docencia de la Geografía de la Universidad Pedagógica Nacional (UPN). En la actualidad es un grupo de carácter interinstitucional entre la UPN y la Universidad Distrital “Francisco José de Caldas” (UDFJC), clasificado en Colciencias en categoría B, reuniendo profesores de diversas áreas de las Ciencias Sociales, interesados en la reflexión del espacio desde una perspectiva multidisciplinar con miras a aportar en la comprensión contemporánea de la geografía y su relación con el mundo cotidiano, al igual que generar propuestas pedagógicas que cualifiquen su enseñanza dentro de los procesos educativos.

ESTRUCTURA Y ORGANIZACIÓN: El grupo Geopaideia ha ido construyendo una amplia experiencia, producto del trabajo investigativo y docente sobre líneas tales como: Educación geográfica, Didáctica de la geografía, Espacio, territorio y ciudad, Geografía y literatura, Geografía y filosofía, Geografía y cultura, que posibilitan el reconocimiento de diversos procesos de conceptualización, organización y significación espacial. El grupo tiene como objeto social la gestión y promoción de la investigación y el desarrollo científico, la formulación y ejecución de proyectos de investigación; el desarrollo de procesos de formación en ciencia, tecnología e investigación; bien sea a nivel de eventos, prácticas, pasantías, trabajos de grado (monografías y tesis). La oferta de proyectos de capacitación a nivel local, regional, nacional e internacional. La producción de textos y software de divulgación científica; el desarrollo y fomento a la investigación en el ámbito educativo formal y no formal, tanto público como privado, con proyección social y de apoyo a la educación del país.

FINES: Los fines específicos del Grupo Geopaideia son: a. Consolidar un equipo de trabajo interdisciplinario, que genere procesos e impactos en los sujetos de las comunidades sobre las que orienta su quehacer b. Gestionar de común acuerdo con Entidades Nacionales o Extranjeras recursos o programas destinados a la ejecución de proyectos del Grupo Geopaideia c. Realizar la gestión de proyectos de investigación que busquen determinar posibles soluciones a los problemas educativos en las comunidades de aprendizaje. d. Realizar la promoción de proyectos y resultados de investigación mediante diversos tipos de actividades e. Generar procesos de formación a nivel de investigación en diversos ámbitos y empleando distintas metodologías, técnicas y estrategias f. Contribuir con una cultura de la investigación en los ámbitos de formación y educación, tanto a nivel técnico, tecnológico y profesional a escala local, regional, nacional e internacional. g. Realizar la gestión y promoción de proyectos y eventos de investigación h. Generar espacios de formación en ciencia, tecnología e investigación, mediante conferencias, seminarios, talleres, cursos libres, simposios, congresos, foros, conversatorios, salidas de campo y demás eventos relacionados i. Gestionar, generar, implementar y adoptar planes, programas, proyectos y modelos de formación y cualificación j. Realizar ofertas de formación y capacitación a través de consultorías, asesorías, cursos de extensión (presenciales y/o virtuales) k. La producción, edición y divulgación de textos académicos y científicos por medio de artículos, libros, revistas, ponencias l. La producción de software de carácter científico y académico m. Asesorar proyectos comunitarios en zonas urbanas y/o rurales n. Aplicar conocimientos científicos y académicos con diversas comunidades para mejorar su calidad de vida

PROGRAMAS QUE SE OFRECEN: Dado el carácter que tiene la Asociación esta está en capacidad de: a. Desarrollar proyectos de investigación que aporten en la educación geográfica y en procesos territoriales que construyen los ciudadanos. b. Realizar actividades de formación y cualificación presenciales y/o virtuales, que comprenden cursos básicos, conferencias, talleres, seminarios, entre otras. c. Preparar, organizar y realizar talleres, foros de divulgación, conferencias, seminarios, conversatorios, cursos, muestras, encuentros. d. Crear redes de información y propiciar la relación con otras entidades similares ya sean nacionales o internacionales. e. Procurar el intercambio de publicaciones especializadas y productos elaborados por la Asociación. f. Apoyar e impulsar la edición de material necesario y propender por su difusión a través de folletos, manuales o cualquier otro medio que proporcione el conocimiento de los ejes temáticos relacionados con su objeto social a las personas, entidades o países interesados.

MIEMBROS: La Asociación es una Entidad de derecho civil sin ánimo de lucro, creada en Bogotá Distrito Capital por sus constituyentes, todos ellos domiciliados en Bogotá D.C., quienes reunidos decidieron organizar dicha ASOCIACIÓN de acuerdo a los dispuesto en la Constitución Nacional. La Asociación en la actualidad la Asociación cuenta 8 miembros.

PUBLICACIONES RECIENTES:

Moreno, N. Rodríguez, L. Sánchez J. (2011) *La salida de campo...se hace escuela al andar. Grupo de investigación Geopaideia. Editorial Geopaideia. Libro Virtual disponible en www.geopaideia.com enlace publicaciones.*

Cely A. & Moreno N. (2011) *Ciudades leídas, ciudades contadas. La ciudad latinoamericana como escenario didáctico para la enseñanza de la geografía. Bogotá D.C: Universidad Distrital Francisco José de Caldas.*

Moreno, N. (2011) *Re pensar la enseñanza de la ciudad. Alternativa para la formación ciudadana. En Producao do conhecimento e pesquisa no ensino da geografia. Goiania: Universidade Católica de Goiás y por la Universidade Federal de Goiás.*

Moreno, N. Cely A. Hurtado M. Rodríguez L. Sánchez J. (2011) *¿Qué función debe cumplir la enseñanza de las ciencias sociales en la escuela? Bogotá: Geopaideia Ediciones – Vicens Vives.*

Moreno, N. & Hurtado M. (2010) *Itinerarios Geográficos en la escuela. Lecturas desde la virtualidad*. Grupo de investigación Geopaideia. Editorial Geopaideia. Libro Virtual disponible en www.geopaideia.com/enlace_publicaciones.

http://www.geopaideia.com/?page_id=217
<http://www.anekumene.com/index.php/revista>

RAZÓN CARTOGRÁFICA, RED DE HISTORIA DE LAS GEOGRAFÍAS Y CARTOGRAFÍAS DE COLOMBIA

TIPO DE INSTITUCION: Sociedad profesional/asociación científica

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:

Comunicación/networking

FECHA DE FUNDACION: AGOSTO DE 2007

SITIO WEB: <http://razoncartografica.com/>

PARA MAS INFORMACION CONTACTAR: SEBASTIAN DIAZ ANGEL, COORDINADOR, Carrera 6 No 49- 61 (apto 002), Bogotá, Colombia, Teléfono: (+57)3158243242, razoncartografica@gmail.com

MISION: Razón Cartográfica busca articular, promover y difundir las investigaciones relacionadas con la historia de la geografía y la cartografía en Colombia e Ibero/Latinoamérica. También le apuesta a la interlocución entre historia, geografía, cartografía y el pensamiento crítico. Apoyamos iniciativas relacionadas con geografía histórica, historia ambiental, cartografía histórica, etc. Nuestro objetivo principal es articular esfuerzos de todas las personas e instituciones potencialmente interesadas en la protección, la difusión y la investigación del patrimonio cartográfico, y de las colecciones y archivos documentales -privados o públicos- relacionados con geografía y cartografía en Colombia. También buscamos contribuir al desarrollo de una mirada crítica e histórica sobre conocimientos geográficos, concepciones espaciales, cartografías y representaciones del territorio; así como sobre instituciones, disciplinas, racionalidades, prácticas y personas involucradas en la producción, la codificación, el ordenamiento del espacio y la circulación y consumo de conocimientos e imaginarios geográficos y cartográficos.

ESTRUCTURA Y ORGANIZACIÓN: Está constituido por: un Comité Coordinador, un Coordinador, webmaster y editor del sitio web, un Directorio de Investigadores y Subscriptores del sitio web. El Comité Coordinador es quien guía las estrategias del proyecto. El Coordinador es el responsable del cumplimiento de las estrategias del proyecto. El webmaster y editor del sitio web es el encargado de mantener actualizado el sitio web (en la actualidad es el coordinador del proyecto). El Directorio de Investigadores son las personas que voluntariamente apoyan el proyecto como investigadores asociados. Los subscriptores del sitio web administran su relación con el proyecto.

FINES: Razón Cartográfica (RC) es una red informal, privada, autónoma y sin ánimo de lucro, integrada voluntariamente por personas naturales que comparten sus principios y objetivos. Sus propósitos son la articulación, la vinculación, la interlocución y el trabajo colaborativo en red para promover: 1. “la investigación, la publicación y la difusión de la historia de la cartografía, de la geografía crítica, de la geografía histórica, de la historia de la geografía y del pensamiento espacial en ciencias sociales en Colombia, Iberoamérica y el mundo”, 2. “la protección y la difusión del patrimonio cartográfico y de las colecciones y archivos de geografía y cartografía en Colombia, Iberoamérica y el mundo”, 3. “el

fortalecimiento del estudio, la discusión y la democratización del conocimiento sobre historia, geografía, cartografía y áreas afines en Colombia”, 4. “el desarrollo de una mirada crítica e histórica sobre conocimientos geográficos, concepciones espaciales, cartografías y representaciones del territorio; así como sobre instituciones, disciplinas, racionalidades, prácticas y personas involucradas en la codificación, el ordenamiento del espacio y la circulación y consumo de conocimientos e imaginarios geográficos”, 5. “el diálogo y el debate entre todos aquellos interesados por el desarrollo de los conocimientos geográficos, y el uso de las herramientas de análisis y representación del espacio en las ciencias sociales, las artes y las humanidades” 6. “la cooperación, la alianza y el intercambio de conocimiento e información con entidades y proyectos afines a nivel local, nacional, e internacional.” Para desarrollar sus objetivos Razón Cartográfica (RC) ha establecido las siguientes estrategias: Interesar, articular y vincular permanente estudiantes, profesionales, proyectos y entidades afines. Colaborar con estudiantes, profesionales, proyectos y entidades vinculadas, aliados y afines. Explotar las tecnologías de comunicación para aprovechar las oportunidades de interacción instantánea, horizontal y multimedial de la cultura digital para la visibilización y el desarrollo de los objetivos de RC. Archivar, comunicar y difundir permanente información y contenidos actualizados de interés para investigadores, estudiantes, profesionales, proyectos, entidades y público en general, sobre temas afines a RC. Gestionar y apoyar la construcción y desarrollo de escenarios y procesos locales de investigación, discusión, difusión y publicación de temas afines a RC. Organizar, co-organizar y participar en eventos académicos o de difusión nacionales e internacionales, y en toda actividad acorde a los fines de RC.

PROGRAMAS QUE SE OFRECEN: Eventos y actividades académicos. En asocio con instituciones locales, Razón Cartográfica apoya eventos y actividades de promoción de la mirada social y cultural de la historia de la cartografía, de difusión de la memoria cartográfica de Colombia y de apropiación social y crítica de los conocimientos geográficos, incluyendo la coorganización del 5 Simposio Ibero-Americano de Historia de la Cartografía (5SIAHC) "Dibujar y pintar el mundo: Arte, cartografía y política" 24 al 27 de septiembre de 2014, Bogotá, Colombia (<http://5siahc.uniandes.edu.co/>). Mapoteca Digital: Razón Cartográfica apoya el proyecto Mapoteca Digital de la Biblioteca Nacional de Colombia (<http://www.bibliotecanacional.gov.co/content/mapoteca>)

UNIVERSIDAD DE LOS ANDES, BOGOTÁ

DEPARTAMENTO DE HISTORIA

FECHA DE FUNDACION: 1948

PROGRAMAS DE ESTUDIO: Maestría

CONTACTO PARA PROGRAMA DE POSGRADO: Dra.

Claudia Leal, claleal@uniandes.edu.co

POSGRADOS OTORGADOS ANUALMENTE: 4

SITIO WEB: <http://historia.uniandes.edu.co/>

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Coordinador Posgrados: Juan Pablo Ardila Falla, Numero de teléfono: 3394949 ext. 2525, maggeo@uniandes.edu.co

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: La Maestría en Geografía preparará a profesionales de variadas disciplinas para realizar investigaciones en geografía y para que incorporen los aportes de este campo de conocimiento a su formación y su ejercicio profesional. La Maestría en Geografía está organizada alrededor de dos ejes que definen a esta polifacética área del

conocimiento: 1) La relación entre las sociedades y el medio ambiente, y 2) El espacio como categoría fundamental para entender los fenómenos sociales. El primer eje ha definido el quehacer geográfico desde sus inicios y el segundo se ha constituido en las últimas décadas en un aporte imprescindible de la geografía a las ciencias sociales. Sobre estas bases, la Maestría se caracteriza por sus estrechos vínculos con las ciencias sociales, especialmente con la historia, sin perder de vista su relación con la geografía física. Así, dotará a los estudiantes de las herramientas teóricas y metodológicas que caracterizan hoy a la disciplina y le permiten un diálogo permanente con otras áreas del conocimiento. La Maestría en Geografía busca contribuir al actual crecimiento de esta disciplina en Colombia, que a pesar de contar con una larga tradición, sólo hasta hace poco más de una década ha tenido un avance académico significativo con la creación de diversos programas de formación de pregrado y posgrado. También pretende nutrirse del gran dinamismo actual de la geografía humana y cultural a nivel internacional para contribuir al conocimiento de la realidad, principalmente de nuestro país, pero también de otros lugares. De este modo formará investigadores que hagan evidente la importancia del espacio y el entorno natural en el análisis social. De igual forma incentivará la investigación y divulgación de los nuevos conocimientos obtenidos, con el fin de contribuir a mejorar la situación social del país.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: Los admitidos deberán seguir un plan de estudios de tres semestres, cada uno con tres asignaturas de cuatro créditos, para un total 36 créditos. Las materias se dividen en tres grandes áreas: Área de Formación Básica, Área de Seminarios y Área de Práctica de Investigación. La primera está conformada por cuatro materias (sociedad y naturaleza, espacio y sociedad, geografía física y taller de cartografía) que proporcionarán a los estudiantes los conocimientos temáticos y teóricos básicos para su desempeño en geografía. La segunda está conformada por tres seminarios electivos, que le permitirán al estudiante profundizar en su área de interés, y la tercera por el desarrollo del trabajo de grado.

PROFESORADO

Guhl, Andrés, Ph.D. en Geografía de University of Florida--transformaciones del paisaje, desarrollo, ecología del paisaje, ecología política y geografía ambiental

Herrera, Marta, Ph.D. en Geografía de Syracuse University--ordenamiento social y espacial

Leal, Claudia, Ph.D. en Geografía de University of California, Berkeley--historia ambiental, ecología política

Sánchez, Luis, Ph.D. en Geografía de Florida State University--geografía política y cultural, las geografías de la construcción de la identidad, migración, desarrollo, globalización

Van Ausdal, Shawn, Ph.D. en Geografía de University of California, Berkeley--naturaleza y sociedad, historia del desarrollo, y economía política de la comida

UNIVERSIDAD DEL VALLE

DEPARTAMENTO DE GEOGRAFÍA

FECHA DE FUNDACION: Diciembre 3 de 1992

PROGRAMAS DE ESTUDIO: Grado asociado/técnico,

Licenciatura

SITIO WEB: <http://geografia.univalle.edu.co/>

PARA PEDIR UN CATÓLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Andrés Enrique Bautista, Santiago de Cali, Colombia, Teléfono: (57-2) 3212189, Fax: (57-2) 3303343 – 3334909, dgeograf@univalle.edu.co

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: El Departamento fue creado según la Resolución No 135 de diciembre 3

de 1992, del Consejo Superior de la Universidad. Su estructura se basa en la organización y funcionamiento de cuatro cátedras, las cuales responden a áreas específicas del conocimiento geográfico, lo mismo que a problemas concretos de investigación que han venido siendo estudiados por los profesores de la Unidad. Las Cátedras son: Geografía Física - Medio Ambiente; Geografía Económica - Social; Geografía Política - Planeamiento Territorial y Cartografía. Los profesores que forman parte de la Unidad Académica han presentado sus proyectos de investigación en áreas específicas de trabajo, algunos han sido aprobados y otros están en pleno proceso de evaluación; sus líneas se enmarcan dentro de lo estipulado para cada cátedra y las investigaciones en general comprenden aspectos relacionados con: Geografía Rural y Económica, Ordenamiento Territorial, Geografía Aplicada - área urbana y Geografía Física. Nuestras actividades nos han permitido contar con una revista de divulgación: La Revista GEO, y tenemos en preparación la edición de un segundo número. De otro lado, contribuye a la presentación de la propuesta de realizar la Especialización en Geografía, el hecho de que el Departamento es la única Unidad Académica de Geografía que hay en el Valle del Cauca. Su creación específica obedeció al interés de abrir el campo de esta disciplina en el contexto universitario en igualdad de condiciones con los otros campos del saber. La Unidad ha venido cubriendo los distintos planes desde antes de su creación, cuando entonces funcionaba como una sección de Geografía en el Departamento de Historia. En la Universidad existen en el momento otras Unidades Académicas y de investigación que tienen de alguna manera afinidades con el que hacer geográfico, y que cuentan con una infraestructura técnica y tradición investigativa, las cuales servirán de apoyo a la Especialización. Estas son: El Instituto de Abastecimiento y Remoción de Aguas, - CINARA; El Centro de Estudios Regionales, - REGION; El Observatorio Sismológico del Sur-occidente, -OSSO; El Instituto de Estudios del Pacífico y La Facultad de Ingenierías. Además en Cali hay instituciones muy ligadas a los estudios geográficos que serán de gran importancia, no sólo para lograr obtener una mayor información, sino para poder realizar algunas actividades de campo, como son entre otras: La CVC, El DAGMA, El IGAC e INGEOMINAS.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA:

Requisitos de Admisión y Selección: Puntaje del ICFES del año 2006 en adelante: Historia 45, Lenguaje 45, Geografía 45, Biología 35; Matemáticas 40; y Filosofía 35. En relación con transferencias y traslados, los estudiantes deben cumplir con los siguientes requisitos: Provenir de un programa académico afín (Geología, Licenciatura en Ciencias Sociales, Licenciatura en Geografía, Licenciatura en Historia, Historia, Ingeniería Geográfica, Ingeniería Topográfica, Economía, Antropología, Sociología, entre otros) y permitir mediante la homologación de asignaturas la ubicación por lo menos, en segundo semestre. Fecha de Iniciación de Actividades: Enero 2003 Creado mediante Resolución 004 de Febrero 28 de 2002, del Consejo Superior de la Universidad del Valle. Aprobado por: Resolución del Consejo Académico No. 014 del 24 de Enero de 2002 y Resolución del Consejo Superior No. 004 del 28 de febrero de 2002. Registro SNIES: 16018 del Ministerio de Educación Nacional (Renovación por 7 años a partir de la Resolución 6316 del 23 de octubre de 2007) Título que se expide: Geógrafo Duración: 5 Años Periodicidad de la Admisión: Anual Modalidad: Diurna (lunes a viernes de 7:00-10:00 asignaturas propias y de 10:00-13:00 Electivas profesionales o complementarias)

PROFESORADO

Planta Profesorado Nombrados

Elkin de Jesús Salcedo, Dr. en Geociencias

Jaime Vásquez Sánchez, Dr. Geografía Económica – Social

Rodolfo Espinosa López, Magíster en Geografía

Javier E. Thomas Bohórquez, Magíster en Geografía

Cecilia Orozco Cañas – Esp. en Administración pública, Esp. en Políticas Públicas

Pedro Martín Martínez Toro, Magíster en Política Territorial y Urbanística

Luis Marino Santana Rodríguez, Doctor en Cartografía, Sistemas de Información Geográfica y Teledetección
Oscar Buitrago Bermúdez, Magíster en Geografía con énfasis en Ordenamiento Territorial
Zaida Liz Patiño Gomez, Doctora en Ciencias Sociales – Área de profundización Sociedad y Educación
Ramón Serna, Magíster en Geografía con énfasis en Ordenamiento Territorial Contratistas
Julio Cesár Rubi, o Candidato a Magister en Educación Popular y Desarrollo Comunitario
Hernando Uribe Castro, Magíster en Sociología, Universidad del Valle
Carlos González Rodríguez, Ingeniero Forestal, Cartografía general
Ramiro Bonilla Sandoval, Msc. en Planificación Urbana

UNIVERSIDAD EXTERNADO DE COLOMBIA

PROGRAMA DE GEOGRAFIA
FECHA DE FUNDACION: 2005
ESPECIALIZACIÓN EN GEOGRAFÍA POLÍTICA Y GEOPOLÍTICA DEL MUNDO
ACTUAL FUNDADA EN: 2010
TITULOS OFRECIDOS: Pregrado, Especialización
GRADOS CONCEDIDOS, 1/08/2005 – 30/09/2010
Ninguno
ESTUDIANTES EN RESIDENCIA: 12 Pregrado, 5 Especialización
NO EN RESIDENCIA: 1 Pregrado
JEFE DE PROGRAMA: Philippe Chenut(e.)

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Sr. Philippe Chenut, Director (e.) Programa de Geografía, Facultad de Ciencias Humanas, Universidad Externado de Colombia, Calle 12 No. 1-17 Este Bogotá Colombia Teléfono (57 1) 341-990. Fax (57 1) (57 1) 341- 8158. E-Mail: geografia@uexternado.edu.co Internet: <http://portal.uexternado.edu.co/index.html>

PROGRAMAS E INSTALACIONES DE INVESTIGACION: Los objetivos del programa incluyen el estudio de (1) la relaciones entre los actores sociales y su entorno biofísico y social (2) el papel que juegan las relaciones de poder en los procesos de gestión y ordenamiento del territorio (3) el análisis espacial. Los estudiantes del programa desarrollan sus estudios dentro de un enfoque interdisciplinario, con un fuerte énfasis en la investigación. Se pretende que sean capaces de trabajar en equipos formados por diversos profesionales de las ciencias sociales y naturales. Es así como desarrollan sus trabajos de grado en áreas de investigación interdisciplinarias en las que interactúan estudiantes y profesores de diversas disciplinas. Las fortalezas del programa son las siguientes: a) Geografía política e histórica; b) Geografía urbana; c) Epistemología de la geografía; d) Análisis espacial; e) Efectos territoriales de la globalización y las migraciones, f) Geografía agraria

PLAN ACADEMICO, REQUISITOS DE ADMISION, AYUDA FINANCIERA: El plan de estudios se desarrolla en 10 semestres. Requisitos de admisión: Diploma de educación secundaria de Colombia o equivalente, examen del ICFES, entrevista Apoyo financiero: becas, monitorías académicas y de investigación; Programa de becas para miembros de minorías étnicas

PROFESORADO:

Camilo Domínguez, Sociólogo- Doctorado en geografía, Sao Paulo, 2004, Docente-Investigador Geografía política e histórica— Estudios amazónicos y del Caribe

Gustavo Montañez, Ingeniero geógrafo, PhD, Geografía, Universidad de la Florida, 1995, Docente-Investigador—Geografía política y cultural – efectos territoriales de la globalización
Luis Berneth Peña, Geógrafo, Doctorando en Geografía, Université Rennes 2, Docente- Investigador—Geografía urbana – Epistemología de la geografía, análisis espacial
Philippe Chenut, Geógrafo, Mgr Medio ambiente y Desarrollo, Universidad Nacional de Colombia (Cand.), Docente-Investigador, Ordenamiento ambiental del territorio—análisis espacial
Laura Rincón, Geógrafa, Mgr. Economía social, Universidad Nacional de General Sarmiento Buenos Aires (Cand.), Docente-Investigadora, Efectos territoriales de las migraciones— Planificación urbano-regional
Bladimir Rodríguez, Geógrafo, Topógrafo,- Economía social, Universidad Nacional de General Sarmiento Buenos Aires (Cand.), Geografía agraria—Desarrollo local

PROFESORADO ASOCIADO:

Elkin Velásquez, Ingeniero Geólogo – Doctorado en Geografía. U. de Grenoble, Gobernanza territorial—Riesgos naturales y antrópicos
Claudia Romero, Ingeniera topógrafa, Mgr. SIG y Teledetección, U. de Alcalá—Cartografía, Teledetección, SIG, análisis especial

UNIVERSIDAD NACIONAL DE COLOMBIA

DEPARTMENT OF GEOGRAPHY
DEPARTMENT DATE FOUNDED: 1967
DIRECTOR: Luis Carlos Jiménez Reyes
UNDERGRADUATE PROGRAM FOUNDED: 1991
COORDINATOR UNDERGRADUATE PROGRAM:
Isabel Duque Franco
COORDINATOR GRADUATE PROGRAM: Jhon Williams Montoya Garay

The Department of Geography (Human Sciences Faculty, National University of Colombia) has undergraduate and graduate (Speciality in Spatial Analysis, Magister and Doctorate) Programmes and carries out research programmes in geography and related sciences and disciplines.

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Director del Departamento de Geografía, Facultad de Ciencias Humanas, Carrera 30 45-03, Universidad Nacional de Colombia; Sede Bogotá, Colombia. Telefonos (57-1) 3165025 o 3165000 ext. 16321, 16320, Fax (57-1) 3165025. E-mail address: depggeografi_bog@unal.edu.co

UNDERGRADUATE PROGRAM

DEGREE OFFERED: Professional Geographer

STUDENTS IN RESIDENCE: 160

The graduate program leads to bachelors degree in Geography and it is oriented towards developing abilities in analysis and problem solving as well as skills in methodology and techniques of geographic analysis. The program includes the study of five aspects of geographic formation: (1) Metodology (2) Physical and biotic area (3) Quantitative methods, cartography, and geographical information technologies (4) Socioeconomic and political Geography and (5) interdisciplinary seminars. The field work plays an important role in both the physical and human areas.

GRADUATE PROGRAM

GRADUATE PROGRAMS FOUNDED: 2008

STUDENTS IN RESIDENCE: 50

The graduate programs develop their activities in the frame of the following research lines: 1) Spatial dynamics and urban and urban-regional structures; 2) Natural and human-induced hazards and risks; 3) Biogeophysical and socioeconomic dimension of global change; 4) Space and territory; 5) Culture and environment.

SPECIALIZATION IN SPATIAL ANALYSIS PROGRAM

DEGREE OFFERED: Specialist in Spatial Analysis

This specialization programme provides to professionals from different areas the abilities and knowledge to be competent to work on zoning and environmental synthesis and in analysis of urban and urban-regional problems.

MAGISTER PROGRAM

DEGREE OFFERED: M. Sc. in Geography

Magister Program in Geography forms young researchers in geography with the abilities to participate or lead interdisciplinary studies on both man-nature interaction, and spatial analysis issues, specially on the research lines of Department of Geography.

DOCTORAL PROGRAM

DEGREE OFFERED: Doctor in Geography

This graduate program prepares leaders for the research activity in the geographical area of knowledge. This leader is a researcher with the capacity to propose, develop and lead research programs which contribute to improve both the knowledge and the understanding of spatial dynamics involved in the society-nature interaction.

FACULTY:

Germán Vargas C., Ph.D. in Earth Sciences (Université Pierre et Marie Curie, Paris VI, Paris, France, 1997), Associate Professor—Geology, Remote Sensing, Natural Hazards

Astrid Ullóa, Ph.D. in Anthropology (University of California-Irvine, 2003), Associate Professor—Cultural Geography, Political Ecology, Gender Geography

Susana Barrera, Ph.D. (c) in Geography (Wilfrid Laurier University - University of Waterloo, Canada, 2010), Associate Professor—Urban Water/land management, Urban Geography, Environmental Geography, and GIS

Jeffery Chaparro M., Ph.D. in Human Geography (Universidad de Barcelona, 2008), Assistant Professor—Cybergeography, Human Geography, Urban Geography, Geography and Education

Juan Manuel Díaz, Ph.D. (Justus Liebig Universität - Germany, 1985), Associate Professor—Biogeography, Marine Biology

Isabel Duque, Ph.D. in Human Geography 2008 (Universidad de Barcelona), Assistant Professor—Urban Geography, Urban Planning and Management

Heber Rivera, Ph.D. in Hydrology (State Hydrometeorological Institute, St. Petersburg-Russia), Associate Professor—Hydrogeography, Natural Hazards

Gabriel Triana, Doctor (c) in Geography (Universidad Nacional de Colombia, 2009), Associate Professor—Analysis and Spatial Modeling, Geographic Information Technologies

John-Williams Montoya, Ph.D. (c) (Université Laval, QC, Canada, 2008), Associate Professor—Urban Geography, Theory of the Geography

Kim Robertson, M.Sc. in Earth Sciences (University of California-Davis, 1987), Assistant Professor—Geomorphology, Photointerpretation, and Natural Hazards

Luis Carlos Jiménez- Reyes, Ph.D. in Geography of Development (Université de Bordeaux 3, 1999), Associate Professor—Urban Geography, Regional Geography, Urban and Regional Planning

Luis Jorge Gracia, M.Sc., Escuela de Postgrados en Geografía UPTC/IGAC, 1992, Assistant Professor—Population Geography, Rural Geography

Nohra León, Ph.D. in Economics Sciences, Universidad Nacional de Colombia, 2003, Associate Professor—Economic Geography, Environmental Studies, Introduction to Geography

Ovidio Delgado, M.Sc. in Geography, Escuela de Postgrados en Geografía UPTC/IGAC, 1985, Associate Professor—Political Geography, Economic Geography, Theory of the Geography

José Daniel Pabón, Ph.D. in Geography, Odessa GMI, former USSR, 1987, Associated Professor—Meteorology and Climatology, Climate Variability and Climate Change, Natural Hazards, Environmental Studies

Carlos Mario Yory García, Postgraduate, Centro de investigaciones y Estudios superiores en antropología social, México, D.F., 2011, Associated Professor, Doctor in Human Geography, Architect—topophilia and habitat, globalization, regional planning

Lucía Duque Franco, Ph.D. in Latin Americans studies, 2007, Historian—Territory, space, margins, borders, and history cartography, Theory of history

UNIVERSIDAD PEDAGOGICA Y TECNOLÓGICA DE COLOMBIA

DEPARTAMENTO DE CIENCIAS SOCIALES

FECHA DE FUNDACION: 1957

PROGRAMAS DE ESTUDIO: Licenciatura en Ciencias Sociales

CONTACTO PARA PROGRAMA DE POSGRADO: POSGRADOS OTORGADOS ANUALMENTE:

SITIO WEB: www.uptc.edu.co

PARA PEDIR UN CATÁLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Jorge Ruiz, Profesor Asociado, Tunja, Colombia, Teléfono: 5787422174, Fax: 5787436206, ciencias.sociales@uptc.edu.co

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN

Competencias Básicas: 1.Capacidad para establecer criterios y procedimientos que le permitan trabajar conjuntamente con la comunidad, en la búsqueda de valores, en la recuperación creativa de la cultura y en la preservación y uso racional del medio ambiente. 2.Orientar una actitud abierta al cambio en lo social, político, pedagógico y cultural, a partir de los sustentos científicos, epistemológicos y filosóficos alcanzados durante la carrera. 3.Análisis crítico de la realidad social y sus conflictos, para plantear alternativas de solución desde un enfoque socio-crítico. 4.Utilización de distintas estrategias y modelos pedagógicos que contribuyen con la enseñanza – aprendizaje de las ciencias sociales. Competencias Generales: 1.Promover la participación democrática de la comunidad en el estudio, tratamiento y solución de sus problemas de tal forma que llegue a ser reconocido por ella como un líder y gestor comunitario. 2.Coordinar las acciones de educación para la vida democrática, la convivencia y la participación y el fortalecimiento de la sociedad civil. 3.Adoptar un consecuente compromiso ético y moral como profesional de la educación. Competencias Profesionales: 1.Diseñar y ejecutar propuestas para la enseñanza y aprendizaje de las Ciencias Sociales de manera integral y acorde con las necesidades y aspiraciones de la comunidad donde labora. 2.Desempeñar la docencia en Educación Básica y en Educación Media en áreas de Historia, Geografía, Filosofía, Democracia, Medio Ambiente y Derechos Humanos.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA

ASIGNATURAS	CRÉDITOS	ÁREA	PRIMER SEMESTRE
COMPETENCIAS COMUNICATIVAS	4	GENERAL	
GEOCIENCIAS	3	DISCIPLINAR Y PROFUNDIZACIÓN	
HISTORIA ANTIGUA Y MEDIEVAL	4	DISCIPLINAR Y	

PROFUNDIZACIÓN TEORÍA SOCIOLOGICA I 4 DISCIPLINAR Y PROFUNDIZACIÓN UNIVERSIDAD Y ENTORNO 3 GENERAL SEGUNDO SEMESTRE ANTROPOLOGÍA CULTURAL 4 DISCIPLINAR Y PROFUNDIZACIÓN EPISTEMOLOGÍA DE LAS CIENCIAS SOCIALES 4 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA MODERNA 4 DISCIPLINAR Y PROFUNDIZACIÓN INTRODUCCIÓN A LA GEOMÁTICA 3 DISCIPLINAR Y PROFUNDIZACIÓN PROYECTO PEDAGÓGICO I 4 INTERDISCIPLINAR TERCERO SEMESTRE ECONOMÍA GENERAL 4 DISCIPLINAR Y PROFUNDIZACIÓN GEOGRAFÍA HUMANA 3 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA CONTEMPORÁNEA 4 DISCIPLINAR Y PROFUNDIZACIÓN PROYECTO PEDAGÓGICO II 4 INTERDISCIPLINAR SOCIO-HUMANÍSTICA I 3 GENERAL CUARTO SEMESTRE ELECTIVA INTERDISCIPLINAR I 4 INTERDISCIPLINAR PROYECTO PEDAGÓGICO III 4 INTERDISCIPLINAR TEORÍA SOCIOLOGICA II 4 DISCIPLINAR Y PROFUNDIZACIÓN TEORÍA Y MÉTODO DE LA GEOGRAFÍA 4 DISCIPLINAR Y PROFUNDIZACIÓN TEORÍA Y MÉTODO DE LA HISTORIA 4 DISCIPLINAR Y PROFUNDIZACIÓN QUINTO SEMESTRE ELECTIVA INTERDISCIPLINAR II 4 INTERDISCIPLINAR ETNOLOGÍA DE AMÉRICA Y COLOMBIA 3 DISCIPLINAR Y PROFUNDIZACIÓN GEOGRAFÍA POLÍTICA I 4 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA DE AMÉRICA I 4 DISCIPLINAR Y PROFUNDIZACIÓN PROYECTO PEDAGÓGICO IV 4 INTERDISCIPLINAR SEXTO SEMESTRE ELECTIVA INTERDISCIPLINAR III 4 INTERDISCIPLINAR GEOGRAFÍA POLÍTICA II 4 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA DE AMÉRICA II 4 DISCIPLINAR Y PROFUNDIZACIÓN METODOLOGÍA DE LA INVESTIGACIÓN 3 DISCIPLINAR Y PROFUNDIZACIÓN TICS Y AMBIENTES DE APRENDIZAJE 3 INTERDISCIPLINAR SEPTIMO SEMESTRE ARQUEOLOGÍA Y PATRIMONIO CULTURAL 3 DISCIPLINAR Y PROFUNDIZACIÓN ELECTIVA INTERDISCIPLINAR IV 4 INTERDISCIPLINAR GEOGRAFÍA FÍSICA DE COLOMBIA 3 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA DE COLOMBIA I 3 DISCIPLINAR Y PROFUNDIZACIÓN SEMINARIO DE INVESTIGACIÓN I 4 INTERDISCIPLINAR SOCIO-HUMANÍSTICA II 3 GENERAL OCTAVO SEMESTRE DIDÁCTICA DE LAS CIENCIAS SOCIALES I 3 DISCIPLINAR Y PROFUNDIZACIÓN ECONOMÍA COLOMBIANA 3 DISCIPLINAR Y PROFUNDIZACIÓN ELECTIVA DE PROFUNDIZACIÓN I 3 DISCIPLINAR Y PROFUNDIZACIÓN GEOGRAFÍA HUMANA DE COLOMBIA 3 DISCIPLINAR Y PROFUNDIZACIÓN HISTORIA DE COLOMBIA II 3 DISCIPLINAR Y PROFUNDIZACIÓN SEMINARIO DE INVESTIGACIÓN II 4 INTERDISCIPLINAR NOVENO SEMESTRE DIDÁCTICA DE LAS CIENCIAS SOCIALES II 3 DISCIPLINAR Y PROFUNDIZACIÓN ELECTIVA DE PROFUNDIZACIÓN II 3 DISCIPLINAR Y PROFUNDIZACIÓN ETICA Y POLÍTICA 4 GENERAL SEMINARIO DE INVESTIGACIÓN III 3 DISCIPLINAR Y PROFUNDIZACIÓN SOCIOLOGÍA COLOMBIANA 3 DISCIPLINAR Y PROFUNDIZACIÓN DECIMO SEMESTRE PRÁCTICA PEDAGÓGICA INTEGRAL 5 DISCIPLINAR

PROFESORADO: 33 profesores

UNIVERSITY OF CORDOBA, COLOMBIA

DEPARTAMENTO DE GEOGRAFÍA Y MEDIO AMBIENTE

FECHA DE FUNDACION: Departamento de Geografía:

Julio 10 de 1998 - Universidad de Córdoba: 1964

PROGRAMAS: Licenciatura, Maestría

JEFA DEL DEPARTAMENTO: Doris Villalba-León

CONTACTO PARA PROGRAMA DE PREGRADO:

Doris Villalba-León,

dvillalba@correo.unicordoba.edu.co

LICENCIATURAS OTORGADAS ANUALMENTE: 18

CONTACTO PARA PROGRAMA DE POSGRADO:

Jairo Durango-Vertel,

jairodurangovertel@gmail.com

POSGRADOS OTORGADOS ANUALMENTE: 2

CENTROS DE INVESTIGACION: Instituto de

Investigaciones Geográficas y Ambientales del Caribe (GeoCaribe)

SITIO WEB: <http://www.geo-unicordoba.info>

URL DE PROGRAMA EN LINEA: <http://www.geo-unicordoba.info> <http://www.geocaribe.org>

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Doris Villalba-León, Jefa del Departamento, Montería, Departamento de Córdoba, Colombia, Teléfono: 57-4-7818039, deptogeografia@unicordoba.edu.co

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: La geografía es una disciplina antiquísima y a la vez muy moderna. Las más remotas manifestaciones del pensamiento registradas por escrito dan prioridad a la innata curiosidad del hombre sobre su entorno. Por otra parte, el geógrafo de hoy utiliza modernas tecnologías de observación y análisis para estudiar los fenómenos que ocurren en la superficie terrestre, en términos de su localización, interacción y otros atributos espaciales, al tiempo que participa de las corrientes filosóficas y metodológicas que orientan el progreso científico general. El Departamento de Geografía y Medio Ambiente de la Universidad de Córdoba ofrece dos niveles de estudio sistemático, el universitario superior (pregrado) y la maestría, a través de los cuales forma profesionales capacitados para manejar técnica y científicamente las tareas disciplinares propias de un geógrafo. Se ha creado también el Instituto de Investigaciones Geográficas y Ambientales del Caribe (GeoCaribe), cuyas funciones se orientan a satisfacer las necesidades de investigación y extensión geográficas en la región caribeña.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA

FINANCIERA: El ingreso a la carrera de geografía requiere la acreditación del título de bachiller y haber alcanzado en las pruebas del Ministerio de Educación los niveles que la Universidad establece para la admisión general. En el Programa de Pregrado se brinda al estudiante una formación equilibrada entre los componentes Teórico-Metodológico, Técnico-Instrumental, áreas Geografía Física y Humana, con cursos de apoyo que complementan la formación integral, distribuidos en 10 semestres académicos de estudio. El Programa de Maestría requiere acreditar un título de geógrafo, licenciado en ciencias sociales u otro de áreas afines a la geografía. Se requieren cuatro semestres de estudio y la investigación y sustentación de una tesis. La ayuda financiera que requieran los estudiantes la pueden gestionar a través del Icetex, una agencia gubernamental especializada en becas y préstamos educativos.

PROFESORADO:

Jairo Manuel Durango Vertel: Licenciado en ciencias sociales, Especialista en SIG y sensores remotos, M.Sc. en geografía, estudiante de doctorado en geografía

Doris Alicia Villalba León: Antropóloga, Especialista en gestión y desarrollo comunitario, Maestría en gobierno municipal, M.Sc. en geografía

Doris Mejía Avila: Ingeniera forestal, Especialista en SIG, estudiante de doctorado en geografía

Rubén Darío Godoy Gutiérrez: Licenciado en ciencias sociales, M.Sc. en geografía

Doris Helena Serrano Amaya: Agróloga, Especialista en SIG, Maestría en geomática

Edgar Rafael Manotas Olascoaga: Ingeniero agrónomo, M.Sc. en geografía

El Departamento también cuenta ocasionalmente con la colaboración de profesores visitantes, entre quienes se cuenta especialmente a:

Héctor F. Rucinke, Ph.D. y M.Sc. (MSU y Wisconsin-Madison) y Ovidio R. Toro, M.A. (Iowa).

Actualmente están vinculados como profesores ocasionales los siguientes exalumnos de la maestría: Rosana Garnica Berrocal, Wilson Bayardo Castro, Arnulfo Manuel Gómez Ramos, Teonila Ided Aguilar Jiménez, Oscar Antonio Puerta Avilés. Otros catedráticos: Alexis Carbone Mendoza, Hugo Cadena Cepeda, Kelly Rosa Oviedo Mercado y Maria Isabel Toro.

COSTA RICA

UNIVERSIDAD DE COSTA RICA

ESCUELA DE GEOGRAFÍA

FUNDADA EN: 1974

GRADOS QUE OFRECE: Bachillerato, Licenciatura y Maestría en Geografía (M.Sc.)

ESTUDIANTES ACTUALES: Bach.: 250, Lic.:50, M.Sc. 50.

DIRECTOR: Dr. Gilbert Vargas Ulate

PARA MÁS INFORMACIÓN ESCRIBIR A: Gilbert Vargas Ulate, Escuela de Geografía, Facultad de Ciencias Sociales, San Pedro de Montes de Oca, San José, Costa Rica. Apdo. 2060. Teléfono (506) 2511 6402, Fax (506) 2234 7246, E-mail: gilbert.vargasulate@ucr.ac.cr, geografia@ucr.ac.cr Internet: <http://www.geografia.fcs.ucr.ac.cr/>

La geografía moderna, como ciencia que estudia la organización y la diferenciación del espacio nace muy tardíamente en Costa Rica. En 1973, se creó la escuela de Ciencias Geográficas de la Universidad Nacional y en 1974 un año más tarde se constituyó el Departamento de Geografía en la Universidad de Costa Rica, creado por el profesor Rafael Obregón Loria, Director de la antigua Escuela de Historia y Geografía. La Escuela de Geografía se creó en el año de 1999 y desde su fundación se inició una relación muy intensa con comunidades, instituciones públicas y privadas por medio de trabajos comunales, investigaciones y estudios de impacto ambiental, ordenamiento territorial y cartografías temáticas.

PROGRAMA:

Para ingresar a la Universidad de Costa Rica los estudiantes nacionales deben hacer una prueba académica. El idioma oficial es el Español. Para aplicación desde el extranjero, existen convenios con algunas universidades, los instructivos para ingresar desde otros países

pueden verse en la página http://www.oaice.ucr.ac.cr/prog_intercambio_acad.htm.

El Programa de Geografía busca llevar a un mejor entendimiento del espacio geográfico, situarse ante las problemáticas actuales y desembocar en la acción y ejecución de medidas de Ordenamiento Territorial aplicando modernas herramientas informáticas a través de los Sistemas de Información Geográficos.

¿Cuáles son las aportaciones que puede hacer la Geografía al ordenamiento del territorio? Pues en primer lugar el estudio del territorio, desde todos los puntos de vista en que la Geografía aborda el espacio geográfico, pues no otra cosa se esconde bajo la palabra «territorio». La Geografía permite un estudio integral y completo del territorio, tanto del que se pretende ordenar, con sus límites políticos, como de las interacciones fuera de este espacio determinado. En segundo lugar, la Geografía viene estudiando cómo se organiza el territorio, cuáles son los flujos, las redes, los nodos, la jerarquía, etc., que se dan en él, y las interacciones que se producen. Sabiendo esto, al geógrafo le resulta muy fácil determinar qué dentro del territorio funciona mal y cómo se podría organizar mejor. Esto es vital para la ordenación del territorio, conocer qué y dónde se han de hacer las cosas.

Los objetivos básicos de nuestro programa de estudio son: el Plan de Bachillerato que se rige bajo un sistema semestral, existen una combinación de cursos tanto en Geografía Social como en Geografía Física. Dentro de las temáticas se encuentran las geografías regionales que incluyen Costa Rica, América Central, América Latina y el Mundo, análisis geográfico, y del paisaje, hidrogeografía y climatología entre otros. Con el fin de introducir a los estudiantes en las modernas técnicas cartográficas se imparten cursos de Fotointerpretación, Cartografía Digital y Teledetección. También se incursiona en las temáticas ambientales más actuales desde cursos como Gestión Ambiental, Ordenamiento del Territorio, de Cuencas Hidrográficas y de los Espacios Turísticos. Para obtener el título de Bachiller en Geografía se requiere de un total de 133 créditos.

El Programa de Licenciatura permite una mayor especialización. Así, el programa consiste en un módulo de un ciclo lectivo de cursos, orientado a brindar técnicas avanzadas, y un semestre dedicado al ejercicio profesional en una institución o proyecto específico. Esta nueva modalidad de práctica profesional le brinda al estudiante la oportunidad de desempeñarse en su campo académico bajo la supervisión de un profesor consejero, pero inmerso en un ambiente laboral real. Los cursos agregan otras temáticas como es el Manejo de Áreas Silvestres y Ordenamiento del Litoral y del Espacio Agrícola.

Se cuenta con dos maestrías, una académica y una profesional. La Maestría académica constituye la oportunidad para estudiantes de geografía y de ciencias afines de especializarse en materia de estudios territoriales, tanto aplicados al Ordenamiento como orientados hacia la producción académica de conocimiento. Se creó en 1985 por acuerdo del Consejo Nacional de Rectores (CONARE), con el fin de impulsar el desarrollo de las ciencias geográficas en Costa Rica y el resto de América Central. En 1992 se regionalizó el programa a través de la Confederación Universitaria de Centroamérica (CSUCA). Para información acerca del programa de Maestría, puede ver la página web de la Escuela de Geografía o al propio Sistema de Postgrado de la Universidad en <http://www.sep.ucr.ac.cr>.

La Maestría profesional en Sistemas de Información Geográfico y Teledetección es un programa especializado multidisciplinario, ofrecido en forma compartida por la Universidad de Costa Rica (UCR) y la Universidad Nacional de Costa Rica (UNA), que recibe estudiantes con formación base o experiencia equivalente en SIG y Teledetección. Desarrolla temáticas especializadas en teledetección, fotogrametría, geodesia, cartografía, modelado de procesos biofísicos, diseño e implementación de bases de datos espaciales, programación

de aplicaciones en SIG, y da una visión administrativa en gerencia y gestión de proyectos de SIG.

PROFESORES:

Sandra Alfaro, M.Sc. Costa Rica—Turismo
Rafael Arce Mesén, Dr. Laval, Canadá—Cartografía Digital, Sistemas de Información Geográfica
Elvis Arias Castillo, Lic. Costa Rica—Geografía
Guillermo Artavia Rodríguez, M.Sc. Costa Rica—Biogeografía
Isabel Avendaño Flores, Dra. Costa Rica—Historia
Jean Pierre Bergoeing, Dr. Francia—Geomorfología
Guillermo Brenes Quesada, D.E.A. Francia—Geomorfología
Roberto Castillo Vásquez, Dr. Kansas, USA—Geografía Cultural y Rural
Víctor M. Cortés Granados, M.Sc. Bélgica—Geología y Geomorfología del Cuaternario
Dr. Costa Rica. Sistemas de Producción Agrícola Tropical Sostenible
Carlos L. Granados Chaverri, Dr. USA—Geografía Política y Social
Mauricio Herrera, Dr. USA—Ingeniería y Geografía
Sadí Laporte Molina, Lic. Costa Rica—Física y Meteorología
Oscar Lücke Sánchez, M.Sc. Duke, USA—Ingeniería Forestal
Silvia Meléndez Dobles, M.Sc. Costa Rica—Geografía - Ordenamiento Territorial
Olman Ramírez Moreira, M.Sc. Costa Rica—Estadística
Denís Salas González, Lic. Costa Rica—Geografía
Francisco J. Solano Mata, M.Sc. Costa Rica—Geografía
Heriberto Ureña Calderón, Lic. Costa Rica—Geografía
Max Ureña Ferrero, M.Sc. Francia—Teledetección, Medio Ambiente y Paisaje
Gilbert Vargas Ulate, Dr. Francia—Biogeografía
Roberto Vindas, Bach. Costa Rica—Sociología
William Zúñiga Venegas, Dr. España—Geografía del Paisaje

PROFESORA EMÉRITA:

Carolyn Hall, Dra. Inglaterra—Geografía Histórica

UNIVERSIDAD NACIONAL DE COSTA RICA

ESCUELA DE CIENCIAS GEOGRÁFICAS

DATE FOUNDED: 1973

GRADUATE PROGRAM FOUNDED: 2003 (Master)

GRADUATE PROGRAM FOUNDED: 2007 (Master)

DEGREES OFFERED: Diplomado en Cartografía digital, Bachillerato, Licenciatura, 2 Maestrados

GRANTED: 2009- Bachillerato y Licenciatura 35 (Noviembre 2009) 17; Maestrados: 20 (2008 - 2010).

STUDENTS: Mestrado: 16

CHAIR: Master Lilliam Quirós Arias

DEPARTMENT ACADEMIC PROGRAM

COORDINATOR: Master Gustavo Barrantes Castillo

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Master Lilliam Quiros Arias lquiros@una.cr (Chair) or Master Gustavo Barrantes Castillo gbarrantes@gmail.com Graduate Program Coordinator), Escuela de Ciencias Geográficas Universidad Nacional de Costa Rica. Heredia, Costa Rica. Apartado Postal 86-3000, Phone Number: (506) 2277- 3283; Fax Number: (506) 22-61 0028; <http://www.geo.una.ac.cr/> e-mail address: geograf@una.ac.cr.

PROGRAMS E INSTALACIONES DE INVESTIGACIÓN: incluye áreas de trabajo y proyectos asociados (1) Programa en Sistemas de Información Geográfica y Teledetección (PROSIGTE), Fortalecimiento del Programa de Maestría Interuniversitaria en Sistemas de Información Geográfica (SIG) Y Teledetección (DT) (2) Programa Gestión de Actividades y Proyectos del Área de

Ordenamiento Territorial y Planes Reguladores, Planes reguladores cantonales (Poás, Siquirres, Upala, Los Chiles, Guatuso y Esparza). (3) Área de paisaje y territorio: Sinergias entre Paisaje y Turismo en Centroamérica: el caso de Tamarindo, Costa Rica; San Juan del Sur, Nicaragua y Roatán, Honduras. Corredor Verde Fluvial para el Área Metropolitana de Heredia. II Etapa. (4) Área de riesgos naturales: Utilización de Modelaje Computacional y Sistemas de Información Geográfica como Herramientas para la Gestión del Riesgo por Caída de Ceniza Proveniente del Volcán Irazú y el Ordenamiento Territorial en el Valle Central. Aproximación de vulnerabilidades y amenazas en cantones selectos para la observación y diagnóstico de potencial a desastres (5) Manejo de cuencas y recursos asociados: Balance hídrico de la región central de costa rica. El caso de la micro cuenca del río Bermúdez. Programa Integrado de Protección y Manejo Sostenible del Recurso Suelo (6) Servicios de información y divulgación: Servicio de mapoteca virtual para la incorporación de las TIC en las actividades académicas. Revista Geográfica de América Central (7) Programa de Acreditación: Seguimiento a la calidad en la carrera de Ciencias Geográficas con énfasis en Ordenamiento del Territorio.

PLAN ACADEMICO, REQUISITOS DE ADMISION, AYUDA FINANCIERA:

Dos carreras de grado: Carrera de Ciencias Geográficas con énfasis en ordenamiento del territorio y el Diplomado en Cartografía y Diseño Digital. Dos carreras de posgrado; Maestría en Gestión de Turismo de Naturaleza y Maestría en Sistemas de Información Geográfica y Teledetección. II Ciclos anuales de 17 semanas. Haber aprobado examen de admisión. El plan de Estudio en la CCG es de modalidad presencial, combina horas contacto (que a su vez en la CCG se divide en hora laboratorio, horas de campo, trabajo práctico) y las horas de estudio independiente. Es una carrera de tiempo completo. La Universidad ofrece diferentes modalidades de becas o ayudas económicas. la carrera está acreditada (1 de julio de 2010) por el sistema nacional de acreditación de la educación superior (SINAES), agencia acreditada a nivel mundial por la Red Internacional de Agencias de Aseguramiento de la Calidad de la Educación Superior, conocida por sus siglas en inglés INQAAHE. Mayor información planes de estudio y duración <http://www.geo.una.ac.cr/>.

FACULTY:

Alfaro Rodríguez Dionisio, Máster—Política económica, Ordenamiento territorial y gestión municipal
Alfaro Chavarría Consuelo, Máster—Cartografía y Enseñanza de la Geografía
Alfaro Sánchez Marvin, Licenciado—Cartografía, Sistemas de Información Geográfica
Alvarado Sánchez Meylyn, Máster—Desarrollo Rural Comunitario y Licda. Educación Ambiental y Turismo
Araya Ramírez Iliana, Licenciada—Geografía Humana y Enseñanza de la Geografía
Arrieta Chavarría Omar, Máster—Geografía Humana, Ordenamiento Territorial y Epistemología de la Geografía
Arroyo González Luis Nelson, Máster—Recursos Naturales, Fotointerpretación y Desastres Naturales
Barrantes Castillo Gustavo, Máster—Geografía Física, Geografía física, desastres naturales y geomática
Cedeño Montoya, Betsy, Máster—Sistemas de información geográfica y Teledetección
Hernando Echeverría Ligia, Licenciada—Geografía Física, Hidrología y manejo de cuencas
Miranda Álvarez Pablo, Máster—Ordenamiento Territorial, Turismo, Estadística
Moraga Peralta Julio Cesar, Candidato a Doctorado— Sistemas de Información Geográfica y Teledetección
Morera Beita Carlos, Doctor—Geografía Física, Planificación ambiental y turismo
Orias Arguedas Lidia, Master—Geografía Humana, Geografía de los Transportes

Orozco Vilches María Elena, Máster—Geografía Humana, Evaluación y Formulación de Proyectos
Quirós Arias Lilliam, Máster— Geografía Humana, Desarrollo Rural
Rivera Jiménez Sergio, Máster—Abogado con especialidad en Legislación ambiental
Rodríguez Soto Francisco, Máster, Candidato a Doctorado— Planificación urbano regional y Sistemas de Información Geográfica
Romero Vargas Marilyn, Doctora—Planificación territorial, paisaje y conservación
Ruiz Hernández Amalia, Licenciada— Geografía física, Cartografía, Sistemas de Información Geográfica
Solano Mayorga Manuel A., Máster —Sistemas de Información Geográfica y Teledetección
Vega Ramírez Mauricio, Máster—Geografía Humana, Ordenamiento territorial, Gestión Municipal
Adolfo Quesada, Geógrafo, Máster —Geomorfología
Daniel Avendaño Leadem – Geógrafo, Maestría en Sustentabilidad y desarrollo

diplomados en distintas instituciones, relacionadas con el tema de los SIG.

Esta facultad a creado 42 nuevos doctores, que han contribuido con el desarrollo del país.

Profesores de la carrera:

Actualmente la Facultad consta con un claustro integrado por 28 profesores y 2 adiestrados, dedicados a la docencia y a la investigación, de ellos 17 poseen el Título de Doctores en Ciencias Geográficas y 10 el de Master en Geografía Medio Ambiente y Ordenamiento Territorial.

DOMINICAN REPUBLIC

UNIVERSIDAD APEC

ESCUELA DE TECNOLOGÍA

FECHA DE FUNDACION: 1965

PROGRAMAS DE ESTUDIO: Licenciatura, Maestría, Doctorado, Certificado

CONTACTO PARA PROGRAMA DE POSGRADO:

POSGRADOS OTORGADOS ANUALMENTE:

SITIO WEB: unapec.edu.do

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Santo Rafael Navarro, Profesor, Investigador y académico, Santo Domingo, Republica Dominicana, Teléfono: 1809-686-0021 ext.: 3224 / 1809-601-9403, Fax: 809-287-8721, santonavarro@hotmail.com

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN:
OBJETIVOS: SE PRETENDE QUE EL ALUMNO: RECIBA LA FORMACIÓN TEÓRICO-PRÁCTICA NECESARIA PARA INICIARSE EN LA INVESTIGACIÓN CIENTÍFICA EN EL ÁMBITO DE LOS SISTEMAS DE INFORMACIÓN GEOGRÁFICA (GIS), CON UN ENFOQUE TECNOLÓGICO INFORMÁTICO Y DE COMUNICACIONES OBTENGA LA PREPARACIÓN NECESARIA PARA LA REALIZACIÓN DE TESIS DOCTORALES EN MATERIAS ESPECÍFICAS DE SIG (GIS). LA INVESTIGACIÓN DEL PROGRAMA DE DOCTORADO TÉCNICAS AVANZADAS EN TELEDETECCIÓN MODELOS DIGITALES DEL TERRENO METODOLOGÍAS Y TECNOLOGÍAS GIS INGENIERÍA DEL SOFTWARE E INGENIERÍA WEB EN GIS USABILIDAD E INTERACCIÓN PERSONA-COMPUTADOR EN GIS CARTOGRAFÍA DIGITAL, SISTEMAS DE INFORMACIÓN GEOGRÁFICA EN MEDIO AMBIENTE ALMACENES DE DATOS Y MINERÍA DE DATOS PARA GIS ANÁLISIS DE DATOS GESTIÓN DEL CONOCIMIENTO EN GIS ACUERDOS Y CONVENIOS LOS ACUERDOS Y CONVENIOS CON CENTROS DE INVESTIGACIÓN Y EMPRESAS LÍDERES E INNOVADORAS EN EL MUNDO DE LOS SISTEMAS DE INFORMACIÓN GEOGRÁFICA (GIS) PERMITEN A LOS ALUMNOS DE DOCTORADO TRABAJAR EN LÍNEAS DE INVESTIGACIÓN DE TECNOLOGÍA PUNTA EN LA MATERIA. CENTRO DE SATÉLITES DE LA UNIÓN EUROPEA (EUSC) CEROS Y UNOS TECNOLOGÍAS UNIVERSIDAD DE JAEN ESRI INTERGRAF OTRAS DEA DIPLOMA DE ESTUDIOS AVANZADOS. SE CONCEDE UNA VEZ SUPERADOS LOS CURSOS DE DOCTORADO Y EL TRABAJO DE INVESTIGACIÓN TUTELADO. TRAS PASAR POR EL TEA (TRIBUNAL DE ESTUDIOS AVANZADOS) RECONOCE LA LABOR

CUBA

UNIVERSIDAD DE LA HABANA

FACULTAD DE GEOGRAFÍA

FUNDADA EN: 1979

TÍTULO OTORGADO: LICENCIADO EN GEOGRAFÍA

DECANA: Dra. Nancy Pérez Rodríguez

SITIO WEB: <http://geo.uh.cu/site/>

PROFESIONALES QUE HA PRODUCIDO LA

CARRERA: 1200 egresados

Objetivos de la carrera:

Constituir un elemento indisolublemente ligado a la formación del futuro profesional. Propiciar el desarrollo y calificación del personal docente para las investigaciones. Garantizar el uso del potencial científico que labora y estudia en la facultad para la solución de tareas específicas del desarrollo económico y social del país. Por ello se ha puesto el énfasis en las investigaciones de carácter aplicado, vinculadas a la solución de problemas sociales, investigaciones que relacionan los trabajos técnicos fundamentales con la práctica, lo que ha sido una vía efectiva y operativa para introducir los resultados de la investigación en la economía, la producción y la organización social. Pueden diferenciarse varias etapas en la consolidación del trabajo científico investigativo.

También se imparten especialidades como Cursos, Diplomados, Maestrías y Doctorados.

Maestrías:

Maestría en “Geografía, Medio Ambiente y Ordenamiento Territorial”, la que comenzó a ofrecerse a partir del curso académico 1995-1996, la que tuvo desde sus inicios por objetivo, la formación de egresados en universitarios con una alta competencia profesional al más alto nivel científico-técnico y con gran rigor académico.

Maestría en “Geografía Militar”, en el curso académico 1997-1998, y que tuvo una duración de dos años. Con un desarrollo exitoso, ejerció una amplia repercusión en la formación de cuadros y oficiales de las FAR, lo que permitió que se ampliara y fortalecieran los vínculos con esta institución.

Diplomados:

Diplomados en “Geoeología de los Paisajes”, así como el diplomado en Medio Ambiente y Ordenamiento Territorial” que comenzó a ejecutarse a partir de Septiembre del 2000. Se han impartido cuatro

REALIZADA EN UNA DETERMINADA ÁREA DE CONOCIMIENTO Y ES HOMOLOGABLE EN TODAS LAS UNIVERSIDADES ESPAÑOLAS.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: en este momento se está formando 4 profesores con doctorado en SIG, y se está formulando un programa a futuro con especialización en SIG. solo estamos desarrollando un proyecto de investigación en: **ANÁLISIS CUANTITATIVO DEL CRECIMIENTO URBANO Y SU RELACIÓN CON EL MEDIO AMBIENTE A TRAVÉS DE LAS IMÁGENES SATELITALES LANDSAT TM Y SPOT EN EL ÁREA METROPOLITANA DE SANTO DOMINGO** El propósito de este proyecto es demostrar la potencialidad de diferentes sensores remotos y tecnología GPS en el estudio de crecimiento urbano. Los procedimientos involucrados consisten en hacer clasificaciones del uso del suelo, la evaluación del impacto de la economía urbana, evaluar la calidad de vida en el ambiente construido y los cambios en el medio ambiente determinados por la información de cada imagen con procedimientos visuales y digital. En ese sentido, la Universidad APEC, sustentada en su cuerpo de docentes, investigadores, personal administrativo y estudiantes, y en un esfuerzo vanguardista ha decidido presentar ante el FONDOCYT 2009, el proyecto "Diseño de un modelo metodológico para el monitoreo del crecimiento urbano y el medio ambiente", el cual se apoya en la aplicación de nuevas tecnologías de monitoreo como consecuencia de causas naturales y humanas. Además, a los estudiantes de ingeniería de software y electrónica se le imparte un monográfico en Sistema de Información Geográfica e infraestructura de datos espaciales para su término de carrera.

PROFESORADO

Santo Rafael Navarro, DEA, M.Sc. Sistema de Información Geográfica, Universidad APEC—Técnicas avanzadas en teledetección, crecimiento urbano, Cartografía Digital y Sistema de Procesamiento de Imágenes y Modelo y Simulación en GIS, Cartografía Digital, Fotogrametría y Medio Ambiente

Williams Camilo Reinoso, DEA, M.Sc. Sistema de Información Geográfica, Universidad APEC—Técnicas avanzadas en teledetección, crecimiento urbano, Cartografía Digital y Sistema de Procesamiento de Imágenes y Modelo y Simulación en GIS, Cartografía Digital, Fotogrametría y Medio Ambiente.

Fernando Alfredo Manzano Aybar, DEA, M.Sc. Sistema de Información Geográfica, Universidad APEC—Técnicas avanzadas en teledetección, crecimiento urbano, Cartografía Digital y Sistema de Procesamiento de Imágenes y Modelo y Simulación en GIS, Cartografía Digital, Fotogrametría y Medio Ambiente.

Luis Pérez Méndez, DEA, M.Sc. Sistema de Información Geográfica, Universidad APEC—Técnicas avanzadas en teledetección, crecimiento urbano, Cartografía Digital y Sistema de Procesamiento de Imágenes y Modelo y Simulación en GIS, Cartografía Digital, Fotogrametría y Medio Ambiente.

FOR FURTHER INFORMATION WRITE TO: CEPEIGE: Seniergues E4-676 y Gral. Paz y Miño, 3er. Piso del Instituto Geográfico Militar. Quito – Ecuador

OBJETIVO: El CEPEIGE tiene por objetivo primordial difundir y estimular el conocimiento de las ciencias geográficas en el Continente, mediante la organización de cursos para post-graduados, realización de investigaciones, organización de eventos científicos especializados, edición de textos y documentos geográficos, y la cooperación con organismos nacionales e internacionales relacionados con su finalidad.

El CEPEIGE, en el marco de sus atribuciones, procura la permanente actualización de los conocimientos geográficos mediante la implementación de sus instalaciones y laboratorios con los recursos modernos que demanda la Nueva Geografía.

ACTIVIDADES PRINCIPALES:

CURSOS INTERNACIONALES DE GEOGRAFÍA APLICADA

Se realizan con el auspicio de la Organización de los Estados Americanos, OEA, del Instituto Panamericano de Geografía e Historia, IPGH, y el Aval Académico de la Pontificia Universidad Católica del Ecuador, PUCE; y tienen la categoría de eventos de especialización a nivel de posgrado.

Están dirigidos a profesionales de los países americanos vinculados con las ciencias geográficas, y tratan cada año sobre diferentes temas de actualidad de la Geografía Aplicada. La dirección del evento está a cargo de un Profesor Principal Invitado que es un experto internacional especializado en el tema, con la colaboración de profesionales ecuatorianos.

Su principal objetivo es especializar a los participantes en aspectos relevantes de la Geografía Aplicada para optimizar su papel de multiplicadores en los campos de la planificación, investigación y docencia geográficas.

El período de duración es de siete semanas a tiempo completo, y se desarrollan entre los meses de junio y julio de cada año. En la primera fase se imparte instrucción teórico-conceptual sobre el tema central del evento y sus disciplinas de apoyo, mediante la modalidad de clases formales, conferencias especializadas y prácticas de campo. La segunda comprende la realización de trabajos de investigación por grupos en el campo y el laboratorio, y la elaboración de una mini tesis como requisito para optar por el Certificado de Aprobación.

CURSOS NACIONALES DE ESPECIALIZACIÓN EN GEOGRAFÍA APLICADA

Con el auspicio del Ministerio de Educación y Cultura, MEC, a través de la DINAMEP, se organizan anualmente entre los meses de marzo y mayo; y septiembre y diciembre, con una duración de once semanas a tiempo completo, dirigidos a los profesores de Ciencias Sociales, área de Geografía, de nivel medio, y a profesionales geógrafos y afines que residen en el Ecuador.

Los objetivos principales son actualizar y profundizar los conocimientos de los participantes en los conceptos y técnicas modernos de la Geografía para aplicarlos en la docencia e investigación; y proporcionar entrenamiento teórico-conceptual y metodológico para desarrollar trabajos de investigación. Entre las principales materias que se imparten durante el desarrollo de los cursos constan: Geografía Física, Geografía Humana, Cartografía Básica, Cartografía Temática, Proyecto Educativo Institucional, PEI y Plan Operativo Anual, POA, Diseño Curricular y Pedagogía en el Bachillerato, Gestión de Riesgos Naturales en el Sector Educativo, Ecología y Educación Ambiental, Estadística, Metodología de Investigación, Introducción a los Sistemas de Información Geográfica, SIG, complementándose con conferencias especializadas y prácticas en el campo.

ECUADOR

CENTRO PANAMERICANO DE ESTUDIOS E INVESTIGACIONES GEOGRÁFICAS, CEPEIGE

POINT OF CONTACT: Ing. Filemón Napoleón Valencia Robayo.
E- mail: cepeige@hoy.net. Website: <http://regional.iespana.es/>.
Teléfono: 02 2237 725, 02 2237 733, 02 2541 200. Fax: 02 2509 122

Las diferentes opciones de aprobación que presenta el curso, pretenden incentivar la participación de los docentes del país, para lo cual se tienen como alternativas las siguientes:

Aprobado el primer módulo, los participantes interesados podrán solicitar el Certificado de “Ascenso de Categoría” o de “Méritos”, que es entregado por la DINAMEP a quienes cumplan con los requisitos establecidos.

Certificado de “Aprobación”, al finalizar el curso, con el reconocimiento del Ministerio de Educación y el CEPEIGE.

Adicionalmente, los participantes que cumplan con los requisitos académicos y administrativos previstos, tanto por el CEPEIGE, como por la Universidad Andina Simón Bolívar, podrán optar al Título de “Especialización” Superior en Geografía Aplicada.

Como beneficio complementario, el CEPEIGE seleccionará a los mejores estudiantes, quienes, por su desempeño académico, representarán al Ecuador en el Curso Internacional de Geografía Aplicada, evento organizado con el apoyo de la Organización de los Estados Americanos, OEA, Instituto Panamericano de Geografía e Historia, IPGH, y el aval académico de la Pontificia Universidad Católica del Ecuador.

PONTIFICIA UNIVERSIDAD CATÓLICA DEL ECUADOR

**FACULTAD DE CIENCIAS HUMANAS
ESCUELA DE CIENCIAS GEOGRÁFICAS
FUNDADA EN: 1989**

**GRADOS QUE OFRECE: Ingeniería Geográfica y
Maestría**

**ESTUDIANTES ACTUALES: Ingeniería: 220; Maestría:
96**

DIRECTOR: Dr. Juan Hidalgo

PARA MAYOR INFORMACION ESCRIBIR A: Azucena Vicuña C., Escuela de Ciencias Geográficas, Facultad de Ciencias Humanas, Av. 12 de Octubre 1076 y Roca, Quito-Ecuador. Apartado Postal 17-01-2184. Teléfono: 593-2-2991700 ext. 1889, o al 593-2-2991626 Directo. E-mail: avicunaj@puce.edu.ec.

PROGRAMAS: La Escuela de Ciencias Geográficas de la PUCE forma geógrafos con competencias para ejecutar actividades profesionales relacionadas con la interacción de los seres humanos y la naturaleza física, con énfasis en la visión territorial y ambiental. Para ello, desarrolla en los estudiantes habilidades intelectuales de análisis, síntesis y reflexión sobre los espacios geográficos. Parte importante del pensum está orientada a lograr un dominio del manejo de las técnicas de análisis espacial para su aplicación en la planificación, el ordenamiento territorial y la gestión ambiental.

Ingeniería Geográfica y Planificación territorial: Esta carrera forma profesionales preparados para diferenciar y analizar los tipos de ocupación del espacio, apoyándose en fotografías aéreas, imágenes de satélite, trabajo de campo y cartografía. Su mayor fortaleza consiste en estudiar las relaciones sociedad – naturaleza.

Este profesional está en capacidad de:

- Administrar y ordenar adecuadamente los espacios naturales y geográficos.
- Conocer las dinámicas de los paisajes naturales
- Establecer modelos matemáticos para estudiar tendencias y escenarios de ocurrencia de tales fenómenos
- Manejar técnicas de análisis espacial y conocer las bases legales y reglamentarias relacionadas con su especialidad.

- Coadyuvar a detectar, analizar y sugerir las medidas preventivas y de mitigación de algún evento natural que ponga en riesgo a la sociedad.

- Intervenir en la planificación y en el manejo de áreas protegidas, recursos naturales, agro ecosistemas y desarrollo sustentable, principalmente a través de procesos de planificación, diseño de sistemas de monitoreo y control del espacio y del medio ambiente.

Ingeniería Geográfica y gestión ambiental: Esta carrera forma profesionales preparados para diferenciar y analizar las condiciones ambientales del desarrollo humano y la ocupación del territorio. Su trabajo se realiza con el apoyo de fotografías aéreas, imágenes de satélite, trabajo de campo y cartografía asignaturas instrumentales que apuntalan su sólida formación en Ciencias de la Tierra, Ciencias Ambientales y Ciencias Sociales, las que constituyen, propiamente, el campo de su actividad profesional.

Su mayor fortaleza consiste en estudiar las relaciones sociedad – naturaleza, los impactos ambientales y la gestión del territorio y del ambiente, todo esto concebido como un todo holístico que posibilita la vida del Planeta y el desarrollo de la humanidad.

Este profesional está en capacidad de:

- Realizar la gestión adecuada del ambiente, principalmente de sus componentes naturales.
- Realizar la gestión adecuada del territorio, en sus diferentes niveles y jurisdicciones, principalmente en sus componentes jurídico-organizacionales y sociales, relacionándolos con los ambientales (naturales).
- Entender las dinámicas de los paisajes geográficos y realizar las adecuaciones y gestión que sean necesarias.
- Establecer modelos matemáticos para estudiar tendencias y escenarios de ocurrencia de tales fenómenos.
- Manejar técnicas de análisis espacial para la gestión ambiental y territorial.
- Conocer y aplicar las bases legales, reglamentarias y de otro tipo, relacionadas con la gestión del ambiente y del territorio.
- Participar en la identificación, análisis prevención y mitigación de riesgos provenientes de eventos naturales, así como de los riesgos que deriven de las actividades humanas.
- Intervenir en gestión de recursos naturales de todo tipo, de las áreas protegidas, de los agro ecosistemas, sistemas urbanos y del desarrollo sustentable, en general, principalmente a través de procesos de planificación, diseño de sistemas de monitoreo, evaluación y auditorías ambientales y control del medio ambiente y del territorio.
- Intervenir proactivamente en la administración pública del medio ambiente y del territorio nacional mediante su visión holística, integrada e integradora de los componentes naturales, sociales, económicos y normativos de la nación.

Maestría en Desarrollo Regional y Planificación Territorial.

Este programa presencial, se creó por Resolución del CONESUP en el 2006 y tiene por objetivo formar profesionales que logren un dominio de los conceptos metodologías y herramientas de la planificación participativa del territorio para el fomento del desarrollo regional y local, en términos de sustentabilidad.

La estructura académica de este programa contempla módulos sobre: aspectos jurídicos y sociales; técnicas para diagnósticos, cartografía y planificación; aspectos ambientales; aspectos socioeconómicos; enfoque integrado de la—planificación; seminarios temáticos; práctica de campo; y práctica de tesis.

Mayor información del programa de Maestría se puede obtener en la página web de la PUCE o escribiendo a MSc. Olga Mayorga (ohmayorga@puce.edu.ec), Coordinadora del mismo.

Profesores/as:

Se indica el nombre, áreas de interés o materias que dicta:

Sheika Aragundi, Ph.D.—Áreas Protegidas, Ecología, Biogeografía

Jorge Campaña, Lic.—Desarrollo Sustentable, Impactos Ambientales, Educación Ambiental
Fernando Barragán, Master—Sistemas de Información Geográfica, Cartografía Básica
Juan Hidalgo A, Dr.—Teoría y Métodos de la Geografía, Enseñanza de la Geografía, Geografía Humana
Fredy López, MSc.—Desarrollo Sustentable, Fotointerpretación, Biogeografía, Geografía Física
María Fernanda López, Ph.D.—Geografía Política, Geografía Rural, Diseño y Evaluación de Proyectos, Espacio y Sociedad
Magdalena López, Ph.D.—Edafología, Geoquímica
Galo Manrique, Mag. Ing.—Geología, Geomorfología, Riesgos Naturales, Cuencas Hidrográficas
Milton Maya, Econ.—Economía
Olga Mayorga, MSc.—Planificación Local y Regional, Sistemas de Información Geográfica y Análisis Espacial, Geolingüística, Prospectiva Territorial
Monserath Mejía, Mag.—Sistemas de Información Geográfica, Cartografía Estadística, Bases de Datos
Santiago Mena, MSc.—Sistemas de Información Geográfica, Cartografía Automatizada
Carlos Nieto, Ph.D.—Agroecología, Recursos Naturales; Proyectos
Enid Palacios, Master—Estadística
Antibal Rovalino, Lic.—Meteorología e Hidrología
Víctor Pro, Master—Matemática
Patricio Solís, Ing Agrónomo—Geografía Rural
Fernando Struve, Arq.—Planificación Municipal
Soledad Vásquez, Mgs.—Espacio y Sociedad, Cartografía Temática.
Azucena Vicuña, MSc.—Geografía de la Población, Demografía, Geografía Urbana, Espacio y Sociedad, Metodología de la Investigación
Francisco Veintimilla, Master—Legislación Ambiental
Svetlana Zavgorodniaya, Ph.D.—Geología, Geomorfología, Ordenamiento Territorial, Riesgos Naturales

JAMAICA

UNIVERSITY OF THE WEST INDIES, MONA

DEPARTMENT OF GEOGRAPHY AND GEOLOGY
CHAIR: David Barker
FOUNDED: 1961 (Geology), 1965 (Geography)
DEGREES OFFERED: BA, BSc, BEd, MPhil, MSc, PhD

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Geology, Kingston 7, Jamaica. Telephone: (876) 927-2728/2129. Fax: (876) 977-6029. Email: geoggeol@uwimona.edu.jm; Web: http://www.mona.uwi.edu/geoggeol/. Head of Department: Professor David Barker (email: david.barker@uwimona.edu.jm).

PROGRAMS:

The University of the West Indies has campuses in Jamaica (Mona), Trinidad (St. Augustine), and Barbados (Cave Hill). Geography and Geology are only offered as degree-level subjects at both the undergraduate and graduate levels (BA, BSc, BEd, MPhil, MSc, and PhD) at Mona in Jamaica (the St. Augustine campus provides a recently introduced BSc in Geography). Undergraduate students are attracted from across the English-speaking Caribbean, although the largest number of students typically comes from Jamaica. Further information in relation to the courses offered by the department is also listed on the departmental website noted above.

ACADEMIC FACULTY:

Geography

Dr. David Barker, Professor and Head of Department—Agricultural Geography
Dr. David Dodman, Lecturer—Urban Geography
Dr. Savitha Ganapathy—Biogeography, Forest Ecology
Dr. Susan Mains, Lecturer—Cultural and Urban Geography
Dr. David Miller, Lecturer—Geomorphology, Quaternary Science
Dr. Balfour Spence, Lecturer—Environmental and Disaster Management

Geology

Mr. Rafi Ahmad, Lecturer—Structural and Environmental Geology, Hazards Mapping
Dr. Trevor Jackson, Professor—Igneous Petrology
Dr. Arpita Mandal—Hydrology, Applied Geology
Dr. Simon Mitchell, Professor—Sedimentary Geology, Rudist Palaeontology
Dr. Edward Robinson, Emeritus Professor—Marine Geology, Physical Geology, Foraminiferal Palaeontology
Dr. Thomas Stemann, Lecturer—Palaeontology

RESEARCH UNITS

Disaster Studies Unit

Mr. Rafi Ahmad, Lecturer

Earthquake Unit

Dr. Margaret Wiggins-Grandison, Research Fellow

Environmental Management Unit

Dr. Elizabeth Thomas-Hope, Professor

Marine Geology Unit

Dr. Edward Robinson, Emeritus Professor

Ms. Shakira Khan, Research Associate

JOURNALS

Caribbean Geography

Caribbean Journal of Earth Science

ORGANIZATIONS

Jamaican Geographical Society

Geological Society of Jamaica

MÉXICO

CENTRO DE INVESTIGACIONES EN GEOGRAFIA AMBIENTAL, UNAM

TIPO DE INSTITUCION: Pública, académica
ACTIVIDAD PRINCIPAL DE LA ASOCIACION:
Investigación, SIG/cartografía
FECHA DE FUNDACION: 17 de Agosto de 2007
SITIO WEB: www.ciga.unam.mx

PARA MAS INFORMACION CONTACTAR: Dr. Gerardo Bocco Verdinelli, Director, UNAM-Campus Morelia Antigua Carretera a Pátzcuaro, 8701, Colonia Ex Hacienda de San José de la Huerta, C.P. 58190. Morelia, Michoacán, México. Teléfono: 52 4433223865, Fax: 52 4433223880, gbocco@ciga.unam.mx

MISSION DEL CENTRO: La misión del CIGA es contribuir a la planificación territorial para el manejo sustentable (aprovechamiento, conservación y restauración) de los recursos naturales en territorios específicos, mediante un programa integrado de investigación, docencia, vinculación y divulgación del conocimiento, con énfasis en la dimensión histórica y geográfica de la cuestión ambiental, en particular en la región centro-occidente del país (México)

ESTRUCTURA Y ORGANIZACIÓN: La toma de decisiones en el CIGA opera con una Dirección y el Consejo Interno (CI, se reúne mensualmente) constituido por 7 miembros: los secretarios académico, técnico y el coordinador de docencia, designados por el director, tres representantes del personal académico (dos por los investigadores y uno por los técnicos académicos, que a su vez conforman la mesa directiva del Colegio del Personal Académico, misma que se reúne bimestralmente) y el director, quien preside el CI. Las comisiones dictaminadora y evaluadora operan como órganos de consulta (se reúnen cuatrimestralmente). Participamos puntualmente en el Consejo Técnico de la Investigación Científica y el Consejo Académico de Área de las Ciencias Sociales de la UNAM (www.unam.mx)

OBJECTIVOS: Los objetivos del CIGA, definidos en 2006 y mantenidos a la fecha, son:

Realizar investigación científica de excelencia en el campo de la geografía ambiental, fortaleciendo los marcos conceptuales necesarios, en el contexto de la comprensión de la relación histórica entre sociedad-cultura-naturaleza, a partir de la perspectiva del análisis integrado del paisaje abordando temas de investigación emergentes y transversales.

Desarrollar, en colaboración con otras dependencias académicas locales, nacionales e internacionales, programas de excelencia para la formación de recursos humanos.

Vincular las actividades de investigación y docencia con las necesidades concretas de resolución de problemas ambientales, planteadas por los sectores social, productivo y gubernamental, utilizando técnicas de investigación participativa y auspiciando sinergias entre grupos académicos y otros actores sociales, en particular, en la región centro-occidente del país.

PROGRAMAS QUE SE OFRECEN: El CIGA desarrolla su actividad en el marco de cuatro áreas de investigación (bajo la supervisión de la dirección y la secretaría académica) a las cuales se ligán líneas de investigación en torno a las relaciones sociedad-cultura-naturaleza desde un enfoque territorial. Estas áreas son: (a) Ciudad, Región y Ambiente (Ambientes Urbanos y Peri-urbanos, originalmente denominada Sustentabilidad Urbana y Regional) (b) Historia Ambiental, Poder y Territorio, (c) Ambientes Rurales, (d) Ciencia-Sociedad-Innovación. La entidad dispone de dos laboratorios adecuadamente equipados, uno para análisis de suelos y agua, y otro para análisis espaciales (percepción remota y sistemas de información geográfica); una unidad de cómputo; una unidad de vinculación; y un centro de documentación que forma parte de la red UNAM de bibliotecas. En docencia, el CIGA es entidad responsable del posgrado en Geografía de la UNAM (www.posgrado.unam.mx) y ofrece un programa de maestría en Manejo Integrado del Paisaje y un doctorado tutorial en Geografía (www.ciga.unam.mx)

EL COLEGIO DE MICHOACÁN

CENTRO DE ESTUDIOS DE GEOGRAFÍA HUMANA-CEGH

FECHA DE FUNDACION: 2002

PROGRAMAS DE ESTUDIO: Maestría

CONTACTO PARA PROGRAMA DE POSGRADO:

Martha Chávez Torres, cegh@colmich.edu.mx

POSGRADOS OTORGADOS ANUALMENTE: 1

SITIO WEB: www.colmich.edu.mx

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Martha Chávez Torres, Coordinadora del CEGH, La Piedad, Michoacán, México, Teléfono: (+52)3525256107 ext 2400, cegh@colmich.edu.mx

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN:

Programs and research facilities: Since September 2004, the Research Center for Human Geography offers an M.A. Program in Human Geography that leads students to become familiar with contemporary issues related to socio-territorial development and related problems in México and Latin America. Particular emphasis is placed on three research areas: a) process in landscapes; b) Socio-economic development, territorial transformation and environmental problems; and, c) Territory, politics practices and social organization.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA

FINANCIERA: Our installations in La Piedad, Michoacán, México, provide the following facilities: a specialized library, fully-equipped classrooms, a computer laboratory, and work places for all students. Academic Program, admission requirements and financial aid: Beginning in September 2006, the Study Programs at El Colegio de Michoacán will operate on a Trimester basis (a total of 8 trimesters, or 2 years). During the first 4 Trimesters courses on the different fields of human geography (theoretical, methodological, technical issues) are offered. The remaining 4 trimesters are devoted to the preparation and realization of a field research-based thesis. CONACYT (Mexico's National Science and Technological Council) and El Colegio de Michoacán have a limited number of scholarships available to applicants. Requirements include obtaining a B.A. in Geography or in a related field in the Social Sciences.

PROFESORADO

Martha Chávez, Ph.D., Université de Corse Pascal Pauli, France—Space, culture and mobility

Virginie Thiebaut, Ph.D., University of Nancy, France—Process in

Landscapes, Historical Geography and landscape transformation

Octavio González, M.A., Ph.D., Candidate, Center for Research and Higher Studies in Social Anthropology (CIESAS), Guadalajara, Mexico—Space, culture and mobility

Leticia Mejía, M.S., Ph.D. Candidate, National Autonomous University of Mexico—Socio-economic development and territorial transformation

Carlos Téllez, M.A., Ph.D., Candidate, National Autonomous University of Mexico—Socio-economic development and territorial transformation

Carlos, Herrejón Peredo, Ph.D., École des Hautes Études in Sciences Sociales, Paris, France—Process in Landscapes, México history: institution and geography

Sara Barrasa García, Ph.D., Autonomous University of Madrid, Spain—Process in Landscapes, Ecology and Environment

Octavio Montes, Ph.D., El Colegio de Michoacán A. C. Zamora, Michoacán, México—Territory, politics practices and social organization

INSTITUTO PANAMERICANO DE GEOGRAFÍA E HISTORIA

FECHA DE FUNDACIÓN: Febrero de 1928
SECRETARIO GENERAL: Rodrigo Barriga-Vargas

ESTRUCTURA Y ORGANIZACIÓN: Su estructura organizativa es la siguiente: Asamblea General, Consejo Directivo, Reunión de Autoridades, Secretaría General, Comisiones de Cartografía, Geografía, Historia y Geofísica, y Secciones Nacionales.

(i) La Asamblea General es su Órgano Supremo y tiene por misión fijar la política científica, administrativa y financiera del Instituto. (ii) El Consejo Directivo es el Órgano Panamericano del IPGH, tiene a su cargo ejercer las funciones de la Asamblea General, durante los intervalos entre las reuniones de ésta. (iii) La Reunión de Autoridades es el Órgano Rector y Coordinador de las actividades del Instituto entre las Reuniones del Consejo Directivo. (iv) La Secretaría General es el Órgano Central y Permanente del IPGH, responsable de la administración, la coordinación de las actividades de sus diversas instancias de gobierno, brinda la asistencia necesaria para el funcionamiento de los mismos, la ejecución de tareas que se le encomienden y vela por el cumplimiento de los acuerdos adoptados para la buena marcha del IPGH. El Secretario General es el representante del IPGH. (v) Las Comisiones son los Órganos encargados de promover el desarrollo científico y técnico de sus respectivos campos de acción en los Estados Miembros, así como de coordinar, estimular y supervisar los proyectos y otros acuerdos de investigación, aprobados por la Asamblea General o el Consejo Directivo. Existen cuatro Comisiones: Cartografía, Geografía, Historia y Geofísica; se subdividen en Comités y Grupos de Trabajo. (vi) Las Secciones Nacionales constituyen los organismos establecidos por cada Estado Miembro, para el cumplimiento de los fines del IPGH en el ámbito de sus respectivos países.

FINES: (i) Fomentar, coordinar y difundir estudios Cartográficos, Geográficos, Históricos y Geofísicos, así como los de sus ciencias afines y de interés para América. (ii) Promover y coordinar el avance científico y técnico, las investigaciones, las relaciones entre instituciones y especialistas, los trabajos y la capacitación en Cartografía, Geografía, Historia y Geofísica. (iii) Impulsar y estimular la cooperación entre las instituciones especializadas de América y las Organizaciones Internacionales, en sus cuatro áreas.

ESTADOS MIEMBROS: Solamente los Estados Americanos son miembros natos del IPGH. Los países de otros continentes pueden ser Observadores Permanentes. Los 21 países que actualmente integran el IPGH en calidad de Estados Miembros son: Argentina, Belice, Bolivia, Brasil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Estados Unidos de América, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Perú, República Dominicana, Uruguay y Venezuela. Los países Observadores Permanentes son: España, Francia, Israel y Jamaica.

CAPACITACIÓN Y BECAS: A través de sus Comisiones el IPGH ofrece una amplia gama de cursos, talleres y conferencias dirigidas a especialistas y profesionales de las áreas de interés del Instituto, y en general a otros profesionales interesados en la materia.

PROGRAMA CIENTÍFICO-TÉCNICO: El Programa de Asistencia Técnica del IPGH tiene como propósito la ejecución de acciones especializadas que contribuyan a la integración regional y al desarrollo sostenible en temas específicos: cambio climático, ordenamiento del territorio y desastres naturales.

PARA MAYOR INFORMACIÓN DIRÍJASE A: Secretaría General del IPGH, Ex Arzobispado 29, Colonia Observatorio, 11860 México, D.F., teléfonos (52- 55) 5277-5791 / 5277-58888 / 5515-

1910; Fax (52-55) 5271-6172, correo electrónico: CooperacionTecnica@ipgh.org / <http://www.ipgh.org>

**Also listed under Pan American Institute of Geography and History (PAIGH)*

INSTITUTO POLITÉCNICO NACIONAL

**CENTRO DE INVESTIGACIÓN EN COMPUTACIÓN
LABORATORIO DE PROCESAMIENTO
INTELIGENTE DE INFORMACIÓN
GEOESPACIAL**

FECHA DE FUNDACION: 1996

PROGRAMAS DE ESTUDIO: Maestría, Doctorado

CONTACTO PARA PROGRAMA DE POSGRADO: Dr.

Miguel Jesús Torres Ruiz, mtorres@cic.ipn.mx; Dr.

Oscar Camacho Nieto, oscarc@cic.ipn.mx

SITIO WEB: <http://geo.cic.ipn.mx>

PARA PEDIR UN CATÁLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: MARCO ANTONIO MORENO IBARRA, JEFE DEL LABORATORIO, México, D.F., Teléfono: 52-55-57296000 ext 56528, Fax: 52-55-57296000 ext 556607, marcomoreno@cic.ipn.mx

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: Se imparten programas de maestría y doctorado en Ciencias de la Computación, los miembros del laboratorio trabajan en GIS y de forma específica en el área de procesamiento semántico de datos geográficos, en problemas relacionados con la recuperación de información, integración de fuentes de datos, entre otros. Los programas de maestría y doctorado fueron evaluados por el Consejo Nacional de Ciencia y Tecnología (CONACYT), y pertenecen al Programa Nacional de Posgrados de Calidad, en donde ostentan la categoría de Programa de Competencia Internacional y Programa Consolidado. Se busca que los estudiantes desarrollen trabajos que tengan aplicación directa en la resolución de un problema real, además participan en proyectos de investigación aplicada, lo cual les da experiencia para su desarrollo profesional. Los egresados pueden desempeñarse tanto en el sector industrial como educativo, o bien, son aptos para continuar sus estudios. Por el perfil del posgrado en computación, los egresados pueden adaptarse con facilidad a diferentes áreas. Los estudiantes trabajan ya sea en el laboratorio o bien en cubículos, en donde cuentan con el equipo necesario para realizar su investigación. El edificio es cómodo y cuenta con las facilidades necesarias. Adicionalmente, el laboratorio recibe estudiantes de ingeniería para realizar servicio social o tesis de grado.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: Para ingresar a los programas de posgrado los

estudiantes participan en procesos de admisión, que consisten en examen de conocimientos, examen de inglés y entrevista. Por la naturaleza de los programas requieren que los estudiantes estén graduados ya sea de ingeniería o maestría según corresponda. Los planes de estudios son enfocados a computación, sin embargo los estudiantes tienen accesos a los cursos que imparte el laboratorio: fundamentos de la ciencia de la información geoespacial, diseño e implementación de bases de datos geoespaciales, herramientas para el diseño e implementación de GIS, métodos de geo pronóstico, análisis espacial aplicando técnicas de inteligencia artificial y percepción remota. En el caso de la maestría los estudiantes cursan 4 materias de tronco común (teoría de la computación, matemáticas discretas, programación avanzada y sistemas operativos). Además cuatro cursos optativos, que dependen del tema de tesis que desarrolle el estudiante. Los estudiantes admitidos al posgrado tienen derecho a solicitar un

apoyo por parte del CONACYT, adicionalmente el IPN otorga becas, por lo que cada estudiante tiene derecho a un apoyo económico, además existe en el Instituto un programa de formación de investigadores en el que los alumnos pueden acceder a un apoyo económico complementario.

PROFESORADO

José Giovanni Guzmán Lugo, Dr., Procesamiento digital de imágenes, Web mapping

Marco Antonio Moreno Ibarra, Dr., Generalización, Similitud Semántica, Diseño de GIS

Miguel Jesús Torres Ruiz, Dr., Diseño de ontologías, Bases de datos espaciales

Rolando Quintero Téllez, Dr., Procesamiento semántico de datos raster, ambientes virtuales

PAN AMERICAN INSTITUTE OF GEOGRAPHY AND HISTORY

DATE FOUNDED: February 1928

SECRETARY GENERAL: Rodrigo Barriga-Vargas

STRUCTURE AND ORGANIZATION: The organization structure of the PAIGH is: General Assembly, Directing Council, Meeting of Officers, General Secretariat, Commissions on Cartography, Geography, History and Geophysics, and National Sections. (i) The General Assembly is the supreme organ of the PAIGH and determines the Institute's scientific, administrative and financial policies. (ii) The Directing Council is the Pan American organ of the PAIGH which is entrusted with the functions of the General Assembly during the intervals between meetings of the latter. (iii) Meeting of Officers is the organ that directs and coordinates the Institute's activities between the Meetings of the Directing Council. (iv) The General Secretariat is the PAIGH's central and permanent organ responsible for administration, coordination of organ activities, providing the necessary assistance for the proper functioning of said organs, execution of the tasks entrusted to it and ensuring compliance of the agreements adopted for the smooth functioning of the PAIGH. The Secretary General represents the PAIGH. (v) The Commissions are the organs entrusted with promoting the scientific and technical development of their respective fields of action in the Member States. They are also responsible for coordinating, encouraging and supervising projects and other agreements involving research approved by the General Assembly or the Directing Council. There are four Commissions: Cartography, Geography, History and Geophysics, which are subdivided into Committees and Working Groups. (vi) The National Sections are entities established by each Member State, whose role is to fulfill the objectives of the PAIGH in the sphere of their respective countries.

OBJECTIVES: (i) To encourage, coordinate, and publicize cartographical, geographical, historical, and geophysical studies, as well as other related scientific studies of interest to the Americas. (ii) To promote and coordinate scientific and technical development, research, relations among institutions and specialists, studies and training in cartography, geography, history and geophysics. (iii) To promote and stimulate cooperation among the specialized institutions of the Americas and international organizations in its four fields of activity.

MEMBER STATES: Only American states may be full members of the PAIGH. The countries of other continents may request to be Permanent Observers. The PAIGH's 21 Member Countries are: Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, United States of America, Uruguay and Venezuela. The Permanent Observers are: France, Israel, Jamaica and Spain.

TRAINING AND FELLOWSHIPS: Through its Commissions, PAIGH offers a wide range of courses, workshops and conferences, directed to specialists and professionals in the areas of interest of the Institute, and in general to other professionals interested in those fields.

TECHNICAL-SCIENTIFIC PROGRAM: The objective of the PAIGH's Technical Assistance Program is the implementation of specialized actions contributing to regional integration and sustainable development in specific subjects: climate change, territorial ordering and natural disasters.

FURTHER INFORMATION: PAIGH General Secretariat, Ex Arzobispado 29, Colonia Observatorio, México, D.F., Telephones (52-55) 5277-5791 / 5277-58888 / 5515-1910. Fax (52-55) 5271-6172 / E-mail: CooperacionTecnica@ipgh.org / <http://www.ipgh.org>.

**Also listed under Instituto Panamericano de Geografía e Historia (IPGH)*

UNIVERSIDAD AUTÓNOMA DE CIUDAD JUÁREZ

**URBAN STUDIES Ph.D. PROGRAM
PLANNING AND URBAN DEVELOPMENT M.A.
PROGRAM**

**GEOINFORMATICS B.S. PROGRAM
DEPARTMENT OF ARCHITECTURE
INSTITUTE OF ARCHITECTURE DESIGN AND ARTS
DATE FOUNDED: 1989**

DEGREES OFFERED: Ph.D. in Urban Studies, M.A. in Planning and Urban Development, and B.S. in Geoinformatics. Major Area: Geoinformatics, Urban Planning, Urban and Architectural Space, City and Urban integration processes, Urban territorial analysis.

**URBAN STUDIES Phd. PROGRAM HEAD: Dr. Salvador Salazar Gutiérrez. Email: salvador.salazar@uacj.mx
Web: <http://www.uacj.mx/IADA/DARQ/DEU/Paginas/default.aspx>**

**PLANNING AND URBAN DEVELOPMENT M.A.
PROGRAM HEAD: Dr. Vladimir Hernández Hernández. Email: vladimir.hernandez@uacj.mx
Web: <http://www.uacj.mx/IADA/DARQ/MPDU/Paginas/default.aspx>**

GEOINFORMATICS B.S. PROGRAM HEAD: Dr. Luis Carlos Alatorre Cejudo. Email: luis.alatorre@uacj.mx Web: <http://www.uacj.mx/IADA/DARQ/LG/Paginas/default.aspx>

DEPARTMENT ADMINISTRATOR: Dr. Elvira Maycotte Pansa

DIRECTOR OF THE INSTITUTE: Dr. Erick Sánchez Flores

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Departamento de Arquitectura, Instituto de Arquitectura Diseño y Arte Av. del Charro # 410 N. Ciudad Juárez, Chih. 32310, México Telephone: +52 656 688 4820, ext. 4785, 4586, 4823. Fax: +52 656 688 4620.

Geoinformatics B.S. Program. Km. 3.5 Carretera Anáhuac S/N. Col. Ejido Cuauhtémoc, Anáhuac, Municipio de Cuauhtémoc, Chih. C.P. 31600, México. Telephone: +52 625 116 4131 ext. 106. Email: luis.alatorre@uacj.mx. Web: <http://www.uacj.mx/SC/Paginas/Lic.-en-Geoinform%C3%A1tica.aspx>

PROGRAMS AND RESEARCH FACILITIES: The Department of Architecture offers a vertical set of Geography related programs, starting at the B.S. level with the Geoinformatics program open in August, 2009. This B.S. sets the basis for strong spatial curricula from a geotechnology perspective to feed our graduate programs. At the M. A. level it offers the Planning and Urban Development program with a major area in Urban Spatial Analysis and recognized by National Census of Graduate Programs (PNPC) of CONACyT. This was the first graduate program at UACJ, operating since 1989 and source of the Geographic Information Center created in 1993. At the Ph.D. level, the Department offers the Urban Studies program open in January 2010, and also recognized by PNPC, offering the same Geography related major area in Urban Spatial Analysis available at the M.A. To support the academic and research activities of these programs, the Department has the Urban Territorial Analysis Laboratory (LAUT) equipped with specialized hardware, GIS, statistics, and Remote Sensing software for all the projects with a spatial component. The advantages of this geotechnological platform are also used in the learning process of grad and undergrad students, professors and research specialists visiting the UACJ. This infrastructure supports research in urban and environmental studies, including projects in remote sensing groundwater exploration; watersheds characterization with high resolution Lidar DEMs; GIS landscape units characterization, high resolution remote sensing urban growth monitoring; GIS urban planning applications; land ordinance programs based on geospatial technologies; and land use/cover change in urban and rural environments.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The Urban Studies Ph.D. is a 6-semester program offering three major areas: 1. Urban and architectural space, 2. City and urban integration processes, and 3. Urban territorial analysis. Within each of these specialization areas, students can choose from an ample variety of research themes, representing the research interests of faculty. The study plan is organized in two levels. The first three semesters consists of research, interdisciplinary, and specialized seminars. The remaining three semesters focus on research seminars to complete the thesis work on individual schedules. Students have to take an external research or specialized seminar at a similar program in a national or international institution. This program is open for applications every two years. Admission requirements include, among others, a research proposal in any of the major areas offered in the program, which has to be presented at a selection meeting with the Academic Committee. Selection of applicants is based on the quality of research proposal and commitment of full time dedication.

The Planning and Urban Development M.A. is a 4-semester program, which offers a complete set of courses in three major areas: 1. Urban design and housing, 2. Urban structure and mobility, and 3. Geospatial analysis for land ordinance. Applications are accepted on a yearly basis. Admission requirements include, among others, passing a preliminary set of short courses in preparation for the beginning of the program, a statement of intention specifying the proposed subject for the thesis, and an interview with the Academic Committee. As a PNPC programs, both MPDU and DEU offers CONACyT scholarships and UACJ registration discounts for full time students.

The B.S. program in Geoinformatics offers a strong curriculum in spatial analysis, based on four horizontal thematic axes: 1. Geographic Information Systems, 2. Remote Sensing, 3. Programming, and 4. Geostatistics. This B.S. is an 8-semester program accepting applications from students in architecture, geography, engineering, and other related disciplines. The UACJ has a comprehensive set of scholarships for students with excellent GPA at the bachelor level.

FACULTY:

Alatorre Cejudo, Luis Carlos. Coordinator of the Bachelor of Geoinformatics. Ph.D. Territorial Order and Environment, Universidad de Zaragoza, Spain—Remote Sensing, Global Change, Hydrology and Geomorphology

Argomedo Casas, Miguel Ángel. Planning and urban theories, Universidad Autónoma de Ciudad Juárez

Bravo Peña, Luis Carlos. Centro de Investigación en Alimentación y Desarrollo A.C., Mexico—Landscape dynamics, land suitability, land ordinance, Land use land cover change

Chávez, Javier. University of Arizona, U.S.—Urban development, GIS analysis, Demography

Granados Olivas, Alfredo. New Mexico State University, U.S.—RS-GIS for hydrology and geology, Groundwater research, Soil mapping, Precision agriculture

Gutiérrez Casas, Luis Enrique. Universidad Complutense de Madrid, Spain—Urban and regional economy, Urban planning

Hernández Hernández Vladimir, D. El Colegio de la Frontera Norte, México—Urban geography, Urban mobility.

Llera Pacheco, Francisco Javier. University of Arizona, U.S.—Economic geography, Urban administration, Economic development, Mexico-US border communities

Maycotte Pansza, Elvira. Universidad Autónoma de Colima, Mexico—Architecture, Housing, Urban development, Public urban space

Moreno Murrieta, Ramón. El Colegio de Sonora, Mexico—Urban sociology, Housing, Public urban space

Rivero Peña, Héctor. Universidad Politécnica de Catalunya, Spain—Urban processes, Urban design, Housing

Rodríguez Sosa, Marisol. Universidade Federal do Rio de Janeiro, Brasil—Urbanism and planning theory, Urban public space, Urban cultural landscape

Rojas Villalobos, Hugo Luis. Universidad Autónoma de Ciudad Juárez—Water Sciences and Management, Water Informatics, Computer Systems, Geoinformatics, Environmental sciences

Salazar Gutiérrez, Salvador. Instituto Tecnológico y de Estudios Superiores de Occidente, Mexico—Urban sociology, Urban culture

Sánchez Flores, Erick. University of Arizona, U.S.—GIS-RS of natural human environments, Land use land cover change monitoring, Environmental Geography.

Torres Olave, María Elena. CIMAV, Mexico—Biodiversity, Species distribution models, biology and natural resources.

Complementary Staff: faculty from other areas within the UACJ and from peer institutions in the U.S. southwest region and Mexico participate in our academic programs.

UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

FACULTAD DE CIENCIAS SOCIALES Y HUMANIDADES

FECHA DE FUNDACION: Agosto de 2002 (Cambio de estatus 30 de mayo de 2014)

PROGRAMAS DE ESTUDIO: Licenciatura en Geografía

CONTACTO PARA PROGRAMA DE PREGRADO: Dr. Oscar Reyes Pérez, osrp@uaslp.mx

SITIO WEB:

<http://www.uaslp.mx/Spanish/Academicas/ecsh/OFE/Geografia/Paginas/default.aspx>

Otro: <http://www.geografiauaslp.com/>

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Dr. Oscar Reyes Pérez, Coordinador de la licenciatura en Geografía, San Luis Potosí, México, Teléfono: 52-444-832 1000; Ext. 9231, osrp@uaslp.mx

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: En la licenciatura en Geografía que se imparte en la Universidad Autónoma de San Luis Potosí podrás aprender a estudiar cómo poder organizar nuestro territorio de la manera más armónica, eficiente y ambientalmente sostenible, a ejecutar estudios de localización de puntos (centros comerciales), líneas (carreteras) o áreas (zonas con riesgo de inundación, incendios, terremotos) en un determinado territorio, así como a expresar tus hallazgos en mapas elaborados mediante el uso de software especializado que son los Sistemas de Información Geográfica. Para ingresar debes tener curiosidad geográfica, es decir, interés en la observación de lugares, capacidad para sintetizar e interpretar datos de procesos naturales y sociales, aptitud física e interés por viajar y explorar lugares en México y otras regiones del mundo, habilidades para el trabajo cartográfico, familiaridad en el uso de equipos de cómputo; curiosidad intelectual por conocer los patrones de organización territorial de procesos naturales y sociales; hábito de lectura e interés por el trabajo científico multidisciplinario, así como respeto a la sociedad, la diversidad cultural, social y étnica. Al concluir tus estudios profesionales habrás adquirido conocimientos suficientes para describir y analizar las diferentes formas de organización territorial de la sociedad en un mundo globalizado y proponer soluciones metodológicas a problemas territoriales; conocerás las teorías y metodologías geográficas para entender y explicar el comportamiento territorial de las sociedades. Tendrás las habilidades para describir e interpretar los distintos procesos de organización espacial de la sociedad que conforman paisajes y regiones geográficas definidas, así como para operar software especializado de cómputo y de Sistemas de Información Geográfica, que facilitan la elaboración de mapas y el procesamiento de datos bajo criterios espaciales. Además contarás con capacidades para generar, resguardar e interpretar datos básicos de los sistemas naturales sociales y económicos para formular visiones sintéticas de los paisajes o regiones geográficas; para representar cartográficamente diferentes tipos de datos; la capacidad para proponer soluciones ecológicamente sostenibles de orden territorial a problemas derivados de una desequilibrada relación entre la sociedad, la naturaleza y la economía, como el cambio climático, el uso y la degradación de los recursos naturales como resultado de la actividad humana, la pérdida de la biodiversidad y los desastres naturales; también podrás realizar evaluación crítica para formular y mejorar programas de asignaturas, textos y otros materiales utilizados para la enseñanza de la geografía. Como geógrafo puedes trabajar en instituciones públicas y privadas de investigación, planeación, gestión territorial y consultorías de proyectos; instituciones de gobierno, asociaciones civiles no gubernamentales que requieran asesoría y servicios profesionales en proyectos cartográficos y sistemas de información geográfica; agencias de viajes, bancos y empresas privadas; instituciones educativas públicas o privadas en los niveles básico, medio, medio superior, superior y posgrado.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: Los requisitos que debes cumplir para ingresar a la licenciatura en geografía son: certificado que acredite haber terminado íntegramente los estudios de nivel medio superior en cualquiera de las siguientes modalidades: Bachillerato en Ciencias Socio-administrativas, Físico –matemáticas o químico biológicas, Bachillerato General o único, Bachillerato tecnológico en el área correspondiente y aprobar el examen de admisión, que consta de evaluaciones en materia de salud, psicométrica, de conocimientos y CENEVAL. La licenciatura en geografía tiene una duración de 9 semestres, en los que cursarás 42 materias obligatorias y 5 optativas que están organizadas en cuatro áreas; teórica, metodológica, específica y de contextualización, que combinan la teoría con la práctica de campo, lo que te permitirá conocer y entender mejor las relaciones del medio ambiente con la sociedad de San Luis Potosí, de México y el mundo; además dentro del plan de estudios ya están contemplados tu servicio social y la elaboración del trabajo de titulación; algunas materias optativas te permiten convivir con gente de otras licenciaturas ya que las puedes cursar en cualquier facultad o escuela de la Universidad Autónoma de San Luis Potosí. Todos los

profesores cuentan con doctorado y están en constante actualización, tanto en modelos educativos, como en sus áreas de especialización respectivas.

PROFESORADO:

Álvaro Gerardo Palacio Aponte, Profesor Investigador de Tiempo Completo, Doctor en Geografía por la Universidad Nacional Autónoma de México
Carlos Alfonso Muñoz Robles, Profesor Investigador de Tiempo Completo, Doctor en Ciencias por la School of Environmental and Rural Sciences, University of New England, Australia
Carlos Contreras Servín, Profesor Investigador de Tiempo Completo, Doctor en Geografía por la Universidad Nacional Autónoma de México
María Guadalupe Galindo Mendoza, Profesora Investigadora de Tiempo Completo, Doctora en Geografía por la Universidad Nacional Autónoma de México
Humberto Reyes Hernández, Profesor Investigador de Tiempo Completo, Doctor en Geografía por la Universidad Nacional Autónoma de México
Javier Fortanalli Martínez, Profesor-Investigador de Tiempo Completo, Doctor en Ciencias Agropecuarias por la Universidad Autónoma de San Luis Potosí
María Teresa Ayllón Trujillo, Profesora Investigadora de Tiempo Completo, Doctora en Geografía e Historia por la Universidad Complutense, Madrid
Miguel Aguilar Robledo Profesor Investigador de Tiempo Completo Doctor en Geografía, Universidad de Texas, Austin (USA)
Oscar Reyes Pérez, Profesor Investigador de Tiempo Completo, Doctor en Geografía por la Universidad Nacional Autónoma de México
Valente Vázquez Solís, Profesor Investigador de Tiempo Completo, Doctor en Geografía por la Universidad Nacional Autónoma de México

UNIVERSIDAD AUTÓNOMA METROPOLITANA, CAMPUS IZTAPALAPA

COORDINATION OF HUMAN GEOGRAPHY PROGRAM

DATE FOUNDED: 2002

DEGREES OFFERED: B.A. in Human Geography; M.A. and Ph.D. are under construction.

MAJORS: City And Culture; Environmental Studies; Regional And Economic Geography

HEAD: Dra. Alicia Lindón

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Coordinadora de la Licenciatura en Geografía Humana, Dra. Alicia Lindón, Universidad Autónoma Metropolitana Unidad Iztapalapa, San Rafael Atlixco, 186, edificio H, Colonia Vicentina, Delegación Iztapalapa, CP 09340 México DF. Phone: (52-55) 5804 6466. FAX 5804- 4789. E mail: alicia.lindon@gmail.com. Information also available on www.uam.mx.

PROGRAMS AND RESEARCH FACILITIES: Faculties members develop research programs in different fields all oriented to human geography. Students are invited to participate in research program directed by faculties; Human Geography Laboratory facilities are opened to geography students, including GIS, qualitative methods, etc.; distance education will be developed soon.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The new program started on September-December on a trimester base; inscriptions to general admission exam are annual during March and July; the 12 trimester program will open each September; normal trimester consider 4 to 5 courses of 4 weekly hours each from 8am to 2 pm; foreign language are offered as obligatory courses since trimester 4th (English and French); after trimester 8th, students will choose one of 3 majors called "Integration Edges": city and culture; regional and economic geography; environmental studies; optional courses can be taken in different schools, as engineering, biology, other social science disciplines, etc. Financial aid available through official programs (UAM-Federal Ministry of Education)

FACULTY (Basic Staff):

Federico Besserer, Ph.D., University of California, Santa Cruz, USA—cultural studies, cultural geography, transnationalism
Mario Bassols, Ph.D., National Autonomous University of Mexico (UNAM), Mexico—urban geography, environmental studies
Daniel Hiernaux, Head, Ph.D., University of La Sorbonne, France—economic geography, cultural and urban geography, epistemology of geography
Alicia Lindón, Ph.D., El Colegio de México, México—epistemology of geography, cultural geography, urban studies
Rocio Rosales, Ph.D., National Autonomous University of Mexico (UNAM) — economic geography, urban geography, quantitative methods
Ludger Brenner, Ph.D., Universität Trier—geography
Pedro Smyer, Ph.D., Universidad de Barcelona, España—geography and history
Martín Checa-Artasu, Doctor, Ph.D., Universidad de Barcelona, España—human geography
Carlos Mario Yory García, Ph.D., Programa Territorio y Sociedad, Universidad Complutense de Madrid, España—human geography
Miguel Ángel Aguilar, Ph.D., Universidad Autónoma Metropolitana, Iztapalapa—anthropological science

COMPLEMENTARY STAFF:

Various faculties from different disciplines are working on a partial time basis; orientations are: social psychology, cartography, GIS and remote sensing, anthropology, sociology, history, economy, all related with the program's main human geography orientation. Some foreign teachers will be integrated temporary for specific teaching and research activities.

UNIVERSIDAD DE GUADALAJARA

DEPARTAMENTO DE GEOGRAFÍA Y ORDENACIÓN TERRITORIAL

DATE FOUNDED: 1980

DEGREES OFFERED: Licenciatura en Geografía y Maestría en Desarrollo Local y Territorio

GRANTED HEAD: Carlos Suarez Plascencia, M. C.

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Departamento de Geografía y Ordenación Territorial, Centro Universitario de Ciencias Sociales y Humanidades de la Universidad de Guadalajara, Av. De los Maestros y Mariano Bárcena CP 44260, Guadalajara, Jalisco, México. Tel. y fax (33) 3819-3381 y 3819-3386. E-mail geografia.extension@csh.udg.mx Página web www.geografia.cucsh.udg.mx

PROGRAMS AND RESEARCH FACILITIES: El plan de estudios de licenciatura responde a las condiciones actuales del conocimiento

geográfico y a la problemática que afecta a los territorios especialmente de Jalisco y del Occidente de México. Asimismo, este plan tiene como referente teórico la educación basada en competencias profesionales; con este enfoque se forma a los alumnos desde una perspectiva amplia y se olvida de una especialización muy concreta. Se ofrecen los conocimientos básicos para desarrollar destrezas y habilidades que les permitan desempeñarse laboralmente en las áreas que el desarrollo económico de los territorios y las nuevas tecnologías demandan, como son: la detección de riesgos ambientales, la representación cartográfica, los sistemas de información geográfica, el ordenamiento territorial, la conservación de los recursos, la calidad de vida y el desarrollo sustentable, entre otros. El objetivo principal de la Maestría es formar profesionistas expertos en analizar, gestionar y ofrecer soluciones a los problemas derivados del desarrollo local en su relación con territorios específicos, así como de la dinámica del desarrollo territorial, en la construcción de escenarios actuales y futuros

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: La Licenciatura en Geografía inició en marzo de 1980. El plan de estudios opera en sistema semestral de créditos y con el enfoque de competencias profesionales. Entre las competencias se tienen cuatro: Cartografía, Investigación, Gestión del Territorio y Docencia. La Maestría inició en 2000, trabaja con un programa escolarizado, tutorial y generacional, mismo que tiene una duración de cuatro semestres (2 años), con énfasis en desarrollo en sociedades locales, regionalización, planificación estratégica y territorio. Consultar requisitos de admisión en la página: www.escolar.udg.mx

FACULTY:

Andrzej Zeromski-Kaczmarek, Doctor, Academia de Ciencias de Polonia, 1981, Profesor-Investigador titular "C"—geografía humana, desarrollo sustentable, ordenamiento territorial
Luis Felipe Cabrales Barajas, Doctor, Universidad Complutense de Madrid, 1996, Profesor-Investigador titular "C", Perfil Promep, Investigador Nacional Nivel I—ordenamiento territorial, segregación urbana, estudios de aspectos sociales y funcionales de centros históricos, desarrollo local y regional
Heriberto Cruz-Solís, Doctor, Universidad de Alcalá, España, 1998, Profesor-Investigador titular "C", Perfil Promep, Investigador Nacional Nivel I—geotecnologías, suelo, vivienda y derecho de propiedad.
Lucía González-Torres, Doctora, Universidad de Guadalajara, 2010, Profesor-Investigador titular "A", Perfil Promep—turismo sustentable, desarrollo local
Raúl Acevedo-Rosas, Doctor, Instituto de Ecología, A. C., 2003, Perfil Promep, Profesor-Investigador titular "A" Investigador Nacional Nivel I—biogeografía y sistemática vegetal
José de Jesús Torres Contreras, Doctor, Colegio de Jalisco, 2007, Profesor-Investigador titular "C"—políticas públicas y marginación entre los pueblos étnicos
Hirineo Martínez-Barragán, Doctor, Universidad de Guadalajara, 2011, Profesor-Investigador titular "B", Perfil Promep—límites territoriales.
Katía Magdalena Lozano-Uvario, Doctora, Universidad Nacional Autónoma de México, 2010, Profesor-Investigador titular "B", Perfil Promep—desarrollo local y sistemas productivos, geografía económica
Carlos Suárez-Plascencia, candidato a Doctor, Centro de Investigación Científica y de Educación Superior de Ensenada, Profesor-Investigador titular "B"—riesgos
Elba Lomeli-Mijes, candidata a Doctora, Universidad del Valle de Atemajac, Profesor-Investigador titular "B"—educación
Javier Rentería Vargas, candidato a Doctor, El Colegio de Jalisco, Profesor de carrera titular "B"—planificación urbana y regional, ordenación del territorio, geografía electoral y teoría de la geografía

- Pedro Méndez-Guardado, candidato a Doctor, Universidad de Guadalajara, Profesor-Investigador titular "B", Perfil Promep—ecología, manejo de recursos naturales, economía ambiental, ambiente y desarrollo*
- Margarita Anaya-Corona, candidata a Doctora, Universidad Nacional Autónoma de México, Profesora-Investigadora Titular "B" Perfil Promep—estudios urbanos ambientales*
- María Teresa Rentería-Rodríguez, candidata a Doctora, Universidad Complutense de Madrid, Profesora-Investigadora asociado "A"—geografía social, participación de la sociedad en los procesos de ordenamiento territorial, geografía de la población*
- María Dolores Andrade-García, Maestra en Ciencias, Universidad de Guadalajara, 2005, Perfil Promep, Profesora-Investigadora Titular "A"—geografía de la salud y cartografía*
- Rosa María Sandoval-Sandoval, candidata a Doctora, Universidad de Guadalajara, 2004, Técnico-Académico asociado "C"—pedagogía y didáctica de la geografía*
- María del Rocío Castillo-Aja, estudiante de Doctorado, Universidad Nacional Autónoma de México, Perfil Promep, Profesor-Docente asociado "C"—riesgos, cartografía y sistemas de información geográfica*
- Rosalba Castañeda-Castro, estudiante de Doctorado, Universidad de Guadalajara, Profesor docente asociado "B"—docencia, antropológica social, ciencia de la educación, epistemología de la geografía*
- Mercedes Arabela Chong-Muñoz, estudiante de Doctorado, Universidad de Guadalajara, Profesora-Investigadora Titular "A"—antropología social*
- Mónica González-López, Maestría, Universidad de Alcalá, España, Profesora de asignatura—cartografía, sistemas de información geográfica, teledetección*
- Juan Pablo Corona Medina, Maestría en Ciencias, Universidad de Colima, 2005, Profesor-Docente—cambios de ocupación del suelo*
- Rosa Olivia Contreras-Urbe, Maestría, Universidad de Alcalá, España, Profesor de asignatura—sistemas de información geográfica, cartografía*
- Juan Gallardo-Valdés, Maestría, Universidad de Guadalajara, 2005, Profesor de asignatura—salud ambiental, salud pública, contaminación*
- Jesús Amezcua Castellanos, Maestría, Universidad de Guadalajara, 2005, Profesor Asociado "A"—urbanismo, planeación urbana, docencia de la geografía*
- Martín Vargas-Inclán, Maestría, Universidad de Guadalajara, 2005, Profesor- Investigador asociado "A", Perfil Promep—desarrollo local, suelos, geografía rural*
- J. Hildelgado Gómez- Sención, Maestría, Universidad de Guadalajara, 2006, Profesor-Investigador asociado "A"—desarrollo local y geografía rural*
- Fernando Zaragoza-Vargas, Maestría, Universidad de Alcalá, Profesor-Investigador asociado "A"—cartografía, teledetección, sistemas de información geográfica*
- Leticia Loza-Ramírez, Maestría en Ciencias, Universidad de Guadalajara, 2003, Profesor- Investigador titular "A"—climatología*
- Antonio González Salazar, Maestría en Ciencias, Universidad de Guadalajara, 2002, Profesor- Investigador titular "A"—climatología*
- Ruben Alfonso Rodríguez-Vera, Maestría, Universidad de Guadalajara, 2004, Perfil Promep, Profesor-Docente titular "C"Perfil Promep—desarrollo local y legislación territorial*
- José Antonio Amaro López, Maestría, Universidad de Guadalajara, 2010, Profesor-Docente Asociado "A", Perfil Promep—tecnologías de la información y la comunicación, geografía de la salud*
- Gustavo Saavedra de la Cruz, Maestría, Universidad de Guadalajara, 2004, Profesor-Investigador titular "A"—desarrollo local, riesgos y ordenamiento territorial*
- Armando Chávez-Hernández, Maestría, Universidad de Complutense de Madrid, Profesor-Investigador titular "A"—paisaje, ordenamiento territorial*
- Armando Juárez, Maestría en Ciencias, Universidad de Ciudad Juárez, 2004, Profesor-Investigador titular "A"—suelos*
- Ma. del Carmen Macías-Huerta, Maestría, Universidad Veracruzana, 1992, Profesor- Investigador titular "C", Perfil Promep—desarrollo regional*
- Federico Morales Graciano, Maestría, Universidad de Guadalajara, 2006, Profesor-Investigador asociado "A"—desarrollo local, geografía rural*
- Jaime Ramírez Ramírez, Maestría, Universidad de Guadalajara, 2007, Profesor de asignatura—educación, relaciones internacionales, comercio internacional y estudios sobre geografía*
- José Fernando Rico-Román, Maestría, Universidad de Guadalajara, Profesor-Investigador asociado "A"—educación*
- Juan de Dios Robles-Pastrana, Maestría, Universidad de Guadalajara, 2006, Profesor- Docente titular "A", Perfil Promep—Geografía de la Salud*
- Abel Hugo Ruiz-Velazco Castañeda, Maestría, Universidad de Guadalajara, 2004, Perfil Promep, Profesor-Investigador titular "B"—desarrollo local y procesos territoriales*
- María Evangelina Salinas-Escobar, Maestría, Universidad de Guadalajara, 2001, Profesor-Investigador titular "C", Perfil Promep—geografía de la población, ordenamiento y sustentabilidad ambiental, procesos territoriales*
- Luís Valdivia-Ornelas, Maestría en Ciencias, Universidad Nacional Autónoma de México, Profesor-Investigador titular "A"—geomorfología y riesgos*
- Guadalupe Quezada-Chico, Ing., Universidad de Guadalajara, 1993, Profesor-Investigador asistente "C"—suelos*
- Luz Alejandra Martínez-Castillo, Lic., Universidad de Guadalajara, Profesor de asignatura—cartografía*
- Julián Alberto Flores-Díaz, Ing., Universidad de Guadalajara, 2004, Profesor-Investigador asociado "C"—geología*

UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

COORDINACIÓN DEL PROGRAMA DE POSGRADO EN GEOGRAFÍA

FACULTAD DE FILOSOFÍA Y LETRAS – INSTITUTO DE GEOGRAFÍA

ESTRUCTURA ACTUAL DEL PROGRAMA DE POSGRADO EN GEOGRAFÍA APROBADA EN DICIEMBRE DE 1998

GRADOS QUE SE OTORGAN: Maestro en Geografía y Doctor en Geografía

ALUMNOS EN LA MAESTRÍA: 50

ALUMNOS EN EL DOCTORADO: 36

COORDINADORA ACTUAL: Dra. Laura Elena Maderey Rascón

ASISTENTE ACTUAL: Lic. Macario Arredondo Romero

**PARA MAYOR INFORMACIÓN Y SOLICITUD DE
CATÁLOGO ESCRIBIR A:** Coordinación del Programa del
Posgrado en Geografía. Facultad de Filosofía y Letras. Universidad
Nacional Autónoma de México (UNAM). Ciudad Universitaria, C. P.
04510. Delegación Coyoacán, D. F., México. Teléfono (5255) 55-50-
69-75. Correo electrónico: geografia@correo.posgrado.unam.mx
Internet: www.igeograf.unam.mx/posgrado/

PROGRAMA DE INVESTIGACION (My D): En la impartición de
los Programas de Maestría y Doctorado en Geografía figuran como

entidades participantes El Colegio de Geografía, el Instituto de Geografía y el Centro de Investigaciones en Geografía Ambiental (CIGA), todos de la Universidad Nacional Autónoma de México (UNAM).

La Maestría tiene tres campos de conocimiento vigentes y dos nuevos en proceso de aprobación. Los vigentes son Sociedad y Territorio, Ordenamiento Territorial y Geografía Ambiental y los nuevos, Manejo Integral del Paisaje (MIP, que se imparte en la sede del CIGA en la Ciudad de Morelia) y Geomática. El Plan de Estudios está formado por 14 cursos en promedio y 90 créditos en total. Hay variaciones entre los distintos campos de conocimiento, pues mientras que el del MIP se sigue un formato de cursos intensivos, en los otros campos de conocimiento los cursos son semestrales. Después de aprobar los cursos, se debe defender y aprobar una tesis ante un jurado de cinco sinodales pero existen otras modalidades de titulación, como la presentación de un examen de conocimientos, por Informe Académico y otros que están actualmente en revisión.

Por su parte, el Doctorado sigue un formato tutorial, en el cual el estudiante realiza una investigación bajo la supervisión de un tutor y un Comité Tutor con otros dos sinodales más. Para obtener el grado, se debe aprobar un examen de candidatura entre el cuarto y quinto semestre, publicar avances de la investigación en revistas indizadas o en capítulos de libro dictaminados y es factible realizar una estancia de investigación hasta por un año en otra institución nacional o internacional de prestigio, con el aval de su tutor. Por último, el doctorando defiende una tesis escrita ante un jurado formado por cinco sinodales de los cuales, dos son preferentemente externos al Programa.

En ambos casos, es deseable que el estudiante se incorpore a un proyecto de investigación que realice su tutor.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: El programa de Maestría se realiza en dos años y el de Doctorado en cuatro. La convocatoria de ingreso se publica a principios de cada año, el proceso de selección dura, aproximadamente tres meses y quienes son aceptados, inician sus estudios en el mes de Agosto del mismo año.

Los requisitos de admisión en Maestría son contar con un título en Geografía o disciplinas afines (Biología, Sociología, Ecología o Economía, entre otras), un promedio mínimo de ocho (8) o su equivalente en países que evalúan en una escala diferente del 1 al 10, presentar un protocolo de investigación, en el cual la dimensión geográfica del problema por investigar es relevante. El protocolo deberá estar avalado por un tutor del Posgrado, mismo que debe obtener dos de tres dictámenes positivos. También se debe aprobar un examen de conocimientos y una entrevista personal y presentar un examen psicométrico.

Para ingresar al Programa de Doctorado se requiere contar con un título de Maestría en Geografía o disciplinas afines, presentar y aprobar un protocolo de investigación avalado por un tutor del Programa y una entrevista personal y presentar un examen psicométrico.

En ambos casos, los aspirantes extranjeros, deberán realizar los trámites correspondientes ante el Instituto Nacional de Migración de la Secretaría de Relaciones Exteriores.

Los aspirantes que son aceptados en el Programa, son postulados para obtener una beca del Gobierno de México a través del Consejo Nacional de Ciencia y Tecnología (CONACYT) en donde se decide su otorgamiento. También existe la posibilidad de obtener becas complementarias para realizar una estancia corta de investigación en otros Programas de calidad, dentro o fuera del país, a través de CONACYT y de la propia UNAM.

TUTORES:

Aceves García, Mauricio, Maestro en Geografía, Fotointerpretación.
Aguilar Martínez, Adrián Guillermo, Doctor en Filosofía, University College, Universidad de Londres, Gran Bretaña, Geografía urbana y regional.
Aguirre Gómez, Raúl, Doctor en Ciencias, University of Southampton, Inglaterra, Percepción remota marina.
Alcántara Ayala, Irasema, Doctora en Filosofía, University of London, King's College London, Peligro, vulnerabilidad y riesgos.
Astier Calderón, Marta, Doctora en Ciencias Biológicas, UNAM, Facultad de Ciencias, Agricultura ecológica.
Bautista Zúñiga, Francisco, Doctor en Ciencias Biológicas, UNAM, Facultad de Ciencias, Geoquímica ambiental.
Bocco Verdinelli, Gerardo, Doctor en Ciencias Geográficas, Universidad de Ámsterdam, Geografía ambiental.
Bollo Manent, Manuel, Doctor en Geografía, Facultad de Geografía Universidad Estatal de Moscú, Geoecología del paisaje.
Burgos Tornadú, Ana Laura, Doctora en Ciencias Biológicas, Posgrado en Ciencias Biológicas. UNAM, Sistemas ambientales complejos.
Bustos Trejo, Gerardo, Doctor en Historia, UNAM, Geografía histórica.
Calderón Aragón, Georgina, Doctora en Geografía, UNAM, Geografía social.
Carrillo Rivera, Joel, Doctor en Filosofía, Universidad de Londres, Gran Bretaña, Hidrogeología.
Casado Izquierdo, José María, Doctor en Geografía, UNAM, Cartografía temática y ordenamiento territorial.
Chias Becerril, Luis, Doctor en Geografía, Université de Toulouse, Francia, Geografía del transporte.
Coll-Hurtado Oliva, María Francisca Atlántida, Doctora en Geografía, UNAM, Geografía histórica y económica de México.
Commons de la Rosa, Aurea Carlota, Doctora en Geografía, UNAM, Geografía histórica.
Correa Pérez, Genaro, Doctor en Geografía, UNAM, Geografía física y económica
Cram Heydrich, Silke, Doctora en Ciencias, Universidad Agrícola de Hohenheim, Stuttgart, Alemania, Contaminación y degradación de suelos.
De La Vía, Alejandra Larrazabal, Maestra en Información de suelos para el manejo de los recursos naturales, SIG participativo.
Delgado Campos, Genaro Javier, Doctor en Urbanismo, UNAM, Interfase urbano regional.
Echanove Huacuja, Flavia, Doctora en Ciencias Antropológicas, Universidad Autónoma Metropolitana, Geografía agrícola de México.
Espinoza Rodríguez, José Manuel, Maestro en Geografía, UNAM, Geografía ambiental, biogeografía y recursos naturales.
Fernández Christlieb, Federico, Doctor en Geografía, Université de Paris IV, Sorbonne, Paris, Francia, Geografía cultural.
Galicia Sarmiento, Leopoldo, Doctor en Ecología, UNAM, Ecología del paisaje.
García de León Loza, Armando, Maestro en Geografía, Geografía cuantitativa aplicada, análisis urbano y regional.
García Romero Arturo, Doctor en Geografía, Universidad Complutense de Madrid, España, Geoecología del paisaje.
Garibay Orozco, Claudio, Doctor en Ciencias Sociales, CIESAS, Paisajes mineros.
Garza Merodio, Gustavo Gerardo, Doctor en Geografía, Universidad de Barcelona, España, Geografía histórica.
Gómez Mendoza, Leticia, Doctora en Geografía, UNAM, Cambio climático y efectos en el ecosistema.
Gómez Rey, Patricia, Doctora en Geografía, UNAM, Geografía histórica.
Gómez Rodríguez, Gabriela, Maestra en Ciencias, UNAM, Prospección de recursos naturales mediante SIG y PR.
Gómez Rojas, Juan Carlos, Doctor en Geografía, UNAM, Agroclimatología y geografía cultural.

- Gutiérrez Vázquez, María Teresa, Doctora en Geografía, Universidad de París Soborna, Geografía urbana-regional.*
- Hernández Cerda, Ma. Engracia, Doctora en Ciencias, UNAM, Hidroclimatología.*
- Hernández Santana, José Ramón, Doctor en Ciencias Geográficas, Instituto de Ciencias, ex URSS, Geomorfología.*
- Ibarra García, Verónica, Doctora en Geografía, UNAM, Geografía política.*
- Jiménez Ortega, Jorge, Doctor en Geografía, Recursos naturales, Áreas Naturales Protegidas y actores sociales.*
- Juárez Gutiérrez, María del Carmen, Doctora en Geografía, UNAM, Geografía de la población.*
- Legerreta Paulín, Gabriel, Doctor en Geología, Universidad de Búfalo, USA, Peligro, vulnerabilidad y riesgos.*
- López García, José, Doctor en Ciencias con especialidad en Biología, UNAM, Geografía de la población y ambiente.*
- López Levy, Liliana, Doctora en Geografía, Geografía cultural.*
- López López, Álvaro, Doctor en Geografía, UNAM, Geografía de género.*
- Lugo Hubp, José Inocente, Doctor en Ciencias Geológicas, Universidad Estatal de Moscú, Lomonosov, Moscú, Geomorfología volcánica y antrópica.*
- Maderey Rascón, Laura Elena, Doctora en Geografía, UNAM, Hidrogeografía.*
- Martínez Luna, Víctor Manuel, Maestro en Geografía, Hidrogeografía, geografía física y geomorfología de cuencas pequeñas.*
- Mas Causel Jean Francois, Doctor en Ciencias Geográficas, Universidad Paul Sabatier, Toulouse, Francia, Percepción remota.*
- McCall Keith, Michael, Doctor en Geografía, Northwestern University, Evanston IL, USA, Mapeo participativo-SIG.*
- Mendoza Cantú, Manuel Eduardo, Doctor en Ciencias de la Tierra, UNAM. Instituto de Geofísica, Manejo de cuencas.*
- Mendoza Vargas, Héctor, Doctor en Geografía, Universidad de Barcelona, España, Geografía histórica.*
- Moncada Maya, José Omar, Doctor en Geografía, UNAM, Geografía histórica.*
- Morales Manilla, Luis Miguel, Maestro en Ciencias, Cartografía y SIG.*
- Morales, Jaime, Licenciado en Geografía, Estadística aplicada.*
- Navarrete Pacheco, José Antonio, Maestro en Ciencias de la Geo-información y Observación de la Tierra, Peligros y riesgos naturales.*
- Olivera Martínez, Patricia, Doctora en Geografía, UNAM, Geografía urbana.*
- Oropeza Orozco, Oralia, Maestra en Ciencias, Vulnerabilidad y riesgos naturales, Actores sociales.*
- Ortiz Álvarez, María Inés, Doctora en Geografía, UNAM, Geografía de la población.*
- Ortiz Pérez, Mario Arturo, Doctor en Geografía, UNAM, Geomorfología estructural.*
- Osorno Covarrubias, Javier, Maestro en Ciencias de la Computación, Ciencia y tecnología de la información geográfica.*
- Padilla y Sotelo, Lilia Susana, Doctora en Geografía, UNAM, Geografía de la población y del ambiente.*
- Palacio Prieto, José Luis, Doctor en Geografía, UNAM, Geomorfología ambiental.*
- Pensado Leglise, María de los Ángeles, Maestra en Geografía, UNAM, Geografía de la educación.*
- Priego Santander, Angel Guadalupe, Doctor en Ecología y Manejo de Recursos Naturales, Instituto de Ecología, Xalapa. Veracruz, México, Geoecología del paisaje.*
- Propin Frejomil, Enrique, Doctor en Filosofía, Universidad Karl Max, Leipzig República Democrática Alemana, Geografía económica.*
- Quintero Pérez, José Antonio, Maestro en Ciencias, Análisis Espacial, Infraestructura de datos espaciales.*
- Ramírez Herrera, María Teresa, Doctora en Ciencias Geológicas, The University of Edinburgh, United Kingdom, Dinámica y evolución del relieve.*
- Ramírez Ramírez, Isabel, Doctora en Geografía, Facultad de Geografía e Historia. Universidad Complutense de Madrid, Dinámica de la vegetación.*
- Reyna Trujillo, Teresa de Jesús, Doctora en Ciencias, UNAM, Biogeografía.*
- Salmerón García, Olivia, Maestra en Urbanismo, UNAM, Percepción remota y urbanización.*
- Sámamo Pineda, Carmen, Maestra en Geografía, UNAM, Geografía de la educación.*
- Sánchez Crispín, Álvaro, Doctor en Filosofía, Universidad de Londres, Gran Bretaña, Estructura territorial de la economía.*
- Sánchez Salazar, María Teresa, Doctora en Geografía, UNAM, Ordenamiento territorial.*
- Skutsch, Margaret, Doctora en Geografía, University of Twente in the Netherlands, Manejo forestal comunitario.*
- Suárez Lastra, Manuel, Doctor en Geografía, UNAM, Estructura urbana y transporte.*
- Urquijo Torres, Pedro Sergio, Maestro en Historia, Historia ambiental.*
- Vázquez Selem, Lorenzo, Doctor en Geografía, Universidad Estatal de Arizona, EUA, Geomorfología, geomorfología volcánica y dendrocronología.*
- Velásquez Montes, José Alejandro, Doctor en Ecología del Paisaje, Universidad de Amsterdam, Ecología del paisaje.*
- Vieyra Medrano, José Antonio, Doctor en Geografía, Facultad de Geografía e Historia. Universidad Complutense de Madrid, Geografía urbana.*
- Winton Ailsa, Margaret Anne, Doctora en Geografía, Universidad de Londres, Gran Bretaña, Geografía de la pobreza urbana y la vulnerabilidad social.*
- Zamorano Orozco, José Juan, Doctor en Filosofía, Universidad Estatal de Moscú, M.V. Lomonosov, Peligro, vulnerabilidad y riesgos.*
- Zavala Vaca, Hugo, Maestro en tecnologías de la información, SIG.*

UNIVERSIDAD AUTÓNOMA DEL ESTADO DE MÉXICO

FACULTAD DE GEOGRAFÍA

FECHA DE FUNDACION: 1970

PROGRAMAS DE ESTUDIO: Licenciatura, Maestría, Certificado

CONTACTO PROGRAMA DE POSGRADO: Rodrigo Huitrón Rodríguez, rhuitronr@uaemex.mx

CENTROS DE INVESTIGACION: Nodo de Innovación Geotecnológica Espacial

POSGRADOS OTORGADOS ANUALMENTE: 30

SITIO WEB: <http://facegeografia.uaemex.mx/FacGeo/>

URL DE PROGRAMA EN LINEA:

<http://facegeografia.uaemex.mx/FacGeo/posgrado.php>

PARA PEDIR UN CATÁLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Xanat Antonio Némiga, Coordinación de Estudios Avanzados, Toluca, Estado de México, Teléfono: 7222150255, Fax: 7222143182, xantonion@uaemex.mx

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: La Facultad de Geografía oferta dos programas de Postgrado: uno en el nivel Especialización y uno en el de Maestría. La Especialidad en Cartografía Automatizada, Teledetección y Sistemas de Información Geográfica (ECATSIG) tiene como objetivo "Formar especialistas en Tecnologías de la Información Geográfica, capaces de proponer, desarrollar y liderar proyectos que contengan aplicaciones

especializadas de Cartografía Automatizada, Teledetección y Sistemas de Información Geográfica para la solución de problemas concretos de carácter ambiental, tecnológico y socio-económico”. Es un programa intensivo de entrenamiento de carácter profesionalizante y modalidad presencial de un año de duración, abierto a especialistas de diferentes disciplinas que deseen adquirir el dominio de las tecnologías de la información Espacial. Para tal fin, la especialización cuenta con dos líneas de trabajo denominadas “Cartografía automatizada y teledetección, y Sistemas de Información Geográfica”. La titulación es inmediata al término de los estudios, mediante la presentación de un reporte técnico de aplicación de las Tecnologías. El coordinador del programa es el Dr. Noel Bonfilio Pineda Jaimes. Contacto: ecatsig@uaemex.mx Por su parte la Maestría en Análisis Espacial y Geoinformática (MAEG) tiene como objetivo “Formar maestros competentes de alta calidad para la caracterización, interpretación y explicación de las formas, estructuras y procesos que se manifiestan en el paisaje, bajo un enfoque sistémico mediante el uso y aplicación de la geoinformática, para generar diagnósticos, diseñar y aplicar propuestas de solución a los problemas surgidos en las diversas organizaciones territoriales”. Es un programa de Maestría Escolarizado y presencial de dos años de duración, abierto a egresados de Licenciaturas en geografía y especialidades afines, quienes deseen adquirir experiencia en el análisis del espacio geográfico y el uso de las geotecnologías para analizar y dar solución a problemas contemporáneos. El programa tiene tres líneas generales de investigación, que son: Análisis Espacial Socioeconómico, Análisis Espacial del medio físico y Geoinformática. La titulación es mediante la presentación y defensa de una tesis en un periodo no mayor a seis meses de la conclusión del programa académico. El coordinador del programa es el Dr. Rodrigo Huitrón Rodríguez. Contacto: rhuiron@uaemex.mx

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: Para ingresar a la Especialidad en Cartografía Automatizada, Teledetección y Sistemas de Información Geográfica, se requiere título de licenciatura en disciplinas que trabajen con análisis y gestión del territorio. Asimismo, la comisión académica dará prioridad a los candidatos que en sus áreas de trabajo estén relacionados con el uso, diseño o análisis de la cartografía automatizada, la teledetección y los sistemas de información geográfica. Es necesario presentar la documentación pertinente, asistir a una entrevista con el Comité Académico del programa y aprobar el curso de inducción. Mayores informes http://facgeografia.uaemex.mx/FacGeo/posgrado_ECATISGproc.php El programa consta de dos semestres; en los que se cursan materias de tres áreas académicas. En el área básica se incluyen: Adquisición de datos geoespaciales, Métodos de representación cartográfica, Diseño y estructuración de bases de datos, Introducción a los Sistemas de Información Geográfica, Desarrollo de aplicaciones geotecnológicas. En el área metodológica figuran: Cartografía Automatizada, Programación en ambiente de Sistemas de Información Geográfica, Estadística espacial y geoestadística, Taller de integración de reporte técnico, Tratamiento digital de imágenes satelitales, Documentación y calidad de datos geoespaciales, Análisis y modelación espacial en Sistemas de Información Geográfica, Proyecto terminal. En el área de aplicaciones se encuentra: Seminario de innovaciones geotecnológicas, Gestión de proyectos Geotecnológicos y formación humana, Taller optativo. Para ingresar a la Maestría en Análisis Espacial y Geoinformática se requiere presentar título de una licenciatura afín a las líneas de investigación del programa, presentar la documentación pertinente, asistir a una entrevista con el Comité Académico del programa y aprobar el curso de inducción así como los exámenes psicométricos y del idioma. Para mayores informes se sugiere consultar la página: http://facgeografia.uaemex.mx/FacGeo/posgrado_MAEGProc.php La estructura curricular de la Maestría está conformada por cincuenta asignaturas; de las cuales el alumno debe cursar y acreditar catorce en los cuatro semestres que dura el programa. Estas catorce asignaturas incluyen siete asignaturas de tronco común y siete optativas. Las materias se organizan en tres áreas académicas: básica, metodológica

y de aplicaciones. El objetivo del área básica es conocer y discutir los fundamentos teóricos tanto del análisis espacial en los ámbitos físico y socioeconómico, como de las bases de las tecnologías Geoinformáticas. El área metodológica tiene como objetivo capacitar al alumno en el manejo y aplicación de técnicas y métodos especializados para la realización de análisis espacial y el uso de las herramientas de la Geoinformática. Finalmente, el área de aplicaciones del conocimiento, centra su objetivo en que el alumno ponga en práctica los conocimientos adquiridos (básicos y metodológicos) y los aplique en problemáticas específicas para la caracterización, interpretación y explicación de las formas, estructuras y procesos que se manifiestan en el paisaje, dentro de la gama temática de la asignatura. Ambos programas se encuentran inscritos en el Padrón Nacional de Postgrados de Excelencia del Consejo Nacional de Ciencia y Tecnología, por lo que ofrecen becas para los alumnos que cumplan con los requisitos pertinentes.

PROFESORES ADSCRITOS A LOS PROGRAMAS DE POSTGRADO

- Doctor en Edafología Miguel Ángel Balderas Plata.* Contaminación y degradación de suelos, evaluación de tierras, levantamiento de suelos.
- Doctor en Geografía Luis Miguel Espinoza Rodríguez.* Geomorfología, geografía del paisaje y riesgos.
- Doctor en Ciencias Agropecuarias y Recursos Naturales Jesús Gastón Gutiérrez Cedillo.* Evaluación de la sustentabilidad, estudios agroecológicos y regionales, ordenamiento ambiental e impacto ambiental y social.
- Doctor en Antropología Social José Isabel Juan Pérez.* Análisis geográfico regional estudios agroecológicos y de sustentabilidad, impacto ambiental, ordenamiento ecológico, manejo de recursos naturales.
- Doctora en Sociología Rosa Silvia Arciniega Arce.* Globalización, Industria y Territorio, Mercados de Trabajo.
- Doctor en Geografía Juan Campos Alanís.* Problemas socioeconómicos espaciales, justicia espacial, equidad, marginación.
- Doctor en Geografía Fernando Carreto Bernal.* Geografía regional, geografía educativa, Agroecología.
- Doctor en Geografía Rodrigo Huitrón Rodríguez.* Geografía de las actividades terciarias y Geografía Económica.
- Doctor en Geografía José Francisco Monroy Gaytán.* Geoindustrial, Industria de Innovación y del conocimiento.
- Doctora en Derecho de la Empresa Elsa Mireya Rosales Estrada.* Capital humano y territorio.
- Doctora en Geografía Marcela Virginia Santana Juárez.* Geografía de la Salud.
- Doctor en Ingeniería Roberto Franco Plata.* Gestión Integrada del Agua y TIG.
- Doctor en Educación Bonifacio Doroteo Pérez Alcántara.* Educación, Temas Regionales, industria y Turismo.
- Doctor en Geografía Noel Bonfilio Pineda Jaimes.* Problemas Forestales aplicando Tecnologías de la Información Geográfica.
- Maestro en Ciencias Ambientales Leonardo Alfonso Ramos Corona.* Aplicación de las te Doctora en Manejo de Recursos Naturales
- Xanat Antonio Némiga.* Geoinformación para el manejo de recursos naturales.
- Maestra en Análisis Espacial y Geoinformática María Milagros Campos Vargas.* Aplicaciones geotecnológicas en SIG.
- Maestro en Ciencias del Agua Luis Ricardo Manzano Solís.* Gestión Integral del agua, desarrollo de aplicaciones en SIG.
- Doctor en Geografía Delfino Madrigal Uribe.* Geografía ambiental, geomorfología, biogeografía, ordenamiento territorial y Geoinformática.
- Doctor en Sociología Edel Cadena Vargas.* Geografía Económica y de la Marginación.
- Doctor en Geografía Emilio Baró Suarez.* Gestión de riesgos naturales y desastres.
- Dra. en Ciencias Sociales Brisa Violeta Carrasco Gallegos.* Geografía Urbana.

Ing. Sandra Lucía Hernández Zetina. Enseñanza y desarrollo de Tecnologías de la Información Geográfica. ECATSIG.
Lidia Alejandra González Becerril. Cartografía automatizada y diseño cartográfico. L. PUR.
Renata Juilliani Ruiz Gutiérrez. Planificación Urbana Regional y Geografía Industrial.
Maestra en Geografía Inocencia Cadena Rivera. Geografía de Género.
Maestro en Geografía Efraín Peña Villada. Geografía ambiental y Riesgos naturales.
Doctor en Educación Carlos Reyes Torres. Enseñanza de la Geografía, geografía rural.

NICARAGUA

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA, MANAGUA

UNAN – MANAGUA
RECINTO UNIVERSITARIO “RUBÉN DARÍO”
FACULTAD DE HUMANIDADES Y CIENCIAS
JURÍDICAS
DEPARTAMENTO DE GEOGRAFÍA
GRADO OFRECIDO: Licenciado en Geografía
DIRECTOR: Magister Lidia Cortés Castillo
E-MAIL: limacor2005@yahoo.com /
depto_geografia@unan.edu.ni

PROGRAMA DE LICENCIATURA EN GEOGRAFÍA

El departamento de Geografía como unidad académica perteneciente a la UNAN-Managua, brinda y aporta a la sociedad la formación de profesionales geógrafos los con capacidad para comprender, relacionar y aplicar los aspectos fundamentales de la ciencia geográfica, inculcando en ellos el compromiso social hacia el desarrollo y aplicación de valores éticos, morales, humanistas, en defensa y protección del medio ambiente, los que les permitirá la toma de decisiones adecuada para solucionar los problemas generados entre la relación hombre-naturaleza.

El Departamento de Geografía cuenta con un cuerpo docente que enseñan la Carrera de Geografía a nivel de Pregrado, Educación Continua y Posgrado, realizando investigaciones y extensión universitaria, tal como la consigna en la Misión y Visión de nuestra instituciones enfocamos en cinco líneas de investigación las cuales están dirigidas a:

- El estudio sobre los Potenciales Turísticos que presenta el Territorio Nacional.
- El análisis de las condiciones medioambientales de las localidades.
- Estudios sobre la problemática de la enseñanza y aprendizaje de la ciencia geográfica.
- Las condiciones socioeconómicas presentadas por las poblaciones urbanas y rurales de Nicaragua.
- El Aspecto Físico –Geográfico de las diferentes regiones del país.
- Estudio sobre el espacio geográfico y el ordenamiento territorial nicaragüense.

El Perfil del Licenciado en Geografía comprende las siguientes competencias profesionales:

- Geógrafo-Investigador

- Capacitador Geográfico
- Promotor para la Protección y Conservación del Medio Ambiente
- Promotor de la prevención de Catástrofes Naturales y Sociales
- Planificador y Ordenador Territorial
- Formulator y Evaluador de Proyectos
- Gestor del Desarrollo Comunitario
- Planificador y Gestor de los Sistemas de Información Geográfica

PROFESORES

Claustro Docente que Integran el Departamento de Geografía de la UNAN – Managua.

Cortés Castillo Lidia María, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Didáctica Especial, U.A.B. España.

Brenes Cano Francisca Amparo, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Población y Medio Ambiente, U.A.B. España.

Álvarez Ponce Socorro, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Didáctica Especial, U.A.B. España.

Delgado Alemán Dimas Antonio, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Metodología de la Investigación, U.A.B. España.

Picado Juárez Eduardo, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Medio Ambiente, U.A.B. España.

Dávila José Ramón, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Didáctica Especial, UNAN - Managua.

Rivas Rivas Enrique Ernesto, Licenciado en Geografía UNAN – Managua.

Mena García Bertha Adilia, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría de Ciencias en Geografía, WKU-USA, Western Kentucky, University.

Urbina Bravo Miguel Ángel, Licenciado en Ciencias Sociales, UNAN – Managua, Doctor en Geografía, Universidad Catalana, Barcelona España.

Jirón García Alfonso, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Metodología de la Investigación, U.A.B. España.

Alonso Duarte Rodrigo, Licenciado en Ciencias Sociales, UNAN – Managua, Especialidad en Meteorología.

PANAMÁ

UNIVERSIDAD AUTONOMA DE CHIRIQUE

FACULTAD DE HUMANIDADES
DEPARTAMENTO DE GEOGRAFÍA
FUNDADO EN: 1974

DIRECTOR: Magister RODRIGO MARTÍNEZ

PARA MAYOR INFORMACIÓN: Magister Rodrigo Martínez, Universidad Autónoma de Chiriquí, Facultad de Humanidades, Departamento de Geografía, Estafeta Universitaria, República de Panamá, Provincia de Chiriquí, Ciudad de David Teléfonos (507) 774-5194, Extensión 111, Correo Electrónico: rodmart1@hotmail.com.

LICENCIATURAS: Licenciatura en Geografía e Historia, Licenciatura en Recursos Naturales, Licenciatura en Turismo con dos énfasis: 1) Turismo Ecológico, 2) Turismo en Hotelería y Restaurante

MAESTRÍAS: Maestría en Geografía, Maestría en Recursos Naturales, Maestría en Turismo

PROGRAMA DE LICENCIATURA EN GEOGRAFÍA E HISTORIA

Director Magíster Rodrigo Martínez

Esta carrera ofrece las bases para obtener una clara comprensión del medio geográfico integralmente, la superficie terrestre y sus regiones constitutivas, así como también la interacción existente entre ese medio y la vida humana con sus acontecimientos a través de los distintos períodos históricos. El estudio de la Geografía va asociado al de Historia y en su estructuración aparece igual número de asignaturas y créditos para ambas disciplinas, cuyo plan de Estudio lo integra Lengua y Literatura Española, Panamá en el Mundo Americano, Introducción a la Filosofía, Introducción a las Ciencias Naturales, Inglés, Francés, Introducción a las Ciencias Políticas, Principios de Geografía, Principios de Sociología, Geografía Matemática, Geografía Humana I y II, Geografía Física I y II, Introducción a la Cartografía, Geografía Política, Metodología y Técnica de la Investigación Geográfica, Geografía Regional de Panamá, Geografía Regional de América, Geografía Regional de Eurasia, África y Oceanía, Relaciones de Panamá y Estados Unidos, Historia de Oriente, Grecia y Roma, Antropología, Prehistoria de Panamá, Historia de la Época Hispánica, Etnografía de Panamá, Historia de la Edad Media, Historia de Panamá Unión a Colombia, Historia de Panamá Época Republicana, Historia Moderna, Historia Contemporánea, Historia de las Ideas en América y Trabajo de Graduación.

PROGRAMA DE LICENCIATURA EN RECURSOS NATURALES

Directora: Magíster Janeth Valenzuela

La Licenciatura en Recursos Naturales está amparada por la Idoneidad Profesional que le ha sido otorgada por el Consejo Técnico Nacional de Agricultura, lo cual le permite a los egresados de esta importante carrera, ejercer en todo el territorio nacional. El programa comprende: Química Básica, Biología General, Cálculo Diferencial, Informes, Inglés Técnico, Historia de Panamá, Geografía de Panamá, Introducción al Análisis Químico, Bioestadística, Recursos Naturales de Panamá, Metodología de la Investigación Científica, Ecología Humana y Ambiental, Informática, Mediciones Forestales, Biometría de los Recursos Naturales, Ecosistemas Costeros, Manejo de Áreas Silvestres, Agroecosistemas, Planificación de Aguas y Riego, Silvicultura, Transferencia y Extensión Ambiental Comunitaria, Inventario y Evaluación de Recursos Naturales, Agroforestería, Manejo de Agroquímicos, Contaminación Ambiental, Geografía Física, Producción Forestal, Gestión Administrativa Aplicada a los Recursos Naturales, Educación Ambiental, Fuentes Alternas de Energía, Economía Agrícola, Estudios de Impacto Ambiental, Mitigaciones Ambientales, Valoración y Sostenibilidad de los Recursos Naturales, Biodiversidad, Legislación de los Recursos Naturales, Formulación y Proyectos Ambientales y Trabajo de Graduación.

PROGRAMA DE LICENCIATURA EN TURISMO

Directora: Magíster Luis Hervey

El programa comprende: Introducción al Turismo, Informática aplicada al Turismo, Inglés Conversacional, Redacción y Elaboración de Informes, Biología General, Educación Física, Geografía de Panamá, Geografía Turística Mundial, Contabilidad Fundamental, Geografía Turística de Panamá, Métodos y Técnicas de Investigación, Historia de Panamá, Admón. de Empresas Turísticas, Cartografía Digital, Admón. de Recursos Humanos, Planificación Elaboración y Evaluación de Proyectos Turísticos, Sistema de Información Geográfica, Mercadeo Turístico, Sociología Turística, Geografía Económica, Relaciones Humanas, Agroturismo, Promoción Turística.

ENFASIS EN TURISMO ECOLOGICO

Manejo de Parques y Áreas Silvestres, Ecología de Panamá, Legislación Turística, Fitogeografía, Zoogeografía, Inglés Conversacional IV, Trabajo de Graduación.

ENFASIS EN HOTELERIA Y RESTAURANTE

Gastronomía y Bebidas, Inglés Conversacional IV, Admón. de Agencias de Viajes, Administración Hotelería, Relaciones Públicas Aplicadas al Turismo, Administración de Restaurantes, Itinerarios y Transporte, Tecnología de Hospedaje, Trabajo de Graduación.

MAESTRÍAS

PROGRAMA DE MAESTRÍA EN MANEJO Y CONSERVACIÓN DE LOS RECURSOS NATURALES Y DEL AMBIENTE.

Coordinadora: Magíster Janeth Valenzuela.

Busca elevar el nivel académico e investigativo de los docentes y profesionales en ejercicio mediante la adquisición de metodología y técnicas en el Manejo Conservación de los Recursos Naturales y del Ambiente. El programa comprende: Agroecología Avanzada, Metodología de la Investigación Científica, Experimentación Avanzada, Legislación Ambiental, Sistema de Información Geográfica Aplicada al Manejo de los Recursos Naturales, Biogeografía Neotropical, Contaminación Ambiental, Manejo de Suelos y Agua, Manejo de Vida Silvestre y Espacios Naturales, Auditoria y Evaluación de Impacto Ambiental, Zonificación Agroecológica y Ordenamiento Ambiental, Formulación y Evaluación de Proyectos Ambientales, Gestión Ambiental, Opción de Graduación.

SEMINARIOS DE LA MAESTRÍA

Informática, Lengua Extranjera, Bioética.

* Idoneidad otorgada por el Consejo Técnico Nacional de Agricultura (CTNA).

PROGRAMA DE MAESTRÍA EN GEOGRAFÍA CON ESPECIALIDAD EN GEOGRAFÍA REGIONAL DE PANAMÁ.

Coordinador: Magíster Roque A. Largota G.

La expresión "Geografía Regional de Panamá", condensa el propósito general: pensar en la evolución del desarrollo natural y regional de las sociedades en su contexto territorial, prestando particular importancia a los problemas humanos ambientales y proponiendo opciones desde el punto del ordenamiento territorial. El programa comprende: Geografía Regional de Panamá y América Central, Geografía Cuantitativa, Cartografía y Análisis Espacial, Geografía de la Población de Panamá, Geografía Física de Panamá Recursos Naturales de Panamá, Geografía Económica de Panamá, Geografía Regional de Panamá, Introducción al SIG y Teledetección, Cartografía Digital, Ordenamiento Territorial, Elaboración de Proyectos de Investigación I, Elaboración de Proyecto de Investigación II, Trabajo de Graduación.

SEMINARIOS DE LA MAESTRÍA

Metodología de la Investigación Geográfica, Informática, Inglés.

PROGRAMA DE MAESTRÍA EN TURISMO.

Coordinador: Magíster Roque A. Largota G.

Objetivos:

Formar profesionales con los elementos teóricos, metodológicos y técnicos que le permitan desempeñarse con eficacia y eficiencia en la administración, dirección y planificación; en empresa, organizaciones e instituciones a la promoción y prestación de servicios turísticos así como en organismos públicos de gestión turística. El programa comprende: Turismo Sostenible, Elementos para el diseño Curricular del Programa de la Asignatura, Inventario del Producto Turístico, Desarrollo Turístico Local, Estadística Aplicada al Turismo, Formulación y Evolución de Proyectos Turístico, Gestión Estratégica del Turismo, Turismo Recreativo, Turismo Geográfico Histórico, Turismo Urbano o Metropolitano, Turismo Ecológico, Turismo Rural y Agroturismo, Trabajo de Grado-Examen General de Conocimiento/Práctica Profesional/Tesis/Seis Créditos de Doctorado.

SEMINARIOS DE LA MAESTRÍA

Ética del Profesional del Turismo, Informática Aplicada, Lengua Extranjera.

PROFESORES DEL DEPARTAMENTO DE GEOGRAFÍA: (ii)
Magíster Ascela Aguina – Panamá Chiriquí, David. Universidad de Cartago
Magíster Michelle Carrillo – Panamá Chiriquí, David. Universidad de Cartago (iii)
Magíster Luis Hervey – Panamá Chiriquí, David. Universidad de Cartago (iv)
Ingeniero, Magíster Domingo Espinosa – México, Universidad Autónoma Agraria “Antonio Narro”
Ingeniero, Magíster Amael Jiménez – Costa Rica. CATIE
Ingeniero, Magíster Cornelio Franco – México, Universidad Autónoma Agraria “Antonio Narro” (v)
Ingeniero Jarvi Quiel – Panamá Universidad de Panamá
Magíster Rodrigo Martínez – México, UNAM, Geógrafo. Especialista en Evaluación y Conservación de Recursos Naturales
Magíster Gloria E. Hernández de Martínez – México, UNAM, Geógrafa. Especialista en Evaluación y Conservación de Recursos Naturales
Magíster Yolanda del C. Aizpurúa – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Arabella C. de Atencio – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Octavio Caballero – Panamá, UNACHI. Geógrafo
Licenciada Edna R. Villamonte de Castillo – Panamá, UNACHI. Geógrafa
Magíster Luis A. Díez Ríos – Panamá, UNACHI. Geógrafo, S.I.G.
Magíster Catalina Espinosa – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Antonia Ríos de Gutiérrez – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Alexis J. Jiménez B. – México, UNAM. Geógrafo con Especialidad en Evaluación y Conservación de Recursos Naturales
Magíster Roque A. Lagrotta G. – Costa Rica, CATIE. Recursos Naturales
Magíster Adalides Lezcano C. – España Universidad Complutense de Madrid. Geógrafa
Magíster Porfirio Navarro J. – Costa Rica, UCR. Geógrafo
Magíster Mirza E. Palacios L. – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Arturo J. Ríos G. – USA, INDIA. Geógrafo
Licenciada India Y. Ríos G. – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Janeth M. Valenzuela F. – Costa Rica, UCR. Geógrafo, S.I.G.

UNIVERSIDAD LATINA DE PANAMÁ

FACULTAD DE INGENIERÍA
CARRERA: MAESTRÍA EN SISTEMAS DE INFORMACIÓN GEOGRÁFICA
FUNDADO EN: 2010
DIRECTOR: ING. RAFAEL VÁSQUEZ

PARA MAYOR INFORMACIÓN: Ing. Rafael Vásquez, Universidad Latina de Panamá. Facultad de Ingeniería. Carrera: Maestría en sistemas de información geográfica. +507-230-8600

OBJETIVOS

Ofrecer un programa de Maestría en Sistemas de Información Geográfica, con una visión científica, que brinde a sus participantes la formación para diseñar, dirigir e implantar proyectos de SIG tanto en el nivel técnico como en el gerencial.

Objetivos Específicos:

- (i) Ofrecer un programa de maestría que prepare a sus estudiantes para dirigir y realizar integralmente proyectos de SIG utilizando variadas herramientas de software y múltiples métodos analíticos.

Contribuir en la formación de profesionales que puedan liderar los procesos de investigación y desarrollo al nivel de las diferentes entidades y organizaciones.

Proporcionar los aspectos clave de la cartografía y la fotogrametría desde la perspectiva de su manejo mediante sistemas de información geográficos.

Abordar en profundidad tecnologías actuales como las relativas a los modelos digitales del terreno, los sistemas de geo posicionamiento por satélite (GPS) o la gestión de imágenes ráster.

Aportar la documentación y las prácticas con base en la experiencia real que resulte de utilidad inmediata en el ejercicio profesional

PLAN DE ESTUDIO

- Fundamentos de Cartografía
- Fundamentos de Sistemas de Información Geográfica
- Generación de Datos Georeferenciales
- Análisis Espacial: Modelo Vectorial
- Análisis Espacial: Modelo Raster
- Producción Cartográfica
- Servicios de Sistemas de Información Geográfica vía Web
- Principios Físicos de Teledetección
- Sistemas Espaciales de Teledetección
- Análisis Digital de Imágenes
- Integración de Sistemas de Información Geográfica-Teledetección
- Proyecto SIG

PARAGUAY

UNIVERSIDAD NACIONAL DE ASUNCIÓN, PARAGUAY

FACULTAD DE INGENIERIA
CARRERA DE INGENIERIA EN CIENCIAS GEOGRAFICAS
REPUBLICA DEL PARAGUAY, SAN LORENZO
DATE FOUNDED: 8 de febrero de 1979
DEGREES OFFERED: Licenciatura e Ingeniería en Ciencias Geográficas

POINT OF CONTACT: Decano Prof. Ing. Carlos H. Dellavedova. Email: chdellavedova@ing.una.py. ViceDecano Prof. Ing. Isacio Vallejos. Director de Carrera Prof. Ing. Lorenzo Antonio Centurión, email: centurion@ing.una.py, lcenturion@highway.com.py. Prof. Ing. Rubén Darío Falcón: rubendariofalcono@yahoo.com. Website: http://www.ing.una.py.

FOR FURTHER INFORMATION WRITE TO: Universidad Nacional de Asunción, Facultad de Ingeniería, Carrera de Ciencias Geográficas, Campus Universitario, San Lorenzo-Paraguay. Teléf: 595 21 585581/4. info@ing.una.py.

PROGRAMS AND RESEARCH FACILITIES:

La Facultad de Ingeniería: La Facultad de Ingeniería de la Universidad Nacional de Asunción se constituye en una referencia en la formación de ingenieros paraguayos, con casi ocho décadas de tradición académica. Los egresados de la FIUNA son ampliamente reconocidos por su sólida base teórica, complementada con un constante interés en la actualización en el estado del arte de las diversas ramas de la ingeniería ofrecidas: Ingeniería Civil, Electromecánica, Industrial, Electrónica y en Ciencias Geográficas.

En el año 2006 se ha lanzado con gran expectativa la carrera de Ingeniería Mecánica. Desde su creación como 'Facultad de Ciencias Físicas y Matemáticas', la FIUNA y sus egresados han sido protagonistas principales en el desarrollo de la ingeniería paraguaya, tanto en el campo privado como en las instituciones estatales, resaltando especialmente en los grandes emprendimientos como las represas hidroeléctricas de, Yacyreta y Acaray, obras viales, etc.

La carrera de Ciencias Geográficas: En sus inicios fue creada como *Instituto de Ciencias Geográficas* por resolución N° 1538-02-79 del Honorable Consejo Superior Universitario de la Universidad Nacional de Asunción Acta N° 382 en fecha 8 de febrero de 1979 e inicio sus actividades en el año 1979. Este Instituto conforme lo establece el Estatuto vigente, paso a depender Académica y Administrativamente de la Facultad de Ingeniería desde febrero del año 2000.

Perfil General: El ingeniero en Ciencias Geográficas es un profesional con formación Técnico-Científico capacitado para estudiar, evaluar, investigar, interpretar, analizar y proponer alternativas para el ordenamiento, la planificación territorial, la administración de los Espacios Geográficos, el uso racional de los recursos naturales y del medio socioambiental.

BECAS: Inscripciones a cursos, seminarios, congresos.

Requisitos:

Las Becas serán otorgadas a los estudiantes que reúnan los siguientes requisitos: 1. Estar matriculado en el período académico correspondiente. 2. Ser de nacionalidad paraguaya. 3. Registrar un promedio académico no inferior al 70 % o pertenecer al 25% de los mejores promedios en el período académico inmediato anterior, en cada caso. 4. Haber cursado y aprobado un mínimo de materias, no menor a 3, y mayor o igual al 50% de las asignaturas en las que se matriculó en el período inmediato. Para el caso de los ingresantes en su primera matriculación, haber obtenido como mínimo, en los Exámenes de Admisión un puntaje mínimo equivalente al 80% del total posible.

PERÚ

PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ

**FACULTAD DE LETRAS Y CIENCIAS HUMANAS
ESPECIALIDAD DE GEOGRAFÍA Y MEDIO
AMBIENTE**

REPÚBLICA DEL PERÚ, LIMA

DATE FOUNDED: 1987

DEGREES OFFERED: Bachiller en Humanidades con
mención en Geografía y Medio Ambiente. Licenciado
en Geografía y Medio Ambiente (equivalente al título
profesional de Geógrafo)

HEAD: Dr. Carlos Tavares Correa

**PARA PEDIR UN CATÁLOGO Y MÁS INFORMACIÓN,
FAVOR DE ESCRIBIR A:** Dr. Carlos Tavares Correa, Coordinador
de la Especialidad de Geografía y Medio Ambiente, Facultad de
Letras y Ciencias Humanas; Pontificia Universidad Católica del Perú.
Avenida Universitaria 1801, Lima 32, Perú. Tel. (511) 626 2000
anexo 4539, FX: (511) 626 2804. Email: ctavare@pucp.pe

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: La
especialidad de Geografía y Medio Ambiente estudia los fenómenos
físicos y humanos que ocurren en la superficie terrestre, de cuya

interacción resultan, en gran medida, las formas de ocupación del territorio y calidad del medio ambiente. Se ofrece una formación integral que permite a sus egresados ser especialistas en análisis territorial y de impactos ambientales. Se ofrece un ambiente universitario acogedor y un gabinete para que los estudiantes desarrollen sus proyectos de investigación y estudios. También está el Centro de Investigación en Geografía Aplicada que genera información y conocimiento del territorio nacional y pone en valor la investigación geográfica para el desarrollo regional y local del Perú. Los egresados pueden desempeñarse con facilidad y eficacia en el entendimiento de los fenómenos geográficos, ya sean físicos o humanos, a escala local, regional o global, lo que agiliza una adecuada toma de decisiones sobre asuntos de gestión territorial y ambiental. Actualmente vienen trabajando eficientemente en departamentos de planificación y organización del territorio de la administración pública, gobiernos locales, ONGs dedicadas a temas ambientales, consultorías sobre temas geográficos, y docencia universitaria.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN: Para ingresar a la especialidad de Geografía y Medio Ambiente (seis ciclos), los alumnos deben haber completado los cuatro ciclos de Estudios Generales Letras o Ciencias. Luego completar 128 créditos de los cuales, 104 son obligatorios, 15 electivos y 09 de libre disponibilidad. Los créditos obligatorios se distribuyen en Geografía Física (31), Geografía Humana (20), Técnicas de investigación y gestión (33), de Integración entre geografía física y humana (20). Esta formación balanceada permite a los egresados poder trabajar indistintamente en el área de geografía cultural o de geografía física, sin mayores dificultades.

PROFESORADO:

Bernex, Nicole, Dra. Geógrafa, Université de Montpellier—Gestión del agua, geografía minera, percepción ambiental, educación ambiental

Chiarella Quinhoes, José Américo Roberto, Dr. Geógrafo, Universidad de Rio de Janeiro—Planificación nacional, regional, local

Córdova Aguilar, Hildegardo, Ph.D, Geógrafo, University of Wisconsin-Madison—Biogeografía, geografía económica, desarrollo rural, problemas urbanos

Goluchowska, Katarzyna, Dra. Geógrafa, Universidad de Varsovia—Técnicas cuantitativas

Nagata Shimabuku, Miriam, M.Sc. Geógrafa, Université de Liège, University of Syracuse—GIS, cartografía

Novoa Goicochea, Zaniel, Magister, Ingeniero Geógrafo, Universidad Federico Villareal y PUCP—Planificación rural, ecogestión de fronteras

Sabogal Dunin Borkowska, Ana. Dra. En Ecología, Technische Universität Berlin, Alemania. Ing. Agrónoma—Ecología vegetal

Silva Vidal, Yamina, Dra. Ciencias Atmosféricas—Meteorología, climatología

Tavares Corrêa, Carlos, Geógrafo, Dr. En Ciencias Ambientales, Universidad de Concepción, Chile—Estudios Ambientales de zonas litorales, suelos

Timaná de la Flor, Martín Enrique. PhD. Biólogo, University of Texas at Austin, Texas—Ecología, recursos forestales

UNIVERSIDAD NACIONAL MAYOR DE SAN MARCOS

MAESTRÍA EN GEOGRAFÍA: Mención en “Gestión y Ordenamiento Territorial”
PROGRAMA DE MAESTRADO FUNDADO EN: 1995.
Con la mención en “Gestión y Ordenamiento Territorial” desde el 2003
TÍTULOS OFRECIDOS: Magister
DIRECTOR DE LA UNIDAD DE POSTGRADO
FACULTAD DE CIENCIAS SOCIALES: Dr. Valdemar Espinoza
COORDINADORA DE LA MAESTRÍA EN GEOGRAFÍA: Dra. Alicia Huamantínco

PARA PEDIR UN CATÓLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Dra. Alicia HUAMANTÍNCO
Coordinadora de la Maestría en Geografía Unidad de Postgrado de Facultad de Ciencias Sociales, Universidad Nacional Mayor de San Marcos. Ciudad Universitaria Avenida Venezuela s/n. Teléfono 00511 6197000 anexo 4003

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: 1) Convenio de cooperación académica para el desarrollo de los estudios de geografía a nivel de postgrado entre la UNMSM y la Universidad Paris 1, Francia 2) Programa de investigaciones “Dinámicas Territoriales en la Periferia de Lima Metropolitana” convenio entre la UNMSM y Agence National de Recherche ANR de Francia

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA:

Primer Semestre: Teoría y Método de la Geografía, Medio Físico-Geográfico, Sociedad, Economía y Territorio, Impacto Ambiental, Riesgos y Vulnerabilidad

Segundo Semestre: Seminario: Desarrollo Sostenible y Planeamiento Estratégico, Ordenamiento Territorial - Teoría y Método, Legislación para el Ordenamiento y Gestión del Territorio, Taller de Investigación I

Tercer Semestre: Información y Recursos Técnicos para el Ordenamiento, Gestión del Ordenamiento Territorial, Taller de Investigación II

Cuarto Semestre: Temas Sociales Avanzados, Seminario: Propuesta de Ordenamiento Territorial, Taller de Investigación III

PROFESORADO:

Alicia Huamantínco, Doctor, Universidad Federal de Rio de Janeiro, Brasil

Hildegardo Córdova, PhD, Universidad de Wisconsin, EEUU

Katarzyna Goluchowska, Doctor, Universidad de Varsovia, Polonia

Omar Landeo, Doctor, Universidad Paris I Sorbona

Pierre Foy Valencia, Doctor, Universidad del País Vasco, España

Manuel Dammert Ego Aguirre, Magister

Raúl Lizárraga Bobbio, Magister

Juan Meléndez de la Cruz, Magister

Fausto Asencio, Magister

Juan Guerrero, Magister

Luz Consuelo Muguruza, Magister

Rita Andrade, Magister

PUERTO RICO

SOCIEDAD DE HISTORIA NATURAL DE PUERTO RICO (CENTRO AMBIENTAL SANTA ANA)

TIPO DE INSTITUCIÓN: Privada, sin fines de lucro
ACTIVIDAD PRINCIPAL DE LA ASOCIACIÓN:

Administración de un Centro de Naturaleza: El Centro Ambiental Santa Ana

FECHA DE FUNDACIÓN: 1960

SITIO WEB: <http://shnpr.org>

PARA MÁS INFORMACIÓN CONTACTAR: Eliezer Nieves-Rodríguez, Director del Centro Ambiental Santa Ana, PO Box 361036 San Juan, PR 00936-1036, Teléfono: 787-740-4200, centroambiental@gmail.com

MISSION: Fundada en el 1960, La Sociedad de Historia Natural de Puerto Rico, Inc., tiene como misión el proteger y conservar los sistemas naturales de Puerto Rico. Promover las actividades al aire libre para utilizarlas en la exploración y aprecio de nuestros espacios naturales. En el 2006 la Sociedad comienza con la administración del primer centro de naturaleza de Puerto Rico, el Centro Ambiental Santa Ana (CASA) en el Parque Nacional Julio E. Monagas en la ciudad de Bayamón. Bajo un acuerdo de colaboración con la Compañía de Parques nacionales de Puerto Rico y la Universidad Interamericana, Recinto Metropolitano el CASA ofrece programas interpretativos, de educación ambiental y promueve el estudio de la geografía de los bosques de Carso y la conservación de su Biodiversidad.

ESTRUCTURA Y ORGANIZACIÓN: El Centro Ambiental Santa Ana (CASA) es un centro de naturaleza administrado por la Sociedad de Historia Natural de Puerto Rico bajo un acuerdo de colaboración con la Compañía de Parques Nacionales de Puerto Rico y la Universidad Interamericana de Puerto Rico, Recinto Metropolitano. Se establece en el 2006 gracias a la visión del Dr. Frank H. Wadsworth, dasónomo de profesión y miembro fundador de la Sociedad de Historia Natural de Puerto Rico, que al buscar un lugar forestado cerca del área metropolitana y que sirviera de laboratorio al aire libre para que todos los jóvenes pudieran aprender en un espacio natural encontró en el Parque Nacional Julio Enrique Monagas en Bayamón esa oportunidad. El CASA se encuentra localizado en el Parque Nacional Julio Enrique Monagas en Bayamón.

FINES: La Sociedad de Historia Natural de Puerto Rico fomenta la exploración, estudio y la educación de las áreas naturales de la Isla de Puerto Rico y su biodiversidad. Realiza reuniones mensuales y actividades recreativas, interpretativas y educativas para cumplir este fin. También promueve la publicación e investigaciones de científicos naturales y sociales en proyectos que aporten a un mejor entendimiento de nuestros espacios naturales. La Sociedad de Historia Natural de Puerto Rico colabora con entidades ambientales en Puerto Rico, el Caribe y los Estados Unidos.

PROGRAMAS QUE SE OFRECEN: Programa de Actividades:• Recorridos interpretativos por el bosque a estudiantes de K-12, universidades, grupos ambientales y scouts• Recorridos nocturnos• Programa: Más Niños al Bosque (para grados de 1-6)• Charlas temáticas sobre nuestra naturaleza• Talleres de observación de aves• Talleres a maestros y líderes ambientales• Taller: Certificando el patio de tu escuela como hábitat para la vida silvestre• Programa de adelantos de naturaleza para scouts (Merit badges, activities Pins, Belt

Loops)• Sendero Escutista del Karso• Festival de las Aves endémicas del Caribe (Abril 22 a mayo 22)• Festival de las Aves Migratorias (Octubre)• Simposio: Educación, Interpretación e Investigación en Bosques (marzo)• Talleres sobre Población, Geografía y Naturaleza (Population Connection) www.populationeducation.org El CASA es además un centro de adiestramiento de la certificación profesional de guía interpretativo de la "National Association for Interpretation" NAI por sus siglas en inglés www.interpnet.com

EVENTOS ANUALES: • Talleres sobre Educación en Población (febrero y noviembre) • Festival anual de las Aves Endémicas del Caribe (22 de abril al 22 de mayo)• Taller de certificación profesional para Interpretes Ambientales CIG, de la "National Association for Interpretation" (mayo)• Festival de Aves Migratorias (octubre)• Censo Navideño de Aves de la Sociedad Audubon (diciembre)

UNIVERSITY OF PUERTO RICO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: PROGRAM, 1945, AS

DEPARTMENT, 1968 UNDERGRADUATE

DEPARTMENT ONLY

DEGREES OFFERED: Bachelor of Arts

GRANTED 5/1/05-7/31/06: 30 Bachelors

STUDENTS: Undergraduates, 129

CHAIR: Ángel David Cruz Báez

angel.cruz20@gmail.com or

angeldavid.cruz@gmail.com

DEPARTMENT SECRETARY: Iracema González

FOR CATALOG AND FURTHER INFORMATION WRITE

TO: Dr. Ángel David Cruz Báez, Chairman, Department of Geography, College of Sociales Sciences, University of Puerto Rico, P.O. Box 23345, San Juan, 00931-3345. Telephone Number: 787 923-0578, Fax Number: 787 773 1709

PROGRAMS AND RESEARCH FACILITIES: As the only Department of Geography in Puerto Rico, it is the main center for geographic education and research in the Island. Its mission is to offer good quality education with the objective of preparing students to continue graduate studies or to work in the public and private sector. It does this by introducing students to the main traditions in Geography through different approaches: lectures, seminars, field work, field trips and scientific research. It is equipped with a computer cartography, gis, and remote sensing laboratory and offers continued education through a certificate in GIS and seminars in special topics. It also collaborates with different Geography Departments in the United States by coordinating field trips, exchange students, and by individually working with students who do graduate research in Puerto Rico.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND

FINANCIAL AID: Semester System. Program duration: Undergraduate, 4 years. *Admission requirements:* interests in the field coincident with those of the Department, and evidence of competence and fulfillment of general admission requirements to the Río Piedras Campus of the University of Puerto Rico. *Financial Aid:* Pell grants and Federal student loans to qualifying students.

FACULTY:

Ángel David Cruz Báez, PhD., Wisconsin-Madison (1977), professor and chairman—agricultural geography, computer cartography, geographic information systems, remote sensing and quantitative methods

Martiza Barreto Orta, PhD, University of Puerto Rico-Mayagüez (1995) — marine geography and coastal geomorphology

Carlos J. Guilbe López, PhD., Wisconsin-Milwaukee (1999)—land use and urban development, urban transportation and spatial models, retail activities (shopping centers), sports geography

Carlos E. Severino Valdez, Dr. rer.nat., Humboldt University-Berlin (1993), professor and Dean of Social Sciences—urban geography, political geography, economic development

Francisco Watlington Linares, PhD., Gainesville (1990)—neotropical tropical viticulture, antropogeography of Puerto Rico, historical geography of the New World

ADJUNCT FACULTY:

José M. Longo Mulet, Juris Doctor, Interamerican University of Puerto Rico, M. Public Health, University of Puerto Rico, San Juan—geography and law, population geography

Irvia E. Toledo Rodríguez, M.A., Akron—cartography, geographic information systems

Glenda Román, M.S., Wisconsin-Madison—advanced GIS and Remote Sensing

TRINIDAD AND TOBAGO

UNIVERSITY OF THE WEST INDIES, ST. AUGUSTINE

FACULTY OF ENGINEERING

DEPARTMENT OF GEOMATICS ENGINEERING AND LAND MANAGEMENT

DATE FOUNDED: 1983

DEGREES OFFERED: BSc. Geomatics, BSc. Land Management (Valuations), MSc. Geoinformatics, MSc. Urban and Regional Planning; Certificate in Geographic Information System; Postgraduate Diploma in Land Administration.

CONTACT PERSONS: Dr. Bheshem Ramlal, Head of Department. bheshem.ramlal@sta.uwi.edu; Ms Monique Joseph, Secretary, geomaticsenineering.andlandmanagement@sta.uwi.edu.

CONTACT ADDRESS: Department of Geomatics Engineering and Land Management, Faculty of Engineering, The University of the West Indies, St. Augustine, Trinidad, West Indies. Phone: 18686622002 ext 82108/82109, Fax: 18686624414, email: geomaticsenineering.andlandmanagement@sta.uwi.edu, Website: <http://sta.uwi.edu/eng/surveying/index.asp>

PROGRAMS AND RESEARCH FACILITIES: The Department offers several programs to cater to the needs of the Caribbean region. These include a BSc. Geomatics, a BSc. Land Management (Valuations), MSc. Geoinformatics, MSc. Urban and Regional Planning, Certificate in Geographic Information Systems, Postgraduate Diploma in Land Administration, Master of Philosophy and Doctorate in Geoinformatics, in Urban and Regional Planning and in Surveying and Land Information. The Department through its program offerings and its research focuses on addressing the growing needs of the Caribbean region for Geomatics, Land Management, GIS and Physical Planning professionals and for related solutions. This is especially significant as many small island states are continuing their efforts towards sustainable development and economic prosperity even in light of scarce resources due to the global economic slowdown and the threat of global climate change and sea level rise. These objectives require professionals who understand the spatial characteristics of, and the social, legal, economic, institutional and

technical issues related to land and marine resources management. Furthermore they must have the education, methodologies and training to gather, manage, and analyze and use this information and contribute to the decision-making process effectively by developing various options for decision makers amongst others.

The Department has access to a wide array of facilities to support its academic programs and research efforts. The university has a modern library with an extensive collection of books and online databases that are available to students and researchers. In addition, the department has appropriate computer software, hardware and other equipment well suited to the needs of stakeholders.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Semester System. Program duration: Undergraduate, 3 years; Master of Science, 18 months including Thesis; Master of Philosophy: 2-3 years, Doctor of Philosophy: 3-5 years including Dissertation.

Admission: Undergraduate Program: 6 Points on CAPE Examination or Equivalent; Graduate Programs: A BSc. degree in a related field with a GPA of 3.3 or higher. Financial Aid: Funding available to citizens of Trinidad and Tobago. Limited Funding available to Caricom Nationals.

FACULTY

Opadeyi, Jacob, BSc, MSc (Lagos), MEng, PhD (New Brunswick), MBA (UWI), MRICS. Professor (Engineering Surveying, Geographic Information Systems, Land Administration)
Al-Tahir, Raid, BSc (Baghdad), MSc, PhD (Ohio State), MASPRS (USA), MRSPS PSoc (UK). Senior Lecturer (Photogrammetry, Spatial Analysis, Remote Sensing)
Mycoo, Michelle, BA (Hons) (UWI), MSc (Hong Kong), PhD (McGill), MTTSP, MISOCARP. Senior Lecturer (Land Use & Natural Resources Management, Coastal Zone Planning, Planning Law and Administration, Planning Analysis)
Ramlal, Bheshem, BSc (UWI), PGDip, MSc (ITC Netherlands), PhD (Maine), Cert. Ed. (UBC), MISTT, MRICS. Senior Lecturer (Cartography, Geographic Information Systems, Surveying)
Davis, Dexter, BSc (Hons) (UWI), PhD (Newcastle-upon-Tyne), MISTT. Lecturer (Surveying, Digital Photogrammetry, Geodesy, Adjustment, GNSS)
Griffith-Charles, Charisse, BSc, MPhil (UWI), PhD (Florida), MISTT, MRICS. Lecturer (Cadastral Systems Surveying, Cartography, Land Administration)
Mohammed, Asad, BSc (Hons) (Waterloo), MRP, PhD (Cornell), MTTSP. Lecturer (Planning & Development, Human Settlements, Land Administration)
Sutherland, Michael, Dip. C.S. (CAST, now UTEC), (Hons) MSc, PhD (New Brunswick), MISTT, MCIG, MRICS. Lecturer (Land Information Management)
Taylor, Patrice B.Arch. (Tuskegee), MSc (Maryland), Lecturer (Graphics & Design Studio) Blaize, Colvin BSc (UWI), LLB (Univ of London). External Lecturer (Land Law)
Boynes-Bardouille, Denia, BSc (UWI), DipEd (UWI) PG Certificate-Education Studies (UWI). External Lecturer (Statistics)
Charles, Ainsley, BSc. Surveying and Land Information (UWI), TTLS, MISTT. External Lecturer (Surveying Practice)
Grant, Ian BSc (UWI). External Lecturer (Engineering Surveying)
Khan, Kameel, BSc (Polytechnic, London), FRICS. External Lecturer (Valuation)
Ramos, Ria, BSc (Hons) (UWI), MSc (South Bank). External Lecturer (Valuation)
Sultanti-Maharaj, Shelly, BSc, MSc (UWI). External Lecturer (Introduction to Planning)
Thomas, Deborah Heather-Dawn, BA, MSc (Oxford Polytechnic), PhD (Cambridge). Lecturer (Planning & Development)

URUGUAY

ASOCIACIÓN NACIONAL DE PROFESORES DE GEOGRAFÍA-URUGUAY

TIPO DE INSTITUCION: Privada, sin fines de lucro

ACTIVIDAD PRINCIPAL DE LA ASOCIACION:

Educación; Proporcionar servicios técnicos en materia geográfica y educación

FECHA DE FUNDACION: 23 de setiembre de 1967

REVISTA: GEOESPACIO

SITIO WEB: www.anpg.org

PARA MAS INFORMACION CONTACTAR: Miguel Ligtiera, Presidente de la asociación, Convención N° 1382 oficina 101. Montevideo, Uruguay. Teléfono: 598- 29018730, Fax: 598- 29018730, anpg@adinet.com.uy anpg@yahoo.com.ar

ESTRUCTURA Y ORGANIZACIÓN: La estructura organizativa es la siguiente: Comisión Directiva; Asamblea Ordinaria y Extraordinaria; Comisión Fiscal; Comisión Electoral. Todos los cargos son honorarios.-Comisión Directiva: compuesta por siete miembros titulares e igual N° de suplentes. Duran dos años y pueden ser reelectos por un sólo período más. Ejerce la dirección y administración de la Asociación, coordina actividades y servicios destinados a sus asociados.-Asamblea ordinaria: se reúne anualmente para considerar memoria, balance y asuntos de interés según los fines de la Asociación.-Asamblea Extraordinaria: se reúne por convocatoria de la Comisión Directiva o a requerimiento de un 15% o más de sus asociados.-Comisión Fiscal: la integran 3 miembros titulares con doble N° de suplentes. Sura dos años y puede ser reelecta por dos períodos más. su función es vigilar la administración de la Asociación y revisión de los balances.-Comisión Electoral: se integra por 3 miembros titulares e igual N° de suplentes. Dura dos años en su función. Tiene a su cargo lo relativo al acto electoral, escrutinio y determinación de los resultados, proclamando a las nuevas autoridades.

FINES: Proporcionar servicios técnicos en materia geográfica y educación, jerarquizando la Geografía a nivel Nacional. Se mantendrá ajena a toda tendencia política, religiosa y filosófica, pero tendrá una participación activa en el quehacer cultural de nuestro país. Propicia formas de comunicación permanente entre los docentes, investigadores e instituciones vinculadas a la Geografía. Fines particulares: Divulgación de técnicas didácticas; difusión de información científica, bibliográfica y metodológica. Establecimiento de vínculos con instituciones públicas y privadas que tengan relación con los fines de la institución. Recopilar y difundir experiencias pedagógicas y de investigación. Elaborar material auxiliar al trabajo docente. Incentivar la redacción de trabajos de interés didáctico-científico. Organizar o asesorar trabajos de campo. Organizar encuentros, talleres, conferencias y congresos nacionales, regionales e internacionales.

PROGRAMAS QUE SE OFRECEN: Área de cartografía: cursos de actualización semi presenciales, sobre el uso de la cartografía y los sistemas de información en el nivel secundario. Área de Astronomía: cursillo de Contenidos astronómicos aplicables a los cursos de Geografía de nivel Secundario. Área de Geografía: jornadas de perfeccionamiento sobre Geografía aplicada, utilización de la informática y el trabajo con proyectos con alumnos de bachillerato.

MIEMBROS: Son integrantes de la Asociación los profesores de Geografía en actividad y jubilados residentes en el Uruguay.

EVENTOS ANUALES: Congreso de Geografía y Ambiente. Nacional e internacional (entre 130 y 250 personas asisten cada año)

CENTRO REGIONAL DE PROFESORES DEL NORTE

DEPARTAMENTO DE GEOGRAFÍA

FECHA DE FUNDACION: 26 de Mayo de 1997

PROGRAMAS DE ESTUDIO: Grado asociado/técnico

SITIO WEB:

http://www.dfpd.edu.uy/cerp/cerp_norte/index.html

PARA PEDIR UN CATOLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: María del Rosario Bottino Bernardi, Docente formadora de formadores en Geografía, Uruguay, Teléfono: 46220717, Fax: 46220691, cerpnorte@gmail.com

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN El profesorado mención Ciencias Geográficas ofrece una formación integral que permite a sus egresados desempeñarse como docentes formadores en Geografía, en Enseñanza Media, tanto en la Educación Secundaria, como en las Escuelas Técnicas del país. Se ofrece un ambiente de formación terciaria acogedor, una biblioteca, con un área de estudio y un para que los estudiantes puedan desarrollar sus proyectos de investigación y tareas de clase. Los egresados pueden desempeñarse con facilidad y eficacia en el entendimiento de los fenómenos geográficos, ya sean físicos o humanos, a escala local, regional o global, lo que agiliza una adecuada toma de decisiones sobre asuntos de gestión territorial y ambiental. **PLAN DE TRABAJO DEL DEPARTAMENTO DE GEOGRAFÍA DEL CeRP DEL NORTE:** Promover la formación geográfica de los aspirantes al profesorado con solvencia. Consolidar la formación académica permanente de los docentes. Profundizar las actividades de extensión. Promover la actividad de investigación. Ejercer la docencia colaborativamente

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: **PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA:** Para ingresar a la carrera de profesorado de Geografía, los alumnos deben haber completado Educación Secundaria. Luego completar cuatro años, en el que poseen un tronco común de asignaturas, compartidas por las otras opciones de profesorado, y que corresponden a las asignaturas de Ciencias de la Educación; y asignaturas específicas de la Geografía: Geografía Física, Geografía Humana, Geografía Económica, Cartografía, Astronomía para Geografía, Matemáticas para Geografía, Uruguay, Uruguay y la región, Latinoamérica, Países centrales, Países periféricos, Didáctica de la Geografía, Estructura del Mundo contemporáneo, Geología, Geopolítica, Evolución y métodos del pensamiento geográfico, Teoría geográfica; así como cuatro seminarios específicos en Geografía histórica, del Uruguay, Ordenamiento territorial y medio ambiente, Investigación en Geografía. Todas las asignaturas y seminarios son obligatorias; debiendo llegar a una calificación de 5, en una escala de notas del 1 al 12, para tener derecho a rendir examen; pudiendo exonerar, salvo Didáctica, si logran una calificación de 9. Esta formación les permite al egreso, desempeñarse como docentes formadores en Geografía, en Enseñanza Media, tanto en la Educación Secundaria, como en las Escuelas Técnicas del país. El Consejo de Formación en Educación brinda beca total o parcial a estudiantes que provengan de otros lugares de la región. Beca total incluye: residencia, comida y traslado a sus hogares cada 15 días; la beca parcial puede ser uno de los beneficios de la total.

DOCENTES

- Prof. Carmen Pedezert, docente egresada del Instituto de Profesores Artigas, en la mención Astronomía. Directora Observatorio de Astronomía en la ciudad de Rivera- Astronomía para Geografía.*
- Prof. Gabriela Begino, docente egresada del Instituto de Profesores Artigas, en la mención Geografía. Maestrante en Didáctica de Educación Media - Geografía de Países periféricos, Seminario de Investigación en Geografía, Seminario de Geografía histórica*
- Prof. Patricia Correa, docente egresada del Instituto de Profesores Artigas, en la mención Geografía, y en el Instituto de Formación Docente de Tacuarembó como maestra de Educación Primaria. Posgrado en curso del Diplomado en Geografía, por el Instituto de Perfeccionamiento de Estudios Superiores, en Montevideo - Geografía de Países Centrales, Cartografía, Geografía de América Latina, Introducción a la Didáctica, Geopolítica.*
- Prof. Laura Meneses, docente egresada del Instituto de Profesores Artigas, en la mención Geografía. Posgrado de Evaluación de los Aprendizajes en la Universidad Católica del Uruguay - Teoría Geográfica - Seminario de ordenamiento territorial y medio ambiente.*
- Prof. Beatriz Taroco, docente egresada del Instituto de Profesores Artigas, en la mención Geografía. Posgrado de Evaluación de los Aprendizajes en la Universidad Católica del Uruguay - Geografía Humana, Geografía Física II, Geografía del Uruguay, Seminario Uruguay.*
- Prof. Rosario Bottino, docente egresada del Instituto de Profesores Artigas, en la mención Geografía. Posgrado en Constructivismo y Educación, en Facultad Latinoamericana de Ciencias Sociales, sede Buenos Aires, Posgrado de Evaluación de los Aprendizajes en la Universidad Católica del Uruguay, y Posgrado en curso del Diplomado en Geografía, por el Instituto de Perfeccionamiento de Estudios Superiores, en Montevideo - Didácticas I, II y III.*
- Prof. Roberto Iglesias, docente egresado del Instituto de Profesores Artigas, en la mención Geografía - Geología, Estructura del Mundo Contemporáneo, Geografía Física I, Geografía Económica.*
- Prof. Ailton Leal, docente egresado del Centro Regional de Profesores del Norte, en la mención Geografía - Evolución y métodos del pensamiento geográfico.*

VENEZUELA

UNIVERSIDAD CENTRAL DE VENEZUELA

ESCUELA DE GEOGRAFÍA

BACKGROUND: Escuela de Geografía, adscrita a la Facultad de Humanidades y Educación. La Escuela tiene su inicio en el año 1956. Se obtiene el título de Licenciado en Geografía. Desde el año de 1960 se han efectuados grados en ese sentido. Actualmente tiene una matrícula de 540 estudiantes inscritos como regulares y existen 140 estudiantes inscritos como tesistas. La escuela de organiza administrativa y académicamente en una dirección y cinco departamentos. El número telefónico de la dirección de la escuela es el 58-212-6052876 y 6052900 FAX. Mayores detalles se encuentran en la siguiente dirección electrónica: <http://www.ucv.ve/humanidades/FHE2005/escuelas/geografia/index.htm>

PROGRAMA Y FACILIDADES: Reglamento de ingreso de alumnos a la universidad central de Venezuela, capítulo I, disposiciones generales.

- Artículo 1° Son alumnos de la Universidad Central de Venezuela, las personas que, cumpliendo con los requisitos de admisión previstos en la Ley de Universidades, reglamentos y resoluciones del Consejo Universitario, sigan los cursos para obtener los grados, títulos o certificados que confiera la Universidad.
- Artículo 2° Para ingresar como alumno a la Universidad Central de Venezuela se debe cumplir con los requisitos y procedimientos que al efecto se establecen en la presente normativa.
- Artículo 3° Las inscripciones al nivel de las Facultades de la Universidad se efectuarán conforme a las disposiciones contenidas en el presente reglamento y a las normas internas que al efecto dicten las Facultades. A tales fines los Consejos de Facultad podrán, de acuerdo a la naturaleza de la enseñanza que en ellas se imparte y a las condiciones particulares en cuanto a demanda y disponibilidad de cupo, así como a cualquier otra circunstancia relacionada con su estructura y funcionamiento, proponer al Consejo Universitario la aprobación de las referidas normas internas.

PLAN ACADÉMICO, REQUERIMIENTOS DE ADMISIÓN Y AYUDA FINANCIERA:

El plan de estudio contempla cinco años de estudio y se conforma de un ciclo básico con cinco semestre y un ciclo profesional con cinco semestre. Se deben aprobar 180 créditos. Las asignaturas están agrupadas en cátedras y estas en departamentos. Los Departamentos de la Escuela de Geografía son cinco: Geografía Regional, Cartografía, Metodología, Geografía Física y Geografía Humana.

PROFESORES:

Jesús Prieto, *jesusprietom@yahoo.es*, Licenciado en Geografía, UCV, 1974, Profesor Instructor, en Cartografía y Catastro.

Miguel Pineda, *estereofoto@geovzla.zzn.com*, Licenciado en Geografía, UCV, 1976, Profesor Asistente, en Cartografía y Fotointerpretación.

Nilko Codallo, *nilkocodallo@yahoo.es*, MSc en Planificación de los Recursos Naturales, 2005, Profesor Instructor, en Cartografía.

Gerardo Gonnella, Licenciado en Geografía, UCV, 1996, Profesor Instructor, en Cartografía y Fotointerpretación.

Gaby González, *deltageo2004@yahoo.es*, Licenciado en Geografía, UCV, 2002, Profesor Contratado, en Cartografía.

Raquel Manduca, *raquelmanduca@yahoo.com*, Licenciado en Geografía, UCV, 1968, Master en Geografía, 1979, Profesor Asistente, en Geografía Regional, Venezuela IV.

Freddy Aponte, *freddyaponte@yahoo.com*, Licenciado en Geografía, UCV, 1988, Maestría en Planificación, Profesor Instructor, en Geografía Regional, Venezuela I.

Ana Vergel, *anaverlo3@yahoo.com*, Licenciado en Geografía, UCV, 1984, Profesor Contratado, en Geografía Regional, Venezuela II.

Francisco Fantone, *franfantone@yahoo.es*, Licenciado en Geografía, UCV, 1988, Master en Manejo de Recursos, Profesor Asistente, en Geografía Regional, Venezuela II y Seminario de Geografía Regional.

Julio Cubas, Licenciado en Geografía, UCV, 1984, Profesor Instructor, en Geografía Regional, Venezuela III.

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[illegible]

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program	Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
University of Hawaii at Manoa		X	X	X	X		X	X	X	X	X	X		X	X	X	X				X	X						X		X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program	Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional							
Eastern Kentucky University		X		X	X				X	X	X			X		X	X			X	X	X	X		X				X					X				X																				
University of Kentucky		X	X	X	X				X	X	X			X	X	X	X	X		X	X	X			X		X	X	X	X	X	X	X		X		X		X	X	X					X					X							
University of Louisville		X	X					X			X					X						X					X	X					X																									
Western Kentucky University										X	X	X		X		X	X		X		X	X	X					X					X	X	X		X	X	X	X	X	X		X	X													
LOUISIANA																																																										
Louisiana State University											X			X							X	X	X																	X	X	X																
MAINE																																																										
University of Southern Maine		X						X				X				X	X					X	X					X	X					X	X	X			X		X		X			X												
MARYLAND																																																										
Frostburg State University		X						X	X	X	X	X		X		X	X		X	X	X	X		X	X	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X		X	X	X		X		X		X					
Salisbury University		X	X								X										X	X		X				X	X				X																									
Towson University		X	X				X	X		X	X	X				X			X	X	X	X							X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X		X		X		X			
University of Maryland Baltimore County		X	X	X					X	X	X	X		X			X	X	X		X	X	X	X	X		X	X		X				X		X	X	X		X	X	X	X	X								X						
MASSACHUSETTS																																																										
Bridgewater State University		X							X	X	X	X		X		X			X			X						X	X	X	X	X	X		X				X	X			X			X			X									
Clark University		X	X	X				X	X		X	X	X	X	X	X	X	X		X		X		X				X		X			X	X		X		X	X	X	X	X	X	X	X		X	X		X								
Salem State University		X	X		X					X	X			X		X	X					X						X	X						X	X					X		X											X				
Worcester State University		X							X		X					X	X				X	X						X													X				X			X										
MICHIGAN																																																										
Central Michigan University		X	X		X			X	X	X	X			X		X	X		X	X	X	X			X			X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X						X				
Eastern Michigan University		X	X		X	X		X		X	X	X	X	X	X	X	X		X		X	X	X		X			X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		X	X							
Grand Valley State University		X			X		X	X		X		X	X	X		X	X					X	X					X	X						X		X			X	X		X	X	X	X	X	X	X		X	X						
Michigan State University		X	X	X				X	X	X	X			X		X	X				X	X	X			X	X	X					X		X	X				X		X		X		X	X											
Northern Michigan University		X			X		X	X	X	X	X	X		X		X	X				X	X	X	X				X			X	X		X	X	X			X		X	X	X	X	X				X									
Western Michigan University							X	X	X	X	X	X		X	X	X	X		X	X		X	X	X		X		X	X				X	X	X	X	X		X	X	X	X	X	X	X	X	X	X										
MINNESOTA																																																										
Gustavus Adolphus College												X			X		X					X						X		X					X		X				X	X	X	X		X	X				X							
Macalester College		X					X	X		X		X	X		X	X	X		X			X		X	X	X		X		X	X	X	X	X		X	X		X	X	X	X		X	X													

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Minnesota State University, Mankato		X	X		X			X	X		X	X		X		X					X	X	X	X	X			X					X	X	X	X	X	X	X	X	X	X	X	X	X		X					X	
St. Cloud State University		X	X						X	X				X	X	X	X				X	X	X		X			X	X	X					X			X		X	X	X	X	X	X		X			X	X		
University of Minnesota, Duluth		X			X		X			X				X		X	X			X	X	X	X	X	X			X	X	X	X		X				X	X			X	X		X						X			
University of Minnesota, Twin Cities		X	X	X					X	X	X	X		X	X	X	X			X		X					X	X	X	X	X	X	X	X				X	X	X			X	X	X								
MISSISSIPPI																																																					
The University of Southern Mississippi		X	X	X	X				X		X			X	X							X	X	X				X								X					X	X	X										
MISSOURI																																																					
Missouri Western State University							X									X						X															X				X									X			
University of Missouri, Columbia		X	X		X			X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X	
MONTANA																																																					
The University of Montana		X	X		X			X		X	X	X		X		X					X	X	X					X	X		X					X	X			X	X					X		X			X		
NEBRASKA																																																					
University of Nebraska, Lincoln		X	X	X			X							X							X	X	X		X			X	X	X					X					X													
University of Nebraska, Omaha							X		X	X	X	X				X	X	X	X	X	X	X	X	X	X			X	X	X		X		X				X	X		X		X		X								
NEVADA																																																					
University of Nevada, Reno		X	X	X					X		X	X		X		X		X		X		X			X			X	X					X		X				X	X	X			X		X			X			
NEW HAMPSHIRE																																																					
Dartmouth College											X	X		X		X		X			X	X						X					X	X		X		X	X	X			X	X	X			X					
Keene State College		X			X				X		X		X		X	X			X			X	X					X	X	X	X				X	X			X	X	X		X	X	X						X	X	
Plymouth State University																	X					X	X					X	X						X						X				X	X		X	X				
University of New Hampshire		X									X	X		X		X	X				X	X		X	X			X		X	X				X				X		X	X	X	X			X			X			
NEW JERSEY																																																					
Rowan University		X						X		X	X	X	X	X	X	X	X			X	X	X	X		X	X		X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X		X	X	X		
Rutgers University		X	X	X	X				X		X	X	X		X	X	X	X				X	X	X			X	X						X			X		X		X	X	X	X	X	X		X		X			
NEW YORK																																																					
Binghamton University, SUNY								X	X			X					X					X		X	X	X	X	X	X	X				X					X	X	X				X	X			X	X			
Graduate Center, CUNY				X				X			X		X	X	X	X	X	X		X	X	X					X	X	X	X				X		X	X	X	X	X	X	X	X	X			X	X			X		
Hofstra University		X												X		X			X																			X	X		X	X	X	X	X	X							X

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OREGON							X	X	X	X	X	X					X				X	X	X	X		X		X	X				X			X		X	X	X	X	X	X	X	X	X						X					
Oregon State University							X	X	X	X	X	X	X	X			X				X	X	X	X				X	X					X			X		X	X	X	X	X	X	X	X	X	X						X			
Portland State University									X	X	X	X	X	X			X		X		X	X	X						X						X			X	X	X			X	X													
PENNSYLVANIA																																																									
Bucknell University		X					X		X				X	X	X	X	X	X				X				X		X	X		X						X		X		X	X	X	X	X	X	X	X						X			
Edinboro University of Pennsylvania		X							X	X	X	X		X	X	X	X					X						X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X			X		X			
Kutztown University		X						X		X	X	X		X		X						X					X	X	X				X					X		X		X		X	X								X				
Millersville University		X						X	X	X	X	X		X	X		X					X						X	X	X	X							X	X	X	X		X	X	X							X					
Shippensburg University of Pennsylvania		X	X						X	X	X	X		X		X	X				X	X	X		X		X	X	X	X			X				X		X	X	X	X	X	X	X	X	X			X			X				
Temple University										X		X			X	X	X	X		X			X	X	X	X		X		X			X				X		X	X	X	X			X												
The Pennsylvania State University		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
University of Pittsburgh at Johnstown		X								X	X					X	X					X	X						X	X	X	X	X					X	X	X			X	X			X	X	X	X	X						
Villanova University		X									X	X					X								X															X				X													
West Chester University		X	X		X			X	X			X			X	X		X				X	X					X	X		X	X							X	X	X	X	X		X		X						X				
SOUTH CAROLINA																																																									
Clemson University														X		X										X									X			X		X		X											X				
University of South Carolina							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X						
SOUTH DAKOTA																																																									
South Dakota State University		X	X	X								X					X			X		X	X					X		X		X				X	X		X	X	X			X	X												
TENNESSEE																																																									
University of Tennessee		X	X	X					X	X	X	X		X		X	X			X	X	X				X	X		X		X		X	X		X	X		X	X	X	X	X	X	X	X	X	X	X								
TEXAS																																																									
Texas A&M University			X		X											X	X	X	X	X	X	X			X					X						X					X	X	X	X	X	X	X		X			X					
Texas State University, San Marcos		X	X	X				X	X	X	X	X	X			X	X	X	X		X	X		X	X		X	X	X	X	X		X				X			X	X		X	X		X					X						
Texas Tech University		X	X	X					X	X	X	X	X	X	X		X		X	X		X	X					X						X			X		X		X	X	X										X				
The University of Texas at Dallas												X					X					X	X					X						X		X																					
The University of Texas at San Antonio		X						X	X	X		X		X	X	X	X	X			X	X		X	X			X	X	X	X	X	X	X			X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
University of North Texas		X	X				X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

[illegible]

Program Specialties

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program	Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional			
York University		X	X	X	X			X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
QUEBEC																																																						
Concordia University		X	X						X	X	X	X	X				X				X	X					X		X	X			X	X		X		X	X	X														
McGill University		X	X	X								X	X	X	X	X	X	X			X	X					X	X	X	X		X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X			
Universite de Montreal		X	X	X			X		X		X		X	X			X				X	X						X		X		X		X		X		X	X		X		X		X		X							
ARGENTINA																																																						
Universidad de Buenos Aires		X	X	X																																																		
Universidad Nacional de General Sarmiento	X					X				X										X		X				X		X	X			X	X		X																			
Universidad Nacional de Mar de Plata	X	X																																																				
Universidad Nacional de Tucuman			X	X																																																		
Universidad Nacional del Sur	X	X	X	X																																																		
BRAZIL																																																						
Associação de Geógrafos Brasileiros							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X		X	X	X	X		X	X										X			
Associação Profissional de Geógrafos de Santa Catarina						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																
Universidade de Brasília		X	X	X	X	X		X	X	X	X	X		X	X	X	X		X	X	X	X	X	X				X	X	X	X		X	X	X	X		X	X												X			
Universidade de Caxias do Sul		X			X	X	X							X			X					X							X	X	X	X		X	X	X	X		X	X														
Universidade do Estado do Rio de Janeiro		X	X		X		X		X	X	X	X		X			X		X	X	X	X	X	X	X			X		X	X		X	X	X	X	X	X	X	X	X		X								X			
Universidade Estadual de Londrina	X	X	X		X		X		X	X	X	X		X	X	X	X		X	X	X	X					X	X		X	X		X	X	X	X	X		X	X														
Universidade Estadual Paulista Júlio de Mesquita Filho		X	X	X	X		X	X	X	X						X	X		X	X	X	X	X	X		X		X	X	X	X	X	X	X		X			X	X														
Universidade Federal do Ceará		X	X	X	X			X	X	X	X	X		X		X	X		X	X	X	X		X		X		X	X	X	X	X		X	X	X		X	X												X			
Universidade Federal da Grande Dourados		X			X		X		X	X	X	X		X		X	X		X	X	X	X		X		X		X	X	X	X	X		X	X	X		X	X													X		
Universidade Federal do Maranhão		X			X			X		X		X			X		X		X		X	X						X	X	X	X	X	X	X	X			X	X														X	
Universidade Federal de Mato Grosso do Sul		X						X														X																																
Universidade Federal de Minas Gerais		X	X	X	X	X			X	X							X		X	X	X							X	X						X		X		X	X														
Universidade Federal do Piauí - UFPI			X		X														X	X																		X																

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program	Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional					
Universidade Federal do Rio de Janeiro		X	X	X	X		X	X	X	X	X	X		X	X	X			X	X	X	X		X	X				X	X	X	X			X			X	X	X												X				
Universidade Federal de Santa Catarina		X	X	X	X			X	X	X	X	X		X	X	X	X		X	X	X	X		X				X	X	X	X	X		X		X		X	X	X													X			
Universidade Federal de Uberlândia		X			X			X	X	X	X	X			X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X			
Universidade Luterana do Brasil					X		X		X	X	X			X		X	X		X	X	X	X						X	X	X						X	X	X	X			X										X				
Universidad Regional Do Cariri							X			X	X	X		X					X		X	X						X	X	X				X			X	X																		
Rio Grande do Sul					X	X	X		X	X	X	X		X	X	X	X		X	X	X	X		X		X		X	X	X	X	X	X	X		X	X	X	X	X													X			
CHILE																																																								
Pontificia Universidad Catolica de Chile		X																																																						
Universidad Academica de Humanismo Cristiano	X	X	X				X							X				X	X	X				X					X					X			X	X																		
Universidad de Chile		X					X																																																	
Universidad de la Serena			X																																																					
COLOMBIA																																																								
Asociación Colombiana de Geógrafos, ACOGE							X	X	X	X	X			X		X	X	X	X	X	X	X		X	X			X	X	X	X	X	X	X	X		X	X		X																
Grupo de Investigación Interinstitucional Geopaideia																			X																																					
Razón Cartográfica										X									X	X		X			X					X													X													
Universidad de los Andes, Bogota			X				X													X				X																			X													
Universidad del Valle	X	X						X											X					X					X																											
Universidad Externado de Colombia	X																													X																										
University of Cordoba, Colombia		X	X				X																																																	
Universidad Nacional de Colombia		X	X	X			X																																																	
Universidad Pedagogica y Tecnologica de Colombia		X					X	X											X													X		X			X	X																		
COSTA RICA																																																								
Universidad de Costa Rica	X	X	X				X	X	X	X							X		X			X													X		X			X																
Universidad Nacional de Costa Rica	X	X	X																																																					

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional			
CUBA																																																					
Universidad de la Habana		X																																																			
DOMINICAN REPUBLIC																																																					
Universidad APEC		X	X	X	X		X		X		X			X	X		X		X		X	X	X					X	X	X	X				X																		
ECUADOR																																																					
Pontificia Universidad Catolica de Ecuador		X	X				X	X	X	X			X		X	X				X	X		X					X		X				X																			
JAMAICA																																																					
University of the West Indies, Mona		X	X	X																																																	
MEXICO																																																					
Centro de Investigaciones en Geografia Ambiental UNAM							X	X	X		X		X			X			X				X	X				X						X			X																
El Colegio de Michoacan			X																																																		
Instituto Nacional de Estadística y Geografía							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Instituto Panamericano de Geografía e Historia					X		X		X		X		X			X		X	X		X		X	X			X							X					X	X	X												
Instituto Politécnico Nacional			X	X																	X																																
Pan American Institute of Geography and History					X		X		X		X		X			X		X	X		X		X	X			X							X					X	X	X												
Universidad Autónoma de Ciudad Juarez		X	X	X			X				X					X	X				X						X	X					X		X			X	X														
Universidad Autónoma de San Luis Potosí		X							X	X					X	X				X	X		X	X					X	X	X	X	X	X	X																		
Universidad Autónoma del Estado de México		X	X		X	X	X		X		X				X	X					X	X						X	X		X			X		X																	
Universidad Autónoma Metropolitana, Iztapalapa		X				X																																															
Universidad de Guadalajara	X	X	X						X												X		X					X						X																			
Universidad Nacional Autónoma de México			X	X		X																																															
NICARAGUA																																																					
Universidad Nacional Autónoma de Nicaragua		X				X	X	X	X	X	X		X	X	X			X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X

Program Specialties	Associates	Bachelors	Masters	PhD	Certificate Program	Distance / Online	Agricultural Geography	Applied Geography	Biogeography	Cartography	Climatology / Meteorology	Resource Conservation, Land	Cultural Ecology	Cultural Geography	Economic Development	Economic Geography	Environmental Studies	Gender	Geographic Education	Geographic Thought	Geomorphology	GIS	GIS Certification Program	Hazards	Historical Geography	Location Theory	Medical Geography	Physical Geography (General)	Planning (Regional, Urban)	Political Geography	Population Geography	Quantitative Methods	Regional Development	Recreation and Tourism	Remote Sensing	Rural Geography	Social Geography	Transportation	Urban Geography	Water Resources	North America	Middle America	South America	Europe	Africa	Asia	Australia Oceania	Polar World	Middle East	Former Soviet Union	World Regional																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

TITLES OF THESES AND DISSERTATIONS COMPLETED 2012-2013

UNITED STATES

ALABAMA

UNIVERSITY OF ALABAMA

Masters (Science):

- Billue, Anna "Extent and Effectiveness of "Alabama's Terrestrial Nature Reserve System in Representing Ecosystem Diversity: A Coarse Filter Gap Analysis" (Hart, 2013)
- Brown, Jaclyn (Senkbeil, 2013)
- Coker, Kelly "Organic Carbon Storage Within In-Channel Deposits, Talladega Creek, Alabama" (Lisa Davis, 2012)
- Forrer, Dorothy "Applications of Landsat-5 TM Imagery in Assessing and Mapping Water Quality in Bankhead Reservoir of the Black Warrior River" (Han, 2012)
- Newhouse, Jeremy (Weber, 2013)
- Rhodes, Cory "Characteristics of Tornadoes Associated with Land-falling Gulf Coast Tropical Cyclones" (Senkbeil, 2012)
- Winstanley, Hunter "Landsat TM-Based Analysis of Land Area and Vegetation Cover Change on Six Selected Alabama and Mississippi Barrier Islands (1984-2011)" (Han, 2013)
- Zimmerman, Bryce "Characterizing Alluvial Benches and Incipient Floodplains in a Piedmont Stream and Investigating Biogeomorphic Feedbacks as a Possible Mechanism for their Occurrence" (Davis, 2012)

UNIVERSITY OF NORTH ALABAMA

Masters (Science):

- Baker, Bradley W. "Relationship between Tropical Cyclone Precipitation and Drought in the Gulf Coast Region of the United States" (Keys-Mathews, Brommer, Strong, and Sim. 2013)
- Buttram, Cayla A. "Infusing Geospatial Technologies into K-12 Social Studies, Science, and Technology Education" (Keys-Mathews, Koti, and Strong, 2013)
- Leavitt, C. Martin "Examining Student Server Weather Behavior During a Hypothetical Tornado Scenario" (Brommer, Fleming, Carrasco, 2014)
- Nall, Robert M. "Understanding Vulnerability: Optimization of a Place-based Vulnerability Model to Floods in Davidson County, Tennessee" (2013)

ARIZONA

ARIZONA STATE UNIVERSITY

PhD:

- Buckman, Stephen "Canal Oriented Development as an Urban Waterfront Development Mechanism" (Talen, 2013)
- Deitrick, Stephanie "Implicit Visualization as Usable Science: Visualizing Uncertainty as Decision Outcomes" (Wentz, 2012)
- Gutbrod, Elyssa "Implementing Rapid Assessment of the Trail Environments of Arid Regions: Indicator Development and Implementation Scenarios" (Dorn, 2013)
- Hwang, Myunghwa "Tile-based Methods for Online Choropleth Mapping: A Scalability Evaluation" (Anselin, 2013)
- Ibes, Dorothy "Advancing Sustainable Urbanism through Civic Space Planning & Design" (Talen, 2013)
- Joseph, Lawrence "An Empirical Mega-Analysis of US Retail Locations: Value Platforms, Real-Estate Maturity, and Deployment Decisions" (Kuby, 2013)
- Kitson, Jennifer "Matter and Mattering in Historic Habitation" (McHugh, 2013)
- Klinge, Joanna "Assessment of Environmental Change in the Near Eastern Bronze Age" (Fall, 2013)
- Krahenbuhl, Daniel "Short Term Exogenic Climate Change Forcing" (Cervený, 2013)

- Landry, Bryan "Modeling Reductions in Greenhouse Gases in Arizona Resulting from California Demand Side Management Programs" (Pasqualetti, 2013)
- Larson, Phillip "Deterministic Mechanisms for the Spatial Distribution and Formation of Arid Terraces: Case Studies from the Basin and Range, Arizona" (Dorn, 2013)
- Li, Xun "Spatiotemporal Data Mining, Analysis, and Visualization of Human Activity Data" (Anselin, 2012)
- Liu, Yin "An Exploratory Toolkit for Examining Residential Movement Patterns at a Micro Scale" (Murray, 2012)
- Malizia, Nicholas "Essays on Space-Time Interaction Tests" (Anselin, 2013)
- Ridder, Elizabeth "Landscape Transformation of Cyprus from 1970 through 2070" (Fall, 2013)
- Turner, Victoria "Sustainable Urbanism: An Integrative Analysis of Master Planned Developments as a Vehicle for Urban Environmental Sustainability" (Gober, 2013)
- Wei, Ran "Addressing Geographic Uncertainty in Spatial Optimazation" (Murray, 2013)
- Yao, Jin "Spatial Optimization Approaches for Solving the Continuous Weber and Multi-Weber Problems" (Murray, 2012)

Masters (Arts):

- Fisher, Sharisse "Evaluation of Hierarchical Segmentation for Natural Vegetation: A Case Study of the Tehachapi Mountains, California" (Wentz, 2013)
- Harrison, Emma "Introducing a Terrestrial Carbon Pool in Warm Desert Bedrock Mountains" (Dorn, 2013)
- Liau, Yan-Ting "Evaluation of Hierarchical Segmentation for Natural Vegetation: A Case Study of the Tehachapi Mountains, California" (Franklin, 2013)
- Nolte, Jessica "The 500hPa Wintertime Pacific Ridge: Characteristics of Position and Intensity and its Influence on Southwest U.S. Precipitation" (Cervený, 2013)

NORTHERN ARIZONA UNIVERSITY

Masters (Science):

- Gaiz, Kerry "Implementation of a Geodatabase and GNSS Data Collection Workflow for the Archaeology Program at the Flagstaff Area National Monuments" (Foti, 2013)
- Goodwin, Greg "Design and Implementation of a Geodatabase for Purshia Subintegra (Arizona Cliffrose)" (Hawley, 2012)
- Hunstberger, Ian "Rocky Mountain Research Station Experimental Forest and Range Representativeness Analysis Report" (Huang, 2012)
- Jones, Michael "Development of a Geodatabase and GPS Data Collection Procedures for Cultural Resources Management of the Flagstaff Area National Monuments" (Schiefer, 2012)
- Ogden, Carmen "Grant Funding for the Mancos Conservation District: The Mancos River Diversion Project" (Hawley, 2012)

Geographic Information Systems Graduate Certificate:

- Allen, Kate (Huang, 2013)
- Ardary, Andrew (Huang, 2013)
- Cassidy, Colleen (Huang, 2012)
- Chang, Tony (Huang, 2012)
- Durham, Sarina (Huang, 2013)
- Furnas, Cade (Huang, 2013)
- Greenawalt, Tina (Huang, 2013)
- Hansen, Bryan (Huang, 2013)
- Hoffman, Christian (Huang, 2013)
- Housholder, Jamie (Huang, 2012)
- Huntsberger, Ian (Huang, 2012)
- Kroner, Andria (Huang, 2013)
- McKever, Shelley (Huang, 2012)
- Patrick, Brian (Huang, 2013)
- Renn, Nathan (Huang, 2012)
- Rudzitis, Sean (Huang, 2013)
- Schmidt, Lily (Huang, 2013)
- Tafoya, Matthew (Huang, 2012)
- Teeter, Sean (Huang, 2012)
- Wandag, Lizz (Huang, 2013)

Community Planning Graduate Certificate:

Briske, McKinney (Hawley, 2012)
Brun, Celina (Hawley, 2013)
McClellan, Michael (Hawley, 2012)
Steinbock, William (Hawley, 2012)
Struble, Elizabeth (Hawley, 2012)

UNIVERSITY OF ARIZONA

PhD:

Clark, Jessie "Security at the Public-Private Divide: Women, Development, and the Everyday Geographies of the Kurdish Question in Turkey" (Marston, 2012)
Lombardo, Keith "Chaparral Fire History and Fire Climate Relationships in the Transverse Ranges of Southern California, USA" (Swetnam, 2012)
McGovern, Jeffrey "The Everyday State and War: The Roles of the United States' and Italy's Veterans in Society Following the First and Second World Wars" (Marston, 2012)
Morin, Cory "Climate and Environmental Influences on the Ecology of Vectors and Vector-Borne Diseases" (Comrie, 2012)
Rodriguez-Gamez, Liz Illena "New Perspectives on the Spatial Analysis of Urban Employment Distribution and Commuting Patterns: The Cases of Mermostillo and Ciudad Obregon, Mexico" (Dall'erba, 2012)
Routsen, Rafael "Agro-Biodiversity Conservation in Baja California Desert Oases" (Robbins and Nabhan, 2012)
Stephens, Monica "From Geo-Social to Geo-Local: The Flows and Biases of Volunteered Geographic Information" (Bailey, 2012)

Masters (Arts):

Fulton, Lauren "Finding Home": Secondary Migration and Relocation Patterns Among Somalis in the United States" (Plane, 2012)
James, Mack "Characterizing the Spatial and Temporal Patterns of Farmers' Market Visits" (Tong, 2012)
Landau, Kathryn, "Predicting Risk of Seasonal Mosquito Presence in an Urban Environment Using High Spatial Resolution Aerial Multispectral Image and LiDAR Data" (vanLeeuwen, 2012)
Malevich, Brewster "Tree-Ring Reconstructed Hydroclimate of the Upper Klamath Basin" (Woodhouse, 2012)
Mauzy, Melissa Exam (Bauer, 2012)
Murdock, Esther "Engaging Hispanic Communities in the National Parks: A Case Study of Saguaro National Park" (Lukinbeal, 2012)
Schmeltzer, Ashley "Production and Analysis of a Decision Support Database to Understand Spatial Variations in Urban Canopy Structures, Temperature, and Water Use: A Remote Sensing" (Yool, 2012)

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

Masters (Arts):

Abdulrahman, Mohammad "Measuring Lateral Erosion and Deposition Upper Owens River, Eastern California" (Orme, 2013)
Aldossary, Ahmed "Analysis of Urban Change Detection Techniques in Desert Cities Using Remote Sensing" (Cox, 2012)
Beattie, Romy N "Beach Process and Rates of Change Within the Zuma Littoral Cell" (Orme, 2012)
Boustani, Mazyar "Development of Geographic Information System for Facilities Management at California State University, Northridge" (Cox, 2013)
Bow, Cady Erin "Disturbance and Landscape Dynamics within the Eastern Deciduous Forest Ecosystem: A Case Study in Letchworth State Park" (Hayes, 2013)
Chen, Jorge "Building a Mobile Web Map for California State University, Northridge" (Maas, 2012)
English, Crystal Y. "Topography of residential burglaries in Atlanta, Georgia" (Graves, 2013)
Evans, Dominique "Creating a Secondary School Level GIS Program" (Dark, 2012)
Geringer, Daniel "Blue note: a greater Texas regional blues hearth" (Graves, 2013)
Harju, Anthony "River Divided: the Fishing Cultures of the Kern River" (Davidson, 2012)
Knell, Matthew "Analysis of the Trees at California State University, Northridge" (Cox, 2012)

McCarter, David Frank "Spatial Analysis of Surf Music: 1961-1966" (Craine, 2012)
McNish, Donald W. "North American Cargo: A Study of West Coast Container Port Inequity and the Underlying Reasons" (Graves, 2012)
Meyers, Eric Christopher "Dark Reality of Domestic Homicide & Cold Weather" (Graves, 2012)
Morrigan, Eryn "Habitat Suitability Analysis of the Coast Horned Lizard (*Phrynosoma coronatum blainvillii*) in the Santa Monica Mountain National Recreation Area" (Hayes, 2013)
Nersesian, Avo "Is Music Becoming Placeless? The Impact of Technology on Nodes of Popular Music Production Between 1991 and 2010" (Graves, 2013)
Neyman, Ilya "Forecasting California Thunderstorms" (Hayes, 2013)
Nick, Andrea Lynne "Efficacy of Fire Suppression Repair Techniques in Preventing Soil Erosion on Dozer Lines in the San Gabriel Mountains" (Orme, 2012)
Nineberg, Jared "Geographic Analysis of single family home foreclosures in the San Fernando Valley" (Craine, 2013)
Patrich, Jeremy "Aeolian sand transport and deposition along the northeast margin of Owens Valley" (Orme, 2013)
Pendleton, Patricia Marie "GIS-based Incident Mapping and Analysis Within the CSU Northridge Department of Police Services" (Dark, 2012)
Sears, Lindsey "Diesel Trucks: Health Risk and Environmental Equity" (Sun, 2013)
Shafer, Anthony "Exploration of Landscape Level Fuel Treatment Strategies for Wildland Fire" (Cox, 2012)
Slivka, Timothy "Methods for Spectrally Unmixing Heterogeneous Pixels in Hyperspectral Datasets Using Bregman Algorithms" (Cox, 2013)
Sun, Jiaqi "Spatial Analysis of Population Exposure to PM2.5 Air Pollution in Los Angeles County, USA" (Maas, 2013)
Valentovich, Tracy "Distribution dynamics and environmental factors associated with recruitment" (Hayes, 2013)
Wilson, Deanna D "Hotspot Analysis of Roadkill in Southern California: a GIS Approach" (Dark, 2012)
Yetter, Laura "Landscape Pattern a Determinate of Coastal California Gnatcatcher (*Poliophtila Californica Californica*) Occupation" (Hayes, 2012)

SAN DIEGO STATE UNIVERSITY

PhD:

Bremer, Leah "Land-use Change, Ecosystem Services, and Local Livelihoods: Social and Ecological Outcomes of Payment for Ecosystem Services in Ecuadorian Paramos" (Farley, 2012)
Crotty, Sean "The Geographic Dimensions of Day Labor Conflict in the San Diego Metropolitan Area" (Bosco, 2012)
Freeman, Mary "An Analysis of Tree Mortality Using High Resolution Remotely-Sensed Data for Mixed-Conifer Forests in San Diego County" (Stow, 2012)
Kim, Ick Hoi "Developing High Performance GIS Simulation Models on Geospatial Cyberinfrastructure: A Case Study of Population Change Models with Grid Computing and Cloud Computing Technologies" (Tsou, 2012)
Swobodzinski, Martin "Exploring Human Decision Making in the Context of Web-Based Public Participation in Transportation Planning" (Jankowski, 2012)

Masters (Arts):

Cimarsa, William "San Diego's East Village Community Action Network: Scales of Power and Citizenship in a Contemporary City" (Bosco, 2012)
Cortez, Samuel "Globalization and Mexican Immigrant Youth in the US-Mexico Border" (Aitken, 2012)
Porcella, Audrey "Reap What you Sow: Social Capital in Community Gardens" (Joassart-Marcelli, 2012)

Masters (Science):

Dragan, Chad "Modeling Neighborhood Boundaries and Definitions: A Mixed Method Approach" (Weeks, 2012)
Elder, Philip "Designing and Implementing a Web Mapping Service with User-Centered Design and the Sensor Web: A Case Study in the San Diego River Watershed" (Tsou, 2013)
Lusher, Daniel "IP Addresses: Exploring the Nature of the Geographic Data and Patterns that can be Extracted" (Tsou, 2013)
Messina, Alex "Mapping Drought in the Krishna Basin with Remote Sensing" (Biggs, 2013)
Tidwell, Tim "Image Classification Approaches for Mapping Arundo Doax Along the San Diego River Using High Spatial Resolution Imagery" (Stow, 2012)
Urata, John "Social Media Information Landscape: A Case Study in the Spatial, Semantic and Temporal Patterns of GPS-Enabled Tweets" (Tsou, 2012)

SAN FRANCISCO STATE UNIVERSITY

Masters (Arts):

- Cunningham, Rachel. "Public Perceptions of Levees and Risk: A Natomas, Sacramento, California Case Study" (Wilkinson, Donovan: Spring 2013)
- Dransfield, Andrea. "Hotspot Analysis of Humpback Whales along Cordell Bank and the Gulf of the Farallones, Central California" (Hines, Holzman, Jahncke: Fall 2012)
- Feldman, Caleb. "Grassroots Science: Power, Knowledge, and Participation in the San Francisco Bay" (Holzman, Donovan: Spring 2013)
- Good-Swan, Paris. "A Spatial Analysis of Pitch Canker in Point Reyes National Seashore" (Holzman, Blesius: Fall 2012)
- Grant, Cassa. "Selling the City of Oz: Promoting development with green branding in San Francisco" (Wilkinson, Guo: Spring 2013)
- McGowan, Jennifer. "Using seabird habitat modeling to inform ocean zoning in Central California's National Marine Sanctuaries" (Hines, Davis, Jahncke: Fall 2012)
- Slocombe, Michelle. "Morphology of Small, Discontinuous Montane Meadow Streams in the Sierra Nevada" (Davis, Oliphant: Fall 2012)

Masters (Science):

- Camarena, Jose Juan. "An Object-Oriented Classification of Muir Woods using the Synergy of LiDAR and Multispectral Data" (Blesius, Liu, Hines: Spring 2013)
- Goedecke, William. "Efficacy of Mathematical Models Using Physical Soil Factors in Determining Landslide Hazard" (Blesius, Davis, Hiatt: Spring 2013)
- O'Beirne, Dara. "Measuring the Urban Forest: Comparing LiDAR derived tree heights to field measurements" (Davis, Blesius: Fall 2012)

UNIVERSITY OF CALIFORNIA, BERKELEY

PhD:

- Adachi, Yosuke "A New Model to Construct Ice Stream Surface Elevation Profiles and Calculate Contributions to Sea-Level Rise" (Cuffey, 2012)
- Arbona, Javier "After the Blast: Building and Unbuilding Memories of Port Chicago" (Walker, 2013)
- Brahinsky, Rachel "The Making and Unmaking of Southeast San Francisco" (Walker, 2012)
- Brown, Sandra "Fairness for Whom? Regulating Banana Production through Voluntary Certification and Labeling" (Walker, 2012)
- Kao, Shih-Yang "The City Recycled: The Afterlives of Demolished Buildings in Post-war Beijing" (Walker, 2013)
- Sengupta, Dyuti "Models of Five Climatically Sensitive Taxa in Central and Northwestern Mexico During the Present, the Mid-Holocene and the Last Glacial Maximum" (Byrne, 2012)
- Thottathil, Sapna "Incredible Kerala? A Political Ecological Analysis of Organic Agriculture in the 'Model for Development'" (Kosek, 2012)

UNIVERSITY OF CALIFORNIA, DAVIS

PhD:

- Aguaron-Fuente, Elena "Assessment of Carbon Storage by Sacramento's Urban Forest" (McPherson, 2012)
- Harper, Amie L. "Vegan Consciousness and the Commodity Chain: On the Neoliberal, Afrocentric, and Decolonial Politics of 'Cruelty-Free'" (Nettles, 2013)
- Haverkamp, Paul J. "Vegetation and Animal Distribution in Eastern Somuncura Plateau, Argentina" (Ustin, 2013)
- Hiner, Colleen C. "Changing Landscapes, Shifting Values: A Political Ecology of the Rural-Urban Interface" (Galt, 2012)
- Koo, Jayoung "Re-Created Urban Landscapes: Brownfields as Sustainable Public Open Spaces" (Wheeler, 2012)
- Lee, Jing Fong "Heterogeneity Among Motorists in Traffic Congested Areas in Southern California" (Quinn, 2012)
- Mantor, Margaret "Antipredator Behavior of California Ground Squirrels (*Otospermophilus beecheyi*)" (Hart, 2012)
- Robinson, Gerrie L. "Reading Historic Landscapes: Processes Appropriate to Read the Landscapes of the First Euro-American Settlers of Yolo County, California, 1840-1880" (Owens, 2013)
- Tobias, Michele M. "California Beach Plant Biogeography, Effects of Foot-Traffic Concentration, and Low-Altitude Aerial Photography" (Elliott-Fisk, 2012)
- Zagofsky, Tara M. "Civic Engagement Unbound Social and Spatial Forms of Inclusion/Exclusion in Low-Income and Multi Ethnic Communities" (Campbell, 2013).

Masters (Arts):

- Chin, Mark W. "Microclimatic Relationships Between and Endangered Butterfly and It's Sole Host Plant at the Antioch Dunes, California" (Elliott-Fisk, 2013)
- Hubert, George D. Plan II (London, 2013)
- Manfree, Amber D. Plan II (Greco, 2012)
- McHenry, Jennifer L. Plan II (Owens, 2013)
- Totton, Gayle M. "Spiral Journeys: Exploring Native American World Views by Reading the Spiritual Language of Landscape, and the Development of a Culturally Competent Method of Landscape Design" (Rios, 2012)
- Warrick, Alice A. "Postfire Chamise Chaparral Succession in the Interior North Coast Range of California" (Barbour, 2012)

UNIVERSITY OF CALIFORNIA, LOS ANGELES

PhD:

- Dvorak, Anna "A Hidden Immigration: The Geography of Polish-Brazilian Cultural Identity" (Bell, 2013)
- Ford, O.T. "Parallel worlds: empirical region and place" (John Agnew, 2013)
- Miller, Eric Joel "Nomadic and domestic: dwelling on the edge of Ulaanbaatar, Mongolia" (Professor Michael Curry, 2013)

Masters (Arts):

- Rovzar, Corey "Modeling the potential distribution of endangered, endemic *Hibiscus brackenridgei* on Oahu to assess the impacts of climate change and prioritize conservation efforts" (Gillespie, 2013)
- Ward, Jason "Exploring the Link between Anomalous Sea Ice Variability and Polynyal Activity in the Ross Sea, Antarctica" (Raphael, 2013)

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

PhD:

PhDs awarded through joint program with San Diego State University (SDSU) noted in parentheses

- Brachman, Micah "Modeling Evacuation Vulnerability" (Church, 2012)
- Bradley, Eliza "Characterizing Methane Emissions at Local Scales with a 20 Year Total Hydrocarbon Time Series, Imaging Spectrometry, and Web Facilitated Analysis" (Roberts, 2013)
- Bremer, Leah (SDSU) "Land-use Change, Ecosystem Services, and Local Livelihoods: Ecological and Socio-economic Outcomes of Payment for Ecosystem Services in Ecuadorian Paramo Grasslands" (Farley (SDSU), 2012)
- Crotty, Sean (SDSU) "The Geographic Dimensions of Day Labor Conflict in the San Diego Metropolitan Area" (Bosco (SDSU), 2012)
- Freeman, Mary Pyott (SDSU) "An Analysis of Tree Mortality Using High Resolution Remotely-Sensed Data for Mixed-Conifer Forests in San Diego County" (Stow (SDSU), 2012)
- Glennon, Alan John "Analysis of Geographically Embedded Networks" (Goodchild, 2013)
- Kim, Ick Hoi (SDSU) "Developing High Performance GIS Simulation Models on Geospatial Cyberinfrastructure: A Case Study of Population Change Models with Grid Computing and Cloud Computing Technologies" (Tsou (SDSU), 2012)
- Reith, Ernest "A Multitemporal, Multisensor Approach to Mapping the Canadian Boreal Forest" (Roberts, 2012)
- Suter, Laurel "Land Succession and Intensification in the Agricultural Frontier: Sierra del Lacandón National Park, Guatemala" (Lopez-Carr, 2012)
- Swobodzinski, Martin (SDSU) "Exploring Human Decision Making in the Context of Web-Based Public Participation in Transportation Planning" (Jankowski (SDSU), 2012)

Masters (Arts):

- Belyea, Bree Anna "Degree by examination" (Roberts, 2012)
- De Moor, Emily "The Impact of Household HIV/AIDS on Fuel, Water and Subsistence Livelihoods: Evidence from the 2008-2009 Kenyan Demographic Health Survey" (Chadwick, 2012)
- Greer, Burke "Biogeography of Aspen (*Populus tremuloides*) in North America: Inferring Climatic Niche Differentiation" (Still, 2012)
- Hanshaw, Maiana "Glacial Areas, Lakes Areas, and Snowlines from 1975-2012: Status of the Cordillera Vilcanota, Including the Quelccaya Ice Cap, Northern Central Andes, Peru" (Bookhagen, 2013)
- Harris, Sarah May "A Comprehensive Analysis of Precipitation in Santa Barbara, California, on Hourly to Interannual Timescales" (Carvalho, 2013)
- Niblett, Timothy "The Maximal Covering/Shortest Path Problem Revisited: An Examination and Reformulation of the Problem to Allow the Elimination or Attachment of Sub-Tours" (Church, 2013)

Vitale, Matthew "Regional Wind Power Development and System Integration; A Model for Optimal Site Selection" (Church, 2013)

UNIVERSITY OF REDLANDS

Masters (Science):

- Albanki, Yousif "A Web-Based Application for the Redlands Fire Department" (Ren, 2012)
- Alburshaid, Yasser "A Multi-touch GIS-based Tour for Museum Exhibits" (Kumler, 2012)
- Algarni, Abdulrahman "Proposing New Bus Stops for the Recipients of Building Stable Lives Program in Chattanooga, Tennessee" (Ren, 2013)
- Alharbi, Basim "Creating a Vibrant Place for the City of Redlands Assessing the Suitability of an Abandoned Downtown Space for Mixed Use" (Ren, 2013)
- Angelsen, Ragnhild "Web GIS for Home Care Services" (Kumler, 2012)
- Breton, Gregg "Editing and Sharing Water Quality Data in Yukon Alaska" (Ma, 2013)
- Brooks, Amber "Modeling the Impact of Terrain on Wind Speed and Dry Particle Deposition Using Wind Ninja and ArcGIS Spatial Analyst" (Flewelling, 2013)
- Bundy, Rocky "A Community Map of the University of Redlands" (Flewelling, 2013)
- Cid, Papantzin "Categorization of Unique Landscape Units for Hydromodification Planning and Management" (Kumler, 2013)
- Cruz Merrero, Wilmarie "Orthorectifying Historical Imagery Using the Rational Function Model" (Ma, 2012)
- Davis, Andrew "A Route Generation Toolset for Produce Distribution" (Ma, 2013)
- Eyelade, Oludamilola "Net Zero Water Study for Fort Irwin California" (Ma, 2013)
- Gleason, Abigail "Translating Monsoon Event Precipitation into Rainfall Estimates for Joshua Tree National Park" (Ma, 2013)
- Goetz, Sara "ArcGIS Tool Implementation of Risk Terrain Modeling" (Ren, 2012)
- Herning, James, "A Web GIS for Oasis Ranch Management," (Kumler, 2013)
- Hutsel, Amanda "A Web GIS for the Economic Department in Highland, CA" (Ren, 2012)
- Janzen, Nicholas "Crash Site Debris Recovery Mobile Application" (Kumler, 2012)
- Kato, Gakumin, "Sharing Community Resiliency Information Through Mobile Web Application" (Ma, 2013)
- King, Melody "Managing Marine Mammal observations Using a Volunteered Geographic Information Approach" (Flewelling, 2013)
- Kwon, Pil "Analyzing Southern California Residential Real Estate Prices: A Spatio-Temporal Approach" (Ren, 2012)
- Lertsakdadet, Chalermpon "Mobile GIS Web Application for Agri-Empire" (Kumler, 2012)
- Molis, Andrew "Modeling Hydrologic Impacts of Land Cover Changes to the Deauhou Aquifer" (Ma, 2013)
- O'Connor, Dene Solid Waste Collection Vehicle Route Optimization for the City of Redlands, California" (Kumler, 2013)
- Okembo, Clifford "Web Maps for Environmental Learning at Highland San J. Racadio Library and Environmental Learning Center" (Ma, 2013)
- Persaud, Haimwant "Monitoring Community Health Using a Web-based GIS Application" (Ma, 2013)
- Wade, Almamy "Prototyping an EGIS for the Environmental Monitoring Center, Senegal" (Baber, 2013)
- Woizesko, Andrew "A Prototype Path Prediction Tool" (Ma, 2013)
- Yembu, John "Assessment of Climate Change Scenarios in the Yukon River Basin"

UNIVERSITY OF SOUTHERN CALIFORNIA

PhD:

- Kim, Oh Seok "A Spatially Explicit Approach to Measuring Carbon Dynamics for Reducing Emissions from Deforestation and Forest Degradation: A Case Study of Chinese Forests" (McKenzie, 2013)

Masters (Science):

- Abbott, Russell M. "Investigation and Analysis of Land Use / Tree Cover to Determine the Impact of Policy Developments in Cities" (Longcore, 2012)
- Benton, Joshua J. "An Analysis of the North Rainier Elk Herd Area, Washington: Change Detection and Habitat Modeling with Remote Sensing and GIS" (Longcore, 2013)
- Chen, Stephanie "Investigating Bus Route Walkability: Comparative Case Study in Orange County, California" (Vos, 2012)

- Eddings, Justin "Geographic Information Systems Eelgrass (Zostera Marina) Habitat Restoration Suitability Model Long Island Sound, USA – A 'Sound-Wide' Model" (Kemp, 2012)
- Gervais, Stephen O. "Out-Of-School Suspensions by Home Neighborhood: A Spatial Analysis of Student Suspensions in the San Bernardino City Unified School District" (Wilson, 2012)
- Jablonicky, Caroline A. "Spatial Distribution of the Nile Crocodile (Crocodylus niloticus) in the Mariarano River System, Northwestern Madagascar" (Longcore, 2013)
- Kellison, Michael Taylor "Address Points and Master Address File: Improving Efficiency in the City of Chino" (Hastings, 2012)
- Munsell, Devon "Closed Landfills to Solar Energy Power Plants: Estimating the Solar Potential of Closed Landfills in California" (Vos, 2013)
- Oulton, Allison "Community Gardens for Social Capital: A Site Suitability Analysis in Akron, Ohio" (Vos, 2012)
- Parker, Mary Elizabeth "Data Overload in Unmanned Aircraft Systems: Improving Bandwidth Utilization through Wavelet Compression" (Kemp, 2013)
- Peña, Eric Nathaniel "Using Census Data, Urban Land-Cover Classification, and Dasymeric Mapping to Measure Urban Growth of the Lower Rio Grande Valley, Texas" (Rashed, 2012)
- Schrader, Lucian Norman, III "Demonstrating GIS Spatial Analysis Techniques in a Prehistoric Mortuary Analysis: A Case Study in the Napa Valley, California" (Kemp, 2013)
- Schultz, Alexander John "The Role of GIS in Asset Management: Integration at the Otay Water District" (Vos, 2012)
- Stickney, Andrew Levi "Improving the Communication of Water Allocation Decisions Using Interactive Maps" (Vos, 2012)

COLORADO

UNIVERSITY OF COLORADO BOULDER

PhD:

- Clarke-Sather, Afton "From the Heavens to the Markets: Development, Nation and the Mediation of Water in Northwest China" (Oakes, 2012)
- Cumming, William Frank Preston "Fine Scale Climatic and Soil Variability Effects on Plant Species Cover along the Front Range of Colorado, USA" (Beatty, 2013)
- Holland, Edward "Buddhism in Post-Soviet Russia: the Geographic Contexts of 'Revival'" (O'Loughlin, 2012)
- Hong, Jung Eun "Web-Based GIS for Middle School Teachers: Using Online Mapping Applications to Promote Teacher Adoption" (Foote, 2012)
- Levy, Adam "Territory and Sovereignty in a Borderland: the Case of Moldova" (O'Loughlin, 2012)
- Linke, Andrew "Post-Election Violence in Kenya: Place-Based Explanations of Conflict" (O'Loughlin, 2013)
- McGrath, Daniel "Basal Crevasses and Suture Zones in the Larsen C Ice Shelf, Antarctica: Implications for Ice Shelf Stability in a Warming Climate" (Steffen, 2013)

Masters (Arts):

- Akeson, Cole "Scale, Funding and the Law in Ukraine: Delocalizing Organizations and Impoverishing Movements" (Dunn, 2013)
- Alvarez, Claudio "Influence of Climate Variability on Radial Growth of *Nothofagus pumilio* near Altitudinal Treeline in the Andes of Northern Patagonia, Chile" (Veblen, 2013)
- Anderson, Scott "Sediment Fluxes in a Changing Climate: Tahoma Creek Over Daily to Centennial Time-scales" (Pitlick, 2013)
- Brayden, Benjamin "Mountain Pine Beetle Impacts on Tree Resources and Growth Release in Lodgepole Pine Dominated Subalpine Forest" (Beatty, 2013)
- DeBoom, Meredith "Critical Geopolitics of Foreign Involvement in Namibia: A Mixed Methods Approach" (O'Loughlin, 2013)
- Gleason, Michael "Modeling Pixel Level Error in Fine-Resolution Digital Elevation Models: A Regression-Based Approach" (Buttenfield, 2012)
- Kelly, Patrick "Subsurface Evolution: Characterizing the Physical and Geochemical Changes in Weathered Bedrock of Lower Gordon Gulch, Boulder Creek Critical Zone Observatory" (Anderson, 2012)
- Meromy, Leah "Subalpine Snowpack-Climate Manipulation and Modeling Experiment at Niwot Ridge, CO and Valles Caldera National Preserve, NM" (Molotch, 2012)
- Perrot, Danielle "Nitrate Export to Spatially Distributed Snowmelt in Alpine Catchments" (Molotch, 2012)

- Rowen, Ian "Chinese Tourists in Taiwan: Tourism and State Territoriality" (Oakes, 2012)
- Xu, Li "Improving the Spatial Accuracy of Mobile Positioning Data Based on Fine-scale Human Mobility Pattern Analysis" (Foote, 2013)
- Zeliff, Morgan "Hydrochemistry, Residence Time and Nutrient Cycling of Groundwater in Two, Climate-Sensitive, High-Elevation Catchments, Colorado Front Range" (Williams, 2013)

UNIVERSITY OF COLORADO, COLORADO SPRINGS

Masters (Arts):

- Bellizio, Bret "Wildlife Population Estimation Utilizing Satellite Imagery" (Gibbes, 2013)
- Hassler, Andrea "Restoration in the Hayman Burn Area: A Multi-Modal Analysis of the Integration of Social and Ecological Values and Land Cover Change in a Post-Fire Restoration Case Study" (Havlick, 2013)
- John, Matthew "Sehnsucht as a Construct for Understanding Attachments to Beautiful, Natural Places" (Havlick, 2012)
- Muhlestein, Geoffrey "An Evaluation of a GIS-Based Procedure for Estimating Probable Maximum Precipitation over the Piru Creek Basin" (Vogt, 2012)
- Pittman, Kari "Between Rock Art and Graffiti: A Holistic Geospatial Approach Using Historic Imagery to Identify Culture Change and Ethnic Interactions in the Borderlands of Southeastern Colorado" (Vogt, 2013)
- Siebert, M. Nate "Agents of Gentrification: Police Surveillance in the Mile-High City" (Harner, 2013)
- Walke, Peter "Understanding Traditional Neighborhood Marketing: A Case Study of the Patty Jewett Neighborhood" (Harner, 2013)

UNIVERSITY OF DENVER

PhD:

- Bhattacharjee, Sutapa "The Impact of Rail Transit on the Denver Metro Region: Transportation and Land Use" (Goetz, 2013)
- Weaver, Amanda "Fresh Squeezed: The Dilemma of Local Food Production along Colorado's Front Range Urban Corridor" (Goetz, 2013)

Masters (Arts):

- Alvarado, Nikolai "Del mar quién es dueño? Artisanal Fisheries, Tourism Development, and the Struggles Over Access to marine Resources in Playa Gigante, Nicaragua" (Taylor, 2013)
- Brady, Sylvia "Mobility of the Aging in Denver, CO: Travel Behaviors, Mobility Barriers, and Perceptions of Transit" (Boschmann, 2013)
- Brenton, William "Episodic Recruitment and Climate Analysis of Ponderosa Pine on the Palmer Divide, Eastern Colorado" (Sullivan, 2012)
- Brice, Rebecca "A Paleoenvironmental Investigation of Wind in Lacustrine Sediments of the Southern Rocky Mountain Region" (Kerwin, 2013)
- Kwoka, Greg "The Impact of Transit Oriented Development on the Travel Behaviors of Workers in Denver, Colorado" (Boschmann, 2013)
- Thunen, Diana "The Urban Heat Island and its Influence on Precipitation in Denver, CO" (Kerwin, 2013)

CONNECTICUT

CENTRAL CONNECTICUT STATE UNIVERSITY

Masters (Science):

- Bazinet, Natalie "The Role of Geography in Post-traumatic Stress Disorder: Tracking the Terrorist within Veterans" (Pope)
- Dion Burns, Margot "A Viewshed Education Model: (Button)
- Obeng, George B "A Prototype GIS for Automated Land Title Registration: A Case Study of Land Records Management in the Greater Accra Region, Ghana" (Kyem)
- Sam, David "Using a Geographic Information System to Assess the Vulnerability of Aquifer Systems to Nitrate Leaching: A Case Study of Hartford County (Kyem)
- Worthington, Laura "Tracing the Evolution of Environmental Sustainability as a Concept and as an Application at the Four Connecticut State Universities" (Button)

UNIVERSITY OF CONNECTICUT

PhD:

- Bentley, George "Analyzing Land Covers in the context of Kuznets Curves" (Hanink, 2013)
- Franek, Benjamin "On Stream Assessment: Human Perception and Spatiotemporal Delineation of Geomorphic Units" (Trumbull, 2013)
- Lin, Jie "Intelligent Isopleth Mapping" (Cromley, 2013)
- Liu, Zhiqiang "Geographical Concentration of Manufacturing Industries in China-Measurements and Determinants" (Hanink, 2013)
- Lynch, Cary "Observed and Projected Climate Variability in the Northeast United States from CMIP5" (Seth, 2013)

Masters (Arts):

- Bradshaw, Allison "A Spatial Analysis of West Nile Virus in Texas, 2012" (Ghosh, 2013)
- Thomas, Logan Thomas "The Status of Economic and Social Rights in Appalachia" (Berentsen, 2013)

DELAWARE

UNIVERSITY OF DELAWARE

PhD:

- Bogart, Tianna "Sensitivity of a global climate model to the urban land unit" (Hanson and Legates, 2013)
- Siebert, Courtney "Synoptic climatological approaches to assessing subcanopy hydrological and nutrient fluxes in a temperate deciduous forest" (Levia, 2013)
- Stotts, Stephanie "A riparian woody vegetation and riverbanks: An exploration of riparian tree reflection and control of fluvial processes along South River, Virginia" (O'Neal, 2013)

Masters (Arts):

- Leiper, Chelsea "Co-creating an alternative: The moral economy of consumer and producer motivations for participating in farmers' markets" (Clarke-Sather, 2014)

Masters (Science)

- Benjamin, Andrew "A synoptic climatology of tornadoes in the northeastern United States" (Leathers, 2013)
- Callahan, John "Estimation of precipitable water over the Amazon Basin using GOES Imager" (DeLiberty, 2014)
- Cariso, Sebastian "Evaluating areal errors in northern Cascade glacier inventory" (O'Neal, 2012)
- Downton, Asia "Developing a drought climatology for Delaware (1948-2005)" (Legates, 2012)
- Hayes, Alison "A synoptic climatology of severe convective winds in the northeastern United States" (Leathers, 2012)
- Ingram, Abigail "The impact of tropical circulation systems on the Chesapeake Bay region: A climatology and damage assessment" (Leathers, 2012)
- McGowan, Laura "The influence of snow cover on wintertime nor'easters" (Hanson, 2013)
- Nickl, Elsa "Variability in land-surface precipitation over 100-plus years with emphasis on mountainous regions" (Willmott, 2012)
- Remar, Alexander "Multivariate geospatial detection and quantification of ecological thresholds corresponding to dispersion of Castor canadensis Kuhl (North American beaver) in central Massachusetts" (Levia, 2013)
- Schroeter, Derek "Evaluating water resources in California using a synoptic typing methodology" (Leathers, 2014)
- Suriano, Zachary "Lake-induced snowfall associated with Lakes Erie and Ontario in CMIP5 GCMs" (Leathers, 2014)
- Wedo, Andrea "Boulder orientation, shape, and age along a transect of the Hickory Run Boulder Field, Pennsylvania" (O'Neal, 2013)

DISTRICT OF COLUMBIA

GEORGE WASHINGTON UNIVERSITY

Masters (Arts):

- Dell, Jessica "A GIS-Based Process Model for Transitional Settlement Site Selection" (Rain, 2013)

Miller, Eileen "Creative Places: Post-Industrial Cultural Districts in the Urban Northeast" (Benton-Short, 2013)
 Osborne, Amanda "Seeds of Threat: Insecure Tenure and Governance in the Community Gardens of D.C." (Benton-Short, 2013)
 Salikuddin, Azher "Public Gold Transportation: An Examination of Transportation at LEED Gold Municipal Buildings" (Keeley, 2013)
 Swales, Timothy "Quantitative Assessment of Climate Change on Infrastructure in Russian Permafrost Regions" (Shiklomanov, 2013)

FLORIDA

FLORIDA INTERNATIONAL UNIVERSITY

PhD:

Alejandro Angee "Wage Matters and Globalization: South Florida's Low-Wage, Immigrant Plant Nursery Workers and Business Protectionism in the Age of Neoliberalism" (Stepick, 2012)
 Karen Mahar "Not Getting By: Poverty Management and Homelessness in Miami. Urban Inequality and Social Capital" (Stepick, 2012)
 Klotz, Ryan "Sustainable Rural Development Through Alternative Economic Networks: Redefining Relations in the Commodity Chain For Export Vegetables In Western Guatemala" (Grenier, 2012)
 Rebecca Garvoille "Sociocultural Complexities of Ecosystem Restoration: Remaking Identity, Landscape and Belonging in the Florida Everglades" (Ogden, 2012)

FLORIDA STATE UNIVERSITY

PhD:

Hodges, Robert "Understanding and predicting the regional sun-hurricane count relationship" (Elsner, 2013)
 Huff, Brad "The cultural landscape analysis of the domain-centered place-based community of Ave Maria, Florida" (Mesev, 2012)
 Kingon, Kelly "Mapping, classification, and spatial variation of hardbottom habitats in the northeastern Gulf of Mexico" (Zhao, 2013)
 Layman, Charles "Modeling and evaluating changes to the urban structure" (Horner, 2012)

Masters (Science)

Strikas, Ona "An investigation towards spatially modeling the mechanisms for spatial differentiation of cloud-to-ground lightning in the Atlanta, Georgia region" (Elsner, 2012)

UNIVERSITY OF FLORIDA

PhD:

Adu-Brempong, K. "Urban Economies and Globalization: Exploring Externally-Induced Urban Expansion and Impact on Peri-Urban Land in Accra, Ghana" (Fik, 2012)
 Cañas, C. "From Regional Climate to River Ecology: Hydroclimatology and Fish Species Richness in Southeastern Peru" (Waylen, 2012)
 Garcia, Andres "Human and Infection Movement Modeling for Strategic Disease Control and Elimination Planning in Resources Poor Environments" (Tatem, 2013)
 Huang, Zhoujie "The Role of the Global Air Travel Network in Vector-borne Disease Connectivity and Spread" (Tatem, 2013)
 Mosethi, B. "The Influence of Chobe National Park on People's Livelihoods and Conservation Behaviors" (Child, 2012)
 Mullins, Jocelyn "Combining Genetic Diversity and Spatio-Temporal Data to Characterize the Spatial Ecology of Anthrax across Multiple Scales" (Blackburn, 2013)
 Mupeta, P "Democratization of Wildlife Management: a Comparative Study of the Community Based Natural Resource Management (CBNRM) Programs in Botswana and Zambia" (Child 2012)
 Parent, G. "Vulnerability, Resource Use, and Market Access in South Africa", (Child, 2012)
 Pindolia, Deepa "Quantifying Human Population Movement for Malaria Control and Elimination Planning in East Africa" (Tatem, 2013)
 Sun, Jing "Quantitative Analysis of Deforestation Pattern Dynamics: Developing Forest Resilience Metrics in an Amazon Frontier" (Southworth, 2013)
 Szymszewska, Anna "Analyzing Seasonal Risk Indicators of Mediterranean Fruit Fly *Ceratitis Capitata* (Medfly) Importation into Florida via Commodity Imports and Passenger Traffic" (Tatem, 2013)

Tsai, H. "A Spatial-Temporal Analysis of Vegetation Change, Land Cover Change, and Health Impacts in Florida" (Southworth and Waylen 2012)
 Yang, Yang "Modeling Tourist Flows and Economic Impacts: a Spatial Perspective" (Fik, 2013)

Masters (Science):

Carlsson, E. "Understanding Influences on Harvesting Species of the Genus *Heteropsis* and Basket Production by Indigenous Ye'kwana of the Orinoco Basin, Venezuela" (Smith, 2012)
 Falkner, Michael "Spatio-Temporal Dynamics of *Aedes Taeniorhynchus* Mosquito in Sarasota County, Florida" (Mao, 2013)
 Hightower, J. "Examining the Distribution of *Francisella Tularensis*, the Causative Agent of Tularemia, in Ukraine Using Ecological Niche Modeling" (Blackburn, 2012)
 Horan, A. "Streambank Erosion on the Restored Lower Kissimmee River, Florida: What Site Factors Influence Rates?" (Mossa, 2012)
 Jia, P. "Modeling High-Resolution Gridded Population Surface in Alachua County, Florida" (Qiu, 2012)
 Jones, Michal "Evaluation of a Feature Extraction Method for Use in River Planform Analysis" (Mossa, 2013)
 Morris, Lillian "Informing Surveillance for the Lowland Plague Focus in Azerbaijan" (Blackburn, 2013)
 Patel, Nirav "Measuring Spatial Accessibility to HIV and TB Treatments in Ahmedabad City, India: a GIS-Based Approach" (Mao, 2013)
 Xia, Yibin "Estimating the Impact of Foreclosures on Housing Prices in Orlando, Florida: A Hedonic Modeling Approach" (Fik, 2013)

GEORGIA

UNIVERSITY OF GEORGIA

PhD:

Andersen, Theresa "The "brown ocean" concept: A spatio-temporal and theoretical analysis of intensifying tropical cyclones over land" (Shepherd, 2013)
 Pickren, Graham "Understanding The Emerging e-Waste Regime: The Politics Of Certification And Labeling In The Electronics Recycling Industry " (Heynen, 2013)
 Rhodes, Jason "Finding Value in Racism: The Spatial Choreography of Black & White in Early Twentieth Century Atlanta" (Nik Heynen, 2013)
 Suther, Bradley "Stratigraphy, Paleohydrology, and Soil Variability in Late Quaternary River Valleys of the Southeastern Atlantic Coastal Plain, USA" (Leigh, 2013)

Masters (Arts):

Gonsalves, Nicholas "The Political Ecology of Climate Adaptation Planning in New York City" (Rice, 2013)
 Howerton, Gloria "Coding of place and non-distance barriers to food access in neighborhood grocery stores: a case study in Athens, Georgia" (Trauger, 2013)
 Miller, Charles "X Marks the Spot: Decoding the Hurricane Katrina 'X' through Urban Memory of New Orleans Residents" (Holloway, 2013)
 Purdum, Leanne "The Immigrant as the Problem, Law as the Solution: An Analysis of Georgia House Bill 87" (Ross, 2013)
 Underwood, Stanley "A Deleuzian Analysis of Reproductive Justice Politics: Rethinking the Political Significance of affect and Identity" (Heynen, 2012)

Masters (Science)

Brown, Christopher "Characterizing the Socioeconomics of Metropolitan Transportation Network Expansion by Mining a Nationwide Road Change Database" (Yao, 2013)
 Chen, Yijie "Seasonality of Low Birth Weight Prevalence and Effects of Heat Stress on Birth Outcomes in Georgia, U.S" (Mu, 2013)
 Combs, Brandon "A Shark Attack: Implications of the Fin Trade in Costa Rica" (Sarmiento, 2013)
 Jensen, Carrie "Scales and Arrangements of Large Wood in Streams of the Blue Ridge Mountains" (Leigh, 2013)
 Strother, Christopher "Detection And Analysis Of Extraordinary Tree Heights In The Great Smoky Mountains National Park Using Regional Scale Lidar Data" (Madden, 2013)
 Wei, Jingmei "A Synthesis of Point Snow Depth Observations and a Satellite Snow Depth Product" (Mote, 2013)
 Wei, Zhaoying "A study of spatial accessibility of elderly people to health facilities in metro Atlanta using a categorical multi-step floating catchment area method" (Yao, 2013)

Wu, Jiaying "A Chironomid-based Reconstruction of Late Holocene Environmental Change in Southern Costa Rica" (Porinchu, 2012)
 Zhu, Shuyuan "Investigating The Spatial And Temporal Changes Of Travel Pattern Between 2005 And 2010 In Beijing" (Yao, 2013)

HAWAII

UNIVERSITY OF HAWAII AT MANOA

PhD:

Dutt, Sugato, "Crafting the Inviolable Space: Ideologies, Rules and Resources in an Indian Tiger Reserve-A Study of Protected Area Governance" (Wester)
 McLeod, Elizabeth, "Developing a Vulnerability and Adaptation Assessment Framework for Application in Tropical Island (Szuster)
 Pramono, Albertus, "Ngekar Utatn Raat Kite: A Look into Cartographic Encounters in Counter-Mapping Exercises in West Kalimantan, Indonesia" (Murton)
 Tsujita, Masami, "The Samoan Aidscape: Situated Knowledge and Multiple Realities of Japan's Foreign Aid to Samoa" (McDonald)

Masters (Arts):

Cooper, Hannah, "Mapping Inundation Uncertainty Using LiDAR" (Chen)
 Ireland, Jay, "Events, Representation, and Immigration: The Political Discourse of Arizona's SB1070"
 La Pierre, Lance, "Cultural Attachment and Restoring Kindred Connections to Uhiuhi [Mezoneuron (Reece Jones) kavaense (H. Mann) Hillebr.], a Critically Endangered, Endemic Tree of Hawaiian Dry and Mesic Forests" (Jorgensen)
 Lubura-Winchester Borjana, "Humanitarian Intervention in Libya: Fighting for Human Rights or for Regime Change" (Jones)
 Schubert, Olivia, "Changes in Vegetation and Environment Over the Holocene Kaau Crater, Oahu, Hawaii" (Beilman)
 Stender, Yuko, "Evaluation of Coral Reef Seascape in Ahihi Kinau, Maui with Perspectives in Landscape Ecology" (Sutherland)
 Wang, Kuan-Chi, "Techno-Production Network and Edamame Trade Between Taiwan and Japan" (Jones)

ILLINOIS

NORTHEASTERN ILLINOIS UNIVERSITY

Masters (Arts):

Aaron P. Wernick: "Land Use and Its Impact on Crime in Areas Adjacent to Chicago Transit Authority Train Stations"
 Agnieszka O. Szajna
 Angela M. Spinasanta
 Anja K. Claus: "Chicago Wilderness: A Case Study in an Ethics of Place"
 Anna E. Wagner
 Benjamin N. Bauman: "Deterministic Address Matching Using Fuzzy Regular Expressions"
 Gary J. Teune, Jr.
 Jared Q. Pilbeam
 Justin R. Chappelle: "Ephemeral Pond Identification Using Remote Sensing Techniques in Southeastern Wisconsin's Varied Landscape"
 Paisly Di Bianca: "A Comparative and GIS Analysis of Chicago Transit Authority and Tokyo Metro Train Stations"
 Stephanie M. Devenny

NORTHERN ILLINOIS UNIVERSITY

Masters (Science)

Hari, Alexander J. "Assessing Human Encroachment Along Forest Preserve Borders in Kane County, IL" (D. Goldblum, 2013)
 Herbert, Grant D. "A Usability Evaluation of 2D and 3D Representations for Urban Planning" (X. Chen, 2013)
 Peterson, Benjamin P. "The Role of Natural Amenities in the Growth of the Chicago Suburbs, 2000 to 2010" (R. Greene, 2013)
 Robbins, Karen L. "Location-Allocation Using GIS to Improve Emergency Response" (A. Krmenc, 2013)
 Rosencrants, Troy D. "Spatiotemporal Analysis of Tornado Exposure in Five U.S. Metropolitan Areas" (W. Ashley, 2013)

Shaw, Andrew J. "Land Cover Change and Nitrate in the Upper Mississippi River Basin" (R. Greene & A. Krmenc, 2013)
 Skelly, Laura M. "Assessing the Cause of Changing Apparent Temperatures in the Central United States" (D. Changnon, 2013)

SOUTHERN ILLINOIS UNIVERSITY

PhD:

Adu-Prah, Samuel "Geographic Data Mining and Geovisualization for Understanding Environmental and Public Health Data" (Oyana, 2013)
 Chowdhury, Farhat "The Choice of Water Supply Sources for US Cities" (Dziegielewski, 2012)
 Most, Michael "Privatizing Agricultural Genetics: An Analysis of the Process and Implications of Creating Property from a Once Res Nullius Public Good" (2012)

Masters (Science):

Barrett, William "Southern Illinois GIS Mapping for Next Generation 9-1-1 Based on NENA Standard Data Format" (Wang, 2012)
 Berakhi, Robel "Implication of Human Activities on Land Use Land Cover Dynamics in Kagera Catchment, East Africa" (Oyana, 2013)
 Davis, Deidra D. "Access to Fresh Foods: Socio-Economic Characteristics of Illinois Farmers' Markets Participating in Government Funded Food Assistance Programs" (Duram, 2012)
 Dhungel, Ravi "Web Mapping and Application Towards a Cloud: Enabling a WebGIS Prototype in an Open Source Environment" (Schoof, 2012)
 Fisher, Samuel "Improving the Reliability of Wind Power Through Spatially Distributed Wind Generation" (Schoof, 2012)
 Gaspard, Guetchine "Flood Loss Estimate Model: Recasting Flood Disaster Assessment and Mitigation for Haiti, the Case of Gonaives" (Oyana, 2013)
 Heern, Zachary "Investigating Trends in Lower Tropospheric Heat Content and Heat Waves Over the Central USA Using Equivalent Temperature(1951-2011)" (Schoof, 2013)
 Johnson, Andrew "A Regression Metamodel to Replace SWAT in Crop Yield Prediction for Big Creek Watershed" (Lant, 2013)
 Mack, Johannes "The Cryosphere and North Atlantic Tropical Cyclone Activity: Statistical Forecasting and Physical Mechanisms" (Schoof, 2013)
 McLeran, Kerry "Oxygen Isotope Analysis in Tree-Rings of Pterocarpus Angolensis Growing in Zimbabwe" (Therrell, 2013)
 Murphy, Dana "Spatial and Temporal Distribution of Cumulative Disturbance Impacts Due to Military Training on Land Condition" (Wang, 2013)
 Oller, Adam "Automatic Mapping of Off-Road Vehicle Trails and Paths at Fort Riley Installation, Kansas" (Wang, 2012)
 Remane, Ivan "Analysis of Annual Growth Patterns of Millettia Stuhlmannii, in Mozambique" (Therrell, 2013)
 Romano, Anthony "Spatial Distribution of Non-Native Invasive Plants Following Large-Scale Wind Damage at LaRue Pine Hills-Otter Pond Research Natural Area, Union County, Illinois" (Therrell, 2012)
 Shah, Kushendra Narayan "Multi-Scale Mapping and Accuracy Assessment of Leaf Area Index for Vegetation Study in Southern Illinois" (Wang, 2013)
 Treviño-Peña, Melva "Analyzing Changes in the Beef Cattle Ranching Communities of Acatic and Tepatlán de Morelos, Jalisco, Mexico Related to Land Cover and Climate Variability" (Duram, 2013)
 VanPelt, Alex "Response to Flood Hazards: Assessing Community Factors that Affect the Decision to Relocate" (Duram, 2013)
 Weston, William C. "A Spatial Analysis of Invasive Breast Cancer Clusters in Association with Environmental Risk Factors: Illinois 1996 to 2000" (Oyana, 2012)
 Williams, Laura L. "Evaluating the Long-Term Sustainability of L.O.G.I.C.: The Student Organic Garden at Southern Illinois University Carbondale" (L. Duram, 2012)

SOUTHERN ILLINOIS UNIVERSITY, EDWARDSVILLE

Masters (Science)

Babcock, Nathan J., "Prairie Puma: A Landscape Analysis of Puma concolor Habitat Potential in Iowa" (Starr, 2012)
 Khadka, Pramithus, "A Temporal Comparison of NDVI and SAVI for Static and Dynamic Land Cover Features near Osceola, Iowa" (Pearson, 2013)
 Ramage, Sandy M., "Rethinking Classroom Space: Student Habits, Preference, and Performance" (Acheson, 2013)
 Tobrise, Eloho E., "Temperature Trend and Its Impact on Rainfall in St. Louis, Missouri" (Odemher, 2012)

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

PhD:

- Bernazzoli, Richelle "The Security-Identity Nexus in Euro-Atlantic Integration: Rethinking Multi-Scalar Governance" (Flint, 2013)
- Djukpen, Richard "The Geography of HIV/AIDS and an Assessment of Risk Facotr Perspectives in Nigeria: The Case of Benin City and Makurdi" (Kalipeni, 2012)
- Moise, Imelda "Health Risk Differentials: Implications of Neighborhood Conditions on Various Health Outcomes in New Orleans, 2004-2009" (Kalipeni, 2012)
- Riley, James "The Fluvial Dynamics of Confluent Meander Bends" (Rhoads, 2013)
- Shook, Eric "A Computational Approach to Understanding Spatial and Temporal Granularities in Agent-Based Modeling" (Wang, 2013)

Masters (Arts):

- Berg, Kevin "The Social Determinants of Evacuation Time Along the Gulf Coast of the United States: A Multilevel Analysis" (Cidell, 2012)
- Flynn, Aron "Safeguarding Redd Green Peripheries" (Ribot, 2012)
- Simanis, Joseph "Concentration and dispersion of primary care physicians and implications for access to care in Cook County, Illinois: 2000-2008" (McLafferty, 2013)

Masters (Science):

- Goel, Varun, "A Spatial Risk Assessment of Hemorrhagic Disease in Cattle in Illinois from 2005 to 2011" (O'Hara, 2013)
- Han, Su "A CyberGIS Environment for Spatiotemporal Analysis: A Case Study of China Mortality Data" (Wang, 2012)
- Kim, Heejun "Credibility Assessment of Volunteered Geographic information for Emergency Management: a Bayesian Network Modeling Approach" (Wang, 2013)
- Zhao, Yanli (Wang 2013)

WESTERN ILLINOIS UNIVERSITY

Masters (Arts):

- Emmons, Janice "Site Suitability Analysis for Light Industrial Development in Fulton County, Illinois" (Dr. Christopher Sutton, 2013)
- Leblond, Stephane "Spatial Analysis of the Abundance of Wood-Ticks in Relationship to Vegetation Coverage, Soil Sand Proportion, and Topography in Pike County, IL" (Dr. Susan Romano, 2012)
- Marks, Thad "Analysis of Hemlock-Topography Relationships in Southwest Wisconsin" (Dr. Yongxin Deng, 2012)

ILLINOIS

BALL STATE UNIVERSITY

Masters (Science):

- Boyd, Kelly "An Observational Study of Urban Modified Thunderstorms across the Nashville Metro Area, 2003-2012" (Coleman, 2013)
- Fortriede, Lesley "The Geography of Indiana's Creative Class: Student Place Preferences and Alumni Migration Patterns" (Radil, 2013)
- Jaszka, Keith "An Investigation of Lake-effect Snow Warning Size in Relation to Snowfall Extent" (Call, 2013)
- Ma, Qian "GIS Flood Modeling in Indianapolis, Indiana" (Yang, 2013)

INDIANA STATE UNIVERSITY

PhD:

- Yeager, Charles, "It's a long drive to town: a socio-spatial analysis of food accessibility in rural southern Illinois" (Gatrell, 2013)

INDIANA UNIVERSITY

PhD:

- Alles, Patrick, "Internationalization Strategies of Small and Medium Size Liberal Arts Colleges" (Knudsen, 2013)
- Rickly-Boyd, Jillian, "On Lifestyle Climbers: An Examination of Rock Climbing Dedication, Community, and Travel" (Knudsen, 2012)

Masters (Arts):

- Hagglund, Leif, "Ecological Footprint System Accounting: A System Based Approach to Ecological Footprint Accounting" (Greer, 2013)
- Maleski, Gloria, "The Traits & Travel Motivations of Ecotourists and Conventional Tourists in Wisconsin" (Knudsen, 2012)
- Meyer, Scout, "The Influence of Advocacy Groups and Clubs on Recreation and Travel Behavior of Mountain Bikers in the United States" (Knudsen, 2012)
- Powell, Susan, "Media Portrayals, Migration, and Identity of Mongolian Ninja Miners" (Lave, 2012)
- Schumacher, Jacob, "Building Bicycle Friendly Communities: A Case Study of Five Midwestern Communities" (Evans, 2013)

IOWA

UNIVERSITY OF IOWA

PhD:

- Juran, Luke. "Churning the Water After the Wave: Water Components of Housing Reconstruction in Post-tsunami South India". (Rajagopal, 2012)

Masters (Arts):

- Hiruma, Hideyuki (Sander, 2012)
- Nicklaus, Jennifer (Malanson, 2013)

UNIVERSITY OF NORTHERN IOWA

Masters (Arts):

- Childenova, Iriana "Lab-Based Hyperspectral Data for the Rapid, Non-Destructive Analysis of Lake Cores" Awarded Posthumously (Pease, 2013)
- Graham, Michael "Space, History and Law: Rethinking Canadian Territorial Claims in the Arctic" (Petrov, 2012)
- Launsbach, Jonathon "Automated Sinkhole Extraction and Morphological Analysis in Northeast Iowa Using High-Resolution LiDAR Data" (Pease, 2013)
- Mani, Atma "Building Heat Loss Detection and Surface Temperature Mapping of the City of Cedar Falls Using Aerial Thermal Images and Web-GIS" (Sugumaran, 2012)
- Suchan, David "Water Quality and River Corridor Assessment of the Upper Iowa River: Howard and Winneshiek Counties, Iowa and Fillmore County, Minnesota" (May, 2012)
- Van Drasek, Brian "Creative Russia: Spatial Dimensions of Creative Capital in Russia and its Northern Periphery" (Petrov, 2012)
- Vaughan, Christina "The Road to Waterloo: The Great Migration, the Illinois Central Railroad, and the African American Diaspora, 1912-1920" (Weller, 2012)

KANSAS

KANSAS STATE UNIVERSITY

PhD:

- Aber, Jeremy "The Effect of Spatial Training and Map Exposure on Spatial Microgenesis" (Hutchinson, 2012)
- Belz, Melissa "Keep My Place: Evolution of the Vernacular House in Kinnaur, Himachal Pradesh, India" (Smith, 2012)
- Costigan, Katie "Hydrology and Geomorphology of Great Plains Rivers" (Daniels, 2013)
- Gerike, Matthew "Explorations in Historiographies of Geographical Knowledge" (Harrington, Jr., 2012)

Masters (Arts):

- Butler, William "Spatial Patterns and Impacts of Slope Failures in Five Canyons of the Teton Mountains, Grand Teton National Park, Wyoming" (Marston, 2013)
- Neufer, Savannah "Toward a Sustainable Heartland: Contrasting Future Agricultural Scenarios in Kansas" (Harrington, Jr., 2012)
- Su, Lianling "Cross-Border Marriage Migration of Vietnamese Women to China" (Lu, 2013)

UNIVERSITY OF KANSAS

PhD:

- Birdling, Emmanuel Awidau. "The Evolution of the Built Environment of the Margi Ethnic Group of Northeastern Nigeria" (Myers and Cheong, 2013)
- Dornrak, Laura Lynnette. "Spatiotemporal Variability of Populations and Suitable Breeding Habitat in Three Grassland Sparrows: A Multiscale Approach" (Egbert and Peterson, 2012)
- Gilbreath, Aaron H. "From Made in America to Hecho en Sinaloa: A Historical Geography of North American Methamphetamine Networks" (Shortridge, 2012)
- Halfen, Alan F. "Aeolian Dune Fields of Kansas and Their Response to Late-Quaternary Drought" (Johnson, 2012)
- Kelly, John H. "Village-scale Practices and Water Sources in Indigenous Mexico after the Neoliberalizing of Social Property" (Herlihy, 2013)
- Putnam, Heather R. "The Political Ecology of Food Insecurity in Smallholder Coffee Cooperatives in Northern Nicaragua" (Brown, 2013)
- Rausch, Lisa L. "Environmental Governance as a Development Strategy: The Case of Lucas do Rio Verde Legal" (Brown, 2013)
- Zung, Ashley B. "Reconstructing Climate on the Great Plains from Buried Soils: A Quantitative Approach" (Feddemma and Mandel, 2013)

Masters (Arts):

- Charron, Austin L. "Through the National Lens": Nationality, Territory, and the Formation of "Crimean-Russian" Identity" (O'Lear, 2012)
- Doke, Jared T. Analysis of Search Incidents and Lost Person Behavior in Yosemite National Park" (Dobson, 2012)
- Golon, Danielle K. "The Galápagos Perspective: Concerns about Life on the Galápagos Islands from the Perspective of Residents of San Cristóbal" (Woods, 2012)
- Norris, Andrew B. "Land Tenure Transformation of Peri-Urban Social Properties in San Luis Potosi, Mexico: A Case Study of the Ejido Garita de Jalisco" (Herlihy, 2012)
- Wamser, William Kyle. "Using Hyperspectral Imagery to Assist Federal Forest Monitoring and Restoration Projects in the Southern Rocky Mountains, Colorado" (Egbert, 2012)

Masters (Science):

- Callen, Elisabeth F. "A Statistical Analysis of Characteristics of Mesoscale Convective System Mountain Initiation Location Clusters in the Arkansas Red River Basin" (Tucker, 2012)
- Clark, Kathryn Rose. "Exploring the Sensitivity of Precipitation Behavior Using a Single-Column Model" (Mechem, 2013)

KENTUCKY

UNIVERSITY OF KENTUCKY

PhD:

- Boulton, Andrew "Locative Media, Augmented Realities and the Ordinary American Landscape" (Zook, 2013)
- Christian, Jay Warren "Using Geospatial Technologies to Characterize Relationships Between Travel Behavior, Food Availability, and Health" (Shannon, 2013)
- Marshall, David Jones "A Children's Geography of Occupation: Imaginary, Emotional, and Everyday Spaces of Palestinian Childhood" (Secor, 2013)
- Thompson, Deborah "Performing Community: The Place of Music, Race, and Gender in Producing Appalachian Space" (Schein, 2013)

Masters (Arts):

- Cooper, Ryan "Re-Placing Sprawl: The Search for Place in an American Suburb" (Wilson, 2013)
- Crane, Jonathan Austin "Security, Development, and Immobility: The Uneven Geography of Migration and Border Management in Ukraine" (Samers, 2013)
- Jacobsen, Malene "The Everyday Spaces of Humanitarian Migrants in Denmark" (Ehrkamp, 2013)
- Loomis, Jessica "Moveable Feasts: Reinventing Mobile Food Vending Through a New Generation of Food Trucks" (Secor, 2013)
- Marquez, Vanessa "The Inclusive Exclusion of Immigrants" (Schein, 2013)
- Mehlhope, Stephanie "Modeling bedrock mining hotspots within the Ouachita National Forest, Arkansas" (Turkington, 2012)
- Nost, Eric "Counting on the Environment: Measuring and Marketing Ecosystem Services in Oregon" (Robertson, 2013)
- Sharp, Laura "Audience Response to the Nature/ Society Binary in Kurosawa's Dersu Uzala: An Observational Online Ethnography" (Brunn, 2013)

WESTERN KENTUCKY UNIVERSITY

Masters (Science):

- Arpin, Sarah "Hydrogeology of the Haney Limestone, South Central Kentucky" (Groves, 2013)
- Bowles, Rachel "The Use of the Ostracode *Cyprideis Americana* (Sharpe) as a Proxy for Salinity in Bahamian Lake Systems" (Siewers, 2013)
- Cary, Nathan "Bosnian Immigrants: An Analysis of the Bosnian Community's Influence on the Cultural Landscape of Bowling Green, KY" (Keeling, 2013)
- Chen, Yan "Spatial Analysis of Fatal Automobile Crashes in Nashville, TN, 2001-2011" (Yan, 2013)
- Fowler, Brandon "Understanding Colombian Violence Through Geographic Information Systems and Statistical Approaches" (Yan, 2013)
- Hatcher, Bruce "Sources of CO₂ Controlling the Carbonate Chemistry of the Logsdon River, Mammoth Cave, Kentucky" (Groves, 2013)
- Hutchison, Sean "Eastern Deciduous Forest Phenology and Vegetative Vigor Trends From 2000 to 2013, Mammoth Cave National Park, KY" (All, 2013)
- Miles, Luke "Global Digital Elevation Model Accuracy Assessment in the Himalaya, Nepal" (All, 2013)

MARYLAND

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

PhD:

- Magliocca, Nicholas "Using Agent-based models as virtual laboratories for exploring human-environment interactions in land-use systems" (Ellis, 2012)
- Merner, Laura "Power and Knowledge: flood hazard in the coalfields of southern West Virginia" (Miller, 2014)
- Voglozin, Nohemi "Eco-geographic patterns of genetic diversity of African rice, *Oryza glaberrima*, in Benin (West Africa)" (Parker, 2013)
- Williams, Yvette "The Socio-Ecological System of Vacant Lot Management for Southwestern Baltimore Neighborhoods" (Biehler, 2013)

Masters (Science):

- Jones, Dan "Examining development induced geomorphic change through time using multi-temporal LIDAR-derived digital elevation models" (Baker and Miller, 2013)
- Martin, Haley "Effects of disturbance and a dominant consumer on stream community assembly: Experimental and observational evidence" (Swan, 2012)
- Mitchell, Donovan "Quantifying remobilization of legacy sediment from Maryland Piedmont floodplains" (Baker and Miller, 2014)
- Newton, Meridel "Perceptions of Wind Power, Community, and Renewable Energy Landscapes" (Biehler and Lansing, 2013)
- Panunto, Matthew "Effects of River Valley Segment Sequencing on Floodplain Hydroperiods" (Baker, 2012)
- Schall, Daniel "The chickens' grain: Understanding contestations around land-use best practices on Maryland's Eastern Shore" (Lansing, 2014)
- Shamer, Sierra "The outcomes of translating neoliberal environmental theory: A critical analysis of payments for ecosystem services" (Holland and Lansing, 2014)
- St. Pe, Alexandra "Examining multidecadal relationships between the Saharan Air Layer and Large Scale Atlantic Hurricane Environment (Halverson, 2013)
- Thomas, Janel "A multi-scale observational analysis of factors leading to Hurricane Earl's Rapid Intensification" (Halverson, 2012)

MASSACHUSETTS

CLARK UNIVERSITY

PhD:

- Ghimire, Bardan "Biogeochemical and Biophysical Consequences of Disturbances in Forests of the Western United States" (Williams, 2012)
- Giner, Nicholas Mark "Validating, Analyzing, and Predicting Lawn Maps: Application of GIScience and Spatial Analysis in the Northern Boston Suburbs" (Pontius and Polsky, 2013)
- Haberly, Daniel Gray "Sovereign Wealth Funds, Dependent Development, and the New Alliance Capitalism" (Aoyama, 2013)
- Harris, Edmund "Visions, Plans and Maps: Making Space for Food Systems Change in Massachusetts" (Martin, 2013)

Horner, Rory William "The State, Patents and the Development of India's Pharmaceutical Industry" (Aoyama, 2013)

Manzi, Maya Agrarian Social Movements and the Making of Agrodiesel Moral Territories in Northeast Brazil" (Rocheleau, 2013)

Neeti, Neeti "Implications of Space-Time Orientations for Spectral Decomposition of Geographic Time Series" (Eastman, 2012)

Panday, Prajwal Kumar "Hindu Kush-Himalayan Region at the Forefront of Global Change: An Assessment of Snowmelt, Hydrology, Vegetation and Climate" (Frey, 2013)

Schindler, Seth D. "Producing Urban Space and the Transformation of the Retail Sector in Delhi, India" (Aoyama, 2013)

Werboff, Dominique Sophie "The Role of Institutions in Shaping Livelihoods and Land Use/Cover in Northern Negros Natural Park, Philippines" (Turner, II, 2012)

Williams, Jill Marie "When Arrest Becomes Rescue: Border Enforcement and the Politics of Humanitarianism on the US-Mexico Border" (Martin, 2013)

Masters (Arts):

Broderick, Dylan "Estimating belowground carbon stocks in a permafrost watershed of Northeast Siberia by linking field measurements to Landsat-5 TM and Worldview-2 data" (Frey, 2013)

Kenney-Lazar, Miles "Governing Land Access: Legalities of Plantation Investment Practices in Laos" (Emel, 2013)

Logvinova, Christie Wood "Impacts of a Melting Sea Ice Cover on the Biogeochemistry of the Chukchi and Beaufort Seas" (Frey, 2012)

Nguon, Pheakkdey "Effectiveness, Efficiency and Equity: Stakeholders' Decisions on the Science of Policy to Reduce Emissions from Deforestation and Degradation (REDD+) in Cambodia" (Bebbington, 2013)

Shatz, Andrew J. "Characterizing the Potential Distribution of Asian Longhorned Beetle (*Anoplophora glabripennis*) in Worcester County, MA" (Rogan, 2013)

Trusel, Luke David "Examining the variability, intensity, and climatological context of Antarctic ice sheet surface melting" (Frey, 2012)

Masters (Science):

Birru, Ermyas "Monitoring, Evaluation, Quality Improvement and Capacity Building using GIS: Summer Internship with Partners In Health in Malawi" (Ogneva-Himmelberger, 2013)

Butler, Kevin "The NASA Develop Program: Summer Internship Experience" (Ogneva-Himmelberger, 2013)

Cheng, Jie "Mass in Motion project: 2012 Internship at UMASS Medical School" (Ogneva-Himmelberger, 2013)

Horvatic, Barbara "Fire hazard mitigation analysis: Summer Internship with Greenleaf Forestry and Wood Products in Colorado, USA" (Ogneva-Himmelberger, 2013)

Lenhardt, Julia "The IDRISI Ecosystems Services Modeler: Internship with Clark Labs" (Ogneva-Himmelberger, 2013)

Li, Quiao "A spatial-temporal analysis of the correlation between MODIS AOD and PM2.5 in Massachusetts" (Tian, 2013)

Maingot, Rachel E. "Utilizing NASA's Earth Observing Systems to Assess North Carolina's 2011 Fire Season: Summer Internship with NASA DEVELOP Program" (Ogneva-Himmelberger, 2013)

Mietkiewicz, Nathan "A century of ecological change in a subalpine forest of the Swiss Alps" (Kulakowski, 2013)

Ren, Luyang "Implementing Visual Contrast in Viewshed Determination" (Eastman, 2013)

Sands, D. Russell "Effectiveness of MODIS Vegetation Continuous Field product for allocating global forest change 2000 to 2010 (Rogan, 2013)

Sun, Yu Sun "Developing New Modules in IDRISI Software: Summer Internship with Clark Labs, Clark University" (Ogneva-Himmelberger, 2013)

Turner, Jenna "GIS and Asset Database Management: Summer 2012 Internship with the Massachusetts Department of Transportation" (Ogneva-Himmelberger, 2013)

Wasilkowski, Jacob "Automated Map Design Research with the Cartography & Geovisualization Group at Oregon State University" (Ogneva-Himmelberger, 2013)

Young, Luisa "Land Use/ Land Cover Classification of Northern Vietnam: Summer Internship with the East West Center" (Ogneva-Himmelberger, 2013)

MICHIGAN

CENTRAL MICHIGAN UNIVERSITY

Masters (Science):

Huang, Yuan, "Examining the relationship between the built environment and crashes in Detroit Region: A geographically weighted regression approach" (Wang, 2013)

Nantais, Thomas Jr. "A land use suitability analysis approach for locating potential rail transit routes in the Detroit Metropolitan Area" (Patton, 2012)

Wei, Kan, "Automating stream network generation and watershed delineation" (Li, 2012)

MICHIGAN STATE UNIVERSITY

PhD:

Howell, Jordan "Technology and Place: A Geography of Waste-to-Energy in the United States" (Evered)

Kotval-Karamchandani, Zeenat "The Built Environment, Travel Patterns and Environmental Burdens: A Study of Six Neighborhoods in the Detroit, Michigan Region" (Vojnovic)

Lawawirojwong, Siam "Soft Supervised Self-organizing Mapping (3SOM) for Improving Land Cover Classification with Modis Time-Series" (Qi)

LeDoux, Timothy "The Dynamics and Impacts of Retail Supermarket Decentralization in Detroit, Michigan" (Vojnovic)

Miller, Bradley "Incorporating Tacit Knowledge of Soil-Landscape Relationships for Digital Soil and Landscape Mapping Applications" (Schaetzl)

Perdinan "Crop Production and Future Climate Change in a High Latitude Region: A Case Study for the Upper Great Lakes Region of the United States" (Winkler)

Schnakenberg, Gary "What is a farm? Agriculture, Discourse, and Producing Landscapes in St Elizabeth, Jamaica" (WinklerPrins)

Suepa, Tanita "Satellite Time-Series Data for Vegetation Phenology Detection and Environmental Assessment in Southeast Asia" (Qi)

Masters (Science):

Adams, Kristin "Using GIS to Assess Faunmap and Determine Geographic Range Characteristics of Mammoths and Mastodons, Great Lakes, USA" (Yansa)

Doubler, Dana "A NARR Derived Low-Level Jet Climatology over North America" (Winkler)

Keener, Alison "Natural Landscape Drivers of Total Phosphorus Concentrations in Michigan Lakes" (Yansa)

Kopack, Robert "Monuments and Memory in the Landscapes of Kazakhstan" (Evered)

McWhorter, Jeremy "Examining the Preferences and Perceived Psychological Benefits of Urban Parks by Socioeconomic Status: A Case Study in Lansing, Michigan" (Grady)

Pollyea, Aaron "Spatial and Temporal Trends of Soil Moisture in the Great Lakes region of the USA, 1900-2008" (Andresen)

Masters (GIS):

Perkins, Travis (Shortridge)

WESTERN MICHIGAN UNIVERSITY

Masters (Arts):

Crafts, Elise "Native American Sovereignty and Environmental Management" (Hallett, 2012)

Diop, Sokhna Helene "GIS-based flood analysis for adequate flood mitigation in an unplanned urban area: the case of Pikine Dagoudane in Dakar County, Senegal" (Ofori-Amoah, 2013)

Hones, Erik "The Biogeographical factors of grapes used for wine in Michigan" (Hallett, 2012)

Kohley, Allison M. "Change and continuity: Euro-American and Native American settlement patterns in the St. Joseph River Valley" (Baker, 2013)

Olanipekun, Abolaji S "Saving the Lagos Mega City: An Assessment of the Satellite Town Project and Population Spatial Redistribution Objective in Lagos Nigeria" (Ofori-Amoah, 2012)

Polk, Adam J "Agriculture, influence, and instability under the Ancien Régime: 1708-1789" (Veeck, 2012)

Roehsner, Paul "Data storage alternatives for a gridded crop disease risk forecasting system" (Baker, 2013)

Schrantz, Karl P. "Location and competitive strategy in retail: the case of GameStop in Michigan" (Ofori-Amoah, 2013)

Serfas, Daniel Henry "Assessing the impacts of dams on nutrient and sediment loading in the Kalamazoo River using the Soil and Water Assessment Tool (SWAT)" (He, 2012)

Toth, Ariana M "Economic autonomy of the Miskitu women of the North Atlantic Autonomous Region, Nicaragua: do current development policies apply to matrifocal societies?" (Hallett 2013)

MINNESOTA

MINNESOTA STATE UNIVERSITY, MANKATO

Masters (Science):

DeVoe, Zachary, "Burn Severity and Post-Fire Vegetation Recovery of the Clear Creek Fire, Salmon-Challis National Forest, Idaho" (Friend, 2013)

Gawtry, Douglas, APP (Miller, 2012)

Nyhus, Joel, "Change in Location and Amount of Affordable Housing in Dakota County, MN from 2006 to 2010" (Yuan, 2013)

Winkels, Bridgett, "Revisiting Edward R. Warren: A Century of Beaver (Castor canadensis) Occupancy near Crested Butte, CO" (Friend, 2013)

Zunkel, Paul, "The Educational Training of Storm Chasers and Storm Spotters in Relation to Geographical Dispersion Across the U.S" (Wilkerson, 2013)

Graduate Certificate (GISc):

Kuechenmeister, Sean (2013)

SAINT CLOUD STATE UNIVERSITY

Masters (Science):

Bagent, Chelsey M. "Plyolith Assemblages and Opal Concentration From Modern Soils Differentiate Temperate Grasslands of Controlled Composition on Experimental Plots at Cedar Creek, Minnesota" (Blinnikov, 2012)

Beierman, Jessica M. "Retracing and Visualizing George Catlin's Path to the Pipestone Quarry in 1836" (John, 2012)

Born, Daniel J. "Phytolith Indicators of Paleoecology at the Hudson-Meng Bison Bonebed Near Crawford, Nebraska" (Blinnikov, 2013)

Forstner, Jay "An Historical GIS of Yellowstone National Park" (John, 2012).

Grace, Garrick R. "Potential Sites for Ski Resorts: A Comparative Analysis Between Colorado and the Altay Mountains" (Blinnikov, 2013)

Hardwick, Daryn R. "Modeling Future Tree Ranges Under Projected Climate Change for the Year 2100 in Minnesota, USA" (Blinnikov, 2013)

Kondamuri, Mounica. "Integrating Technology with Geographical Information Systems (GIS) for Analyzing Traffic Accidents in Saint Cloud" (Wall, 2012)

UNIVERSITY OF MINNESOTA, TWIN CITIES

PhD:

Bergmann, Luke "Capital, Carbon, Context, and Concepts: Geographies under Globalization" (Sheppard, 2012)

Berland, Adam "Twin Cities Urbanization and Implications for Urban Forest Ecosystem Services" (Manson, 2012)

Bialostosky, Ivan "Urban Sustainability and the Technopolitics of Order" (Gidwani, 2013)

Bloch, Stefano "The Changing Face of Wall Space: Graffiti-murals in the context of neighborhood change in Los Angeles" (Samatar, Kayzar, 2012)

Crawford, Christopher "Assessing Historical Trends in Snowpack Variability Across the Northern Rocky Mountains Using Remote Sensing and Dendrochronology Approaches" (Manson, Kipfmüller, 2013)

Eria, Sami "The State of GIS in Developing Countries: A Diffusion and GIS & Society Analysis of Uganda, and the Potential for Mobile Location-Based Services" (McMaster, 2012)

Fairley, Elizabeth "Upholding Customary Land Rights through Formalization? Evidence from Tanzania's Program of Land Reform" (Harvey, 2013)

Johnson, Randolph "Reanimating Bios: Biomimetic Science and Empire" (Braun, 2011)

Kotting, Jennifer "Baltimore's Urban Fix: Sounds of Excess and Exclusion in Station North" (Harvey, Kayzar, 2013)

Murai, Emily "Mapping Qualitative Geographies: user interface design and the production of space" (Henderson, Harvey, 2011)

Nikoi, Ebenezer "Child Nutritional Well-being in Ghana: An Analysis of Associated Individual, Household, and Contextual Health Indicators and Socioeconomic and Biophysical Environmental Variables" (Weil, 2011)

Paudel, Dinesh "The Double Life of Development: Peasants, Agrarian Livelihoods, and the Prehistory of Nepal's Maoist Revolution" (Samatar, Gidwani, 2012)

Pratt, Kathryn "Fleshing out Conservation: Performative Ecologies and Embodied Practice in Chilean Temperate Rainforest Management" (Braun, 2012)

Simms, Nicole "The Counterfeit Consumer: Counterfeit Luxury Goods and the Negotiation of Space and Subjectivity" (Braun, 2011)

Strunk, Christopher "Circulating citizenship practices: Bolivian routes of migration, hometown associations, and development" (Leitner, 2012)

Masters (Arts):

Bosworth, Kai Anthony, Plan B papers (Saldanha, 2013)

Corwin, Julia E., Plan B papers (Gidwani, 2013)

Dyke, Kevin R., Plan B papers (Harvey, 2012)

Ebner-Green, Noah Abram, Plan B papers (Henderson, 2012)

Johnson, Lane "Tree-Ring Reconstruction of Island and Mainland Fire Events Along a Historic Canoe Travel Corridor in Minnesota's Boundary Waters Wilderness" (Kipfmüller, St. George, 2013)

Lazzarini, Alicia, Plan B papers (Sheppard, Nagar, 2012)

Margoles, Daniel "Mountain Pine Beetle-Whitebark Pine Dynamics in a Subalpine Ecosystem of the Pioneer Mountains, Southwest Montana" (Kipfmüller, 2011)

McDaniel, Benjamin Plan B papers (Squires, Kayzar, 2012)

Nelson, Sara, Plan B papers (Braun, 2012)

Masters (Geographic Information Science):

Andersen, Jason "Mass Transit Options in Dakota County for Lower Income Households" (Lindberg, 2012)

Bakken, Justin "LiDAR, Orienteering, and Cartography" (Edsall, 2011)

Baldwin, Patrick "Using GIS to Develop a Dependent Population/Single Earner Households Index" (S. McMaster, 2012)

Behling, Brian "Prediction and Simulation Models in Spatial and Non-Spatial Contexts" (Manson, 2010)

Butzow, Benjamin "The Technological Revolution in the Geodetic Unit at the Minnesota Department of Transportation" (Lindberg, 2012)

Campbell, Jessica "Image Classification Using RGB Clustering and Image Segmentation" (Harvey, 2011)

Carpenter, Kelly "Mapping Human Services: Understanding the Geography of Community-Based Programs in Northwest Hennepin County" (McMaster, 2011)

Chambers, Thomas "Uses of GIS in Real Estate Appraisal" (Lindberg, 2012)

Chester, William "Geospatial Digital Whiteboard: A Low-Cost Two-Way Communication Tool" (Lindberg, 2010)

Drollinger, Anthony "Using GIS to Prioritize Areas for Habitat Restoration at the St. Croix Wetland Management District" (Lindberg, 2010)

Erickson, Keith "Neogeography and Crisis Mapping" (Harvey, 2012)

Foster, Michael "Accessible Mapping: Web and Mobile Map Design for the Vision Impaired" (Lindberg, 2010)

Geason, Catherine "The Use of GIS in Subprime Lending and Foreclosure Research" (Edsall, 2011)

Gish, Kami "Utilizing GIS in Mapping, Managing, Modeling and Analyzing Criminal Incidents" (Lindberg, 2010)

Gladhill, Timothy "Network Analyst Applications for Local Governments" (Harvey, 2011)

Gottfried, Jason "The Globalization of Social Equality: Utilization of GIS in Urban Planning for the Developing World" (Edsall, 2011)

Hanson, Craig "Keystone Pipeline XL: Decision Points 2012" (S. McMaster, 2012)

Hanson, Eric "Examination of the Modifiable Areal Unit Problem (MAUP) in Spatial Epidemiology" (Edsall, 2011)

Hegi, Heather "Underground Infrastructure: Using GIS for Entering, Tracking, and Displaying Tunnel Condition Information" (Edsall, 2011)

Herried, Brad "3D Anaglyph Map Creation, Use and Understanding for Terrain Representation" (Edsall, 2010)

Hess, Daniel "Append Tiles Tool for ArcGIS: An Example Using National Wetlands Inventory Data for Cook County, Minnesota" (Edsall, 2011)

Hoang, Nhu "GIS in Environmental Design and Planning: Introduction to Sketching Environments in ArcGIS" (Lindberg, 2011)

Jacobson, Timothy "A Spatial Statistical Analysis of the 2008 Minnesota General Election" (Harvey, 2011)

Juntunen, Thomas "An Analysis of Lion Attack Risk Data Using GIS" (Manson, 2011)

Kelleher, Cole "Protecting the Environments of Antarctica: A Geospatial Approach" (Swobodzinski, 2012)

Kilberg, Donald "Mapping Urban Tree Cover: Object Oriented Image Analysis of Quickbird and LiDAR Data" (Bauer, 2011)

MISSOURI

MISSOURI WESTERN STATE UNIVERSITY

Bachelors:

- Dove, Troy Alan. Bachelors of Science in History, minor in Geography (2013)
Doyle, Sean Michael. Bachelors of Science in History, minor in Geography (2012).
Snider, Brandon Tyler. Bachelors of Science in History, minor in Geography (2013).

UNIVERSITY OF MISSOURI

Masters (Arts):

- Colegrove, Amanda. "A Model for Assessing the Risk of Human Trafficking on a Local Level" (Foulkes, 2013)
Diessner, Colleen. "It Will Rain If God Wills It: Local Perception of Climate Change in the Futa Tooro of Northern Senegal" (Urban, 2012)
Easley, Nathan. "Dude, Where's My Internet: An Examination of Broadband Internet Access, Infrastructure, and Potential for Expansion in Missouri" (Matisziw, 2013)
Jacobson, Matt "Evoking Landscape Practices Through Ethnographic Fiction" (Larsen, 2013)
Kelly, Beth "An Actor-Network Analysis of the Arizona Trail" (Larsen, 2013)
Korson, Cadey Segard A "The Voice Behind the Microphone: Media Systems and United Nations Peacekeeping in Haiti and Cote d'Ivoire" (Brown, 2012)
McKee, Jedediah. "Young Jordanian university students' perceptions of the U.S. geopolitical presence in the Middle East" (Foulkes, 2012)
Neville, Joe. "Access to Food in Columbia, Missouri" (Matisziw, 2012)
Ngan, Le T. "Predicting Coral Bleaching in the Southern Area of the South China Sea" (Wang, 2012)
Randle, Brett. "A Natural Classification of Stream Morphology and Detection of Channel Unit Periodicities in Three Missouri Streams" (Urban, 2012)
Scott, Jessica R. G "Surface Waters Most Likely Impacted by Hormones from Land-Applied CAFO Wastes in Missouri" (Urban, 2012)
Zhang, Wei. "Biomass Assessment in the U.S. Midwest Using MODIS Time-Series" (Wang, 2012)

MONTANA

UNIVERSITY OF MONTANA

Masters (Arts):

- Greiman, Lillie. "Between Harsha and Harira: Moroccan Women's Relationships to Food and Kitchenspace" (Halvorson, 2012)

Masters (Science):

- Brewer, Benjamin. "A New West Evaluation of Socio-economic Change in the Clark Fork Watershed between 2000 and 2010" (von Reichert, 2012)
Frazier, Gabriel "A GIS Approach to Analyzing Stream Temperatures in the Sleeping Child Creek Watershed, Montana, USA" (Klene, 2013)
Fyock, Mitchell "The Development of a New System for Geomorphologic Mapping of High Mountain Environments in the United States" (Kamp, 2013)
Hoover, Brendan "Analysis of the Rocky Boy Reservation's Border Formation 1885 to 1950" (Halvorson, 2013)
Howard, Tristan "Comparison of Wild-Domestic Sheep Interaction Policies in Bighorn Disease Outbreak Locations in the Continental U.S., 1990-2010" (Shively, 2013)
Milbrath, Joseph "Land-Cover Change within the Peatlands along the Rocky Mountain Front, Montana: 1937-2009" (Klene, 2013)
Nellis, Mary "How Cha-paa-qn Got Its Name: A Sixth-Grade Geography Curriculum Unit for Indian Education for All In Montana" (Halvorson, 2013)
Pan, Caleb "Inventory of Mongolian Glaciers for the Global Land Ice Measurements from Space (GLIMS) Program" (Kamp, 2013)
Shelly, Karen "Mapping a Historic Bitterroot Valley, Montana Landscape Using General Land Office Field Notes" (Wilson, 2012)

- Smith, Julia "Analysis of Microtopography, Vegetation, and Active-Layer Thickness using Terrestrial LIDAR and Kite Photography, Barrow, AK" (Klene, 2013)
Smith, Molly "Rethinking Drought: Planning for Water Scarcity and Climate Variability in the Clark Fork Basin of Montana" (Halvorson, 2012)
Touzel, S. Joseph "Mapping the Distribution and Abundance of Western Larch with Multi-Temporal Satellite Imagery and Gradient Modeling" (Shively and Holden, 2013)
Wallace, Jesse "Using Landsat Imagery to Evaluate Landscape-level Impacts of Natural Gas Field Development: Tazovsky Peninsula, Russia, 1984-2007" (Klene, 2012)
Youngstrom, Nicholas "Tourism Sector Perceptions of Vulnerability to Environmental Change in Glacier National Park, U.S.A" (Kamp, 2013)

M.S. Portfolio/Comprehensive Exam:

- Dascenzo, Christine (von Reichert, 2013)
Weiss, Benjamin (von Reichert, 2013)
Wescott, Mace (von Reichert, 2013)

NEBRASKA

UNIVERSITY OF NEBRASKA, OMAHA

Masters (Arts):

- Etzrodt, Christina "Voluntourism – Motivations of the Bethsaida Excavations Project Volunteer" (Dando, 2012)
McGlade, Jacob "Analyzing the Potential for Commercial Expansion Using GIS" (Cammack, 2012)
Rozmajzl, Mary "Delineating the Wildland Urban Interface Using Publicly Available Geospatial Data" (Peake, 2012)

NEVADA

UNIVERSITY OF NEVADA, RENO

PhD:

- Barth, Cornelia "Toward the Use of Modern Hydrologic Modeling Tools in Paleoclimate Studies" (Boyle, 2013)
Ferrell, Gail Small "Winter Recreation Management of Western United States Public Lands: Ethics, Evolution and Choices" (Starrs, 2013)
Rohrmeier, Kerry "Welcome Home to Black Rock City: Urban Geography of the burn" (Bassett, 2013)

Masters (Science):

- Anderton-Folmer, Haley "The Edible Desert: An inventory of the land suitable for urban agriculture & its potential for profit in lower Washoe County, Nevada" (Heaton, 2013)
Hochrein, Michelle "Red fir (*Abies magnifica*) seedlings and regeneration microsite on arid range margins" (Bassett, 2013)
Horangic, Alex "Stakeholder Participation in Environmental Dispute Resolution Negotiations in Watershed Management: A Case Study from the Klamath Basin" (Berry, 2013)
Seelye, Helene "Nevada Nevada: Maps, tables, charts, graphs and the Geography of Nevada" (Starrs, 2013)
Speer, Scott "Make the Biggest Little Mistake of Your Life on Screen: Portrayals of Reno, Nevada in Television and Film" (Starrs, 2013)

NEW JERSEY

RUTGERS UNIVERSITY

PhD:

- Capoccia, Regina "The Impact of Animal Rights on Wildlife Conservation and Management in Kenya" (Hughes and Schroeder, 2013)
Gabriel, Nathaniel "Dominance and Difference: A Genealogy of Urban Environmental Management and Its Alternatives in Philadelphia" (St. Martin, 2012)
Myers, James "Exploring interactions between landscape change and land preservation" (Tulloch, 2012)
Nisa, Richard "Between Capture and the Camp: Apprehending Prisoners in America's Wars 1949-2011" (Lake, 2013)

Thomas, Adelle "Multiple Stresoorsts and Small Tourism Enterprises: A Case Study of New Providence, The Bahamas" (Leichenko, 2012)

Masters (Arts):

Loewen, Kyle "From problems of citizenship to questions of action" (DeFillipis, 2013)
Stinard-Kiehl, Sarah "Radical Childcare Collectives: Putting care to work for political resistance" (Newman, 2013)

NEW YORK

BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK,

Masters (Arts):

Aleksandrova, Dimka "Group disparities in colorectal cancer incidence rates: A geospatial analysis in Broome County, New York 2009-2012" (Margai, 2013)
Altman, Yaron "Investigating the urban heat island across four boroughs: The case for reconciliation ecology in NYC" (Shaker, 2013)
Bernstein, Larysa Emily "The importance of festivals in strengthening communities: A case study of Broome County, NY"
Martinez, Tito Livio "College towns and studentcentric private development: An exploratory study of the real estate market of the city of Binghamton, NY (1996-2012)" (Tetty-Fio, 2012)
McElhenney, Thomas "The spatial analysis of vehicle-on-bicycle accidents in Broome County, New York" (Reisinger, 2013)
Oh, Joon Seok "Detecting Urban Environmental Change using Remote sensing and GIS: A Case of Busan, South Korea" (Margai, 2012)
Olderstein, Kevin Michael "An assessment of a mixed-use development analogue for Rochester, New York" (Tetty-Fio, 2013)
Park, Paul Sung-Pyo "Examining a shrinking rustbelt city: A case of Binghamton, NY (1990-2010)" (Frazier, 2013)
Rojas, Jarvis Louis "Urban restructuring in Long Island City, New York and its impacts on surrounding neighborhoods"
Sanchez-Rivers, Ana Ivelisse "Racial perception of native Puerto Rican populations: the roles of socioeconomic status"
Talbot, William "Super neighborhoods: Race, class, and the alloction of CDBG funds in Houston, Texas" (Frazier, 2012)
Voorhees, Michael Eric "Floodplain management with regards to biodiversity within the Susquehanna River Basin of Broome County, NY" (Blumler, 2012)
Zubalsky, Sara Lynn "Sustainability, social capital, and urbanization: A case study of Europe's rankings and community characteristics" (Shaker, 2013)

Masters (Arts Project):

Rapp, Charles (Shaker, 2012)
Wang, Ruisuo (Margai, 2013)

SYRACUSE UNIVERSITY

PhD:

Attoh, Kafui "Rights In Transit: Public Transportation and the Right to the City, California's East Bay" (Mitchell, 2013)
Billo, Emily "Competing sovereignties: Oil extraction, corporate social responsibility, and indigenous subjectivity in Ecuador" (Perreault, 2012)
Lindner, Keith "Returning the Commons: Resources Access and Environmental Governance in San Luis, Colorado" (Perreault, 2012)
Villanueva, Joaquin "The Territorialization of the 'Republican law': Judicial Presence in Seine-Saint-Denis, France" (Mitchell, 2012)

Masters (Arts):

Gonzalez, Jose Manuel, "The Settlement of Antioquia Province, 1541-1616" and "Production and Consumption of Maize in Antioquia Province:1541-1615" (Robinson, 2012)
Huset, Renee, "A GIS-Based Analysis of the Environmental Predictors of Dispersal of the Emerald Ash Borer in New York" (Read, 2013)
Kantor, Michael, "Banking on the Impossible: The Political Life of Wet Lands in Southern Louisiana" (Perreault, 2013)
Marley, Benjamin, "Battle for the Mountains: Restructuring Extractive Production and the Socio-Ecological Crises in West Virginia's Coalfields" (Rutherford, 2013)
Rey de Castro Pastor, Flavia, "Water Politics: Governance, Conflict, and Vulnerability in Andean, Peru" (Perreault, 2013)

Sica, Carlo, "Scales over Shale: How Pennsylvania Got Fracked" (Huber, 2013)

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

PhD:

Chow, Yew Wah (Jeff) "Building Religious Epistemic Capital among Financial Firms: A Study of Malaysia's Islamic Wall Street" (Poon, 2013)
Delmerico, Alan "An Analysis of Potentially Underdiagnosed Diabetes and Diabetes-Related Complications at Local, Regional and National Scales" (Aldstadt, 2013)
Holler, Joseph "Adaptation and Social Vulnerability on Mount Kilimanjaro, Tanzania: Challenges and Possibilities for Sustainable Climate Change Adaption" (Bagchi-Sen, 2012)
Naybor, Deborah "Tracking Time Use: Spatial and Temporal Influences on Development among Ugandan Women Farmers" (Poon, 2013)
Stoll, Jennifer "The Internet and Social Capital among Co-Operatives in Canada" (Poon/Mark, 2012)
Weaver, Russell "Reconceptualizing Blight: A Geographical and Economic Analysis of Urban Housing Code Violations in Buffalo, NY" (Bagchi-Sen, 2012)

Masters (Arts):

Bae, JinWon "Modeling Neighborhood Effects of Brownfield Redevelopment in Buffalo, NY, USA" (Metcalfe, 2012)
Besek, Jordan "Neoliberal Niagara? Fish Consumption Advisories as a form of Neoliberal Environmental Governance" (Werner, 2012)
Chen, Zhuo "Exploring Remote Sensing and Wed GIS applications" (Mackay, 2012)
Cheng, Xi "Cluster Analysis of Pandemics (H1N1) 2009 and influenza-Like Illness, Lanzhou, China" (Bian, 2012)
Fan, Lei "The Use of GIS for Evaluations of Flood Loss and Soil Erosion" (Larsen, 2013)
Feng, Boxin "Cluster Detection Using Spatial Statistics Methods: A Case Study in Buffalo" (Bittner, 2013)
Gaiser, Marisa "Hydrofracking-A Disaster Waiting to Happen or a Boom to the Economy (Chemung County, New York)" (Bian, 2013)
Gallagher, Daniel "The Spatial, Temporal, and Environmental Trends of Gonorrhea in Erie County, New York" (Rogerson, 2013)
Lanzara, Rosemary "The Use of GIS for Siting Sustainable Housing in Heber City, Utah and Reducing Vulnerability to Extreme Flooding in Cattaraugus creek and Schoharie, NY" (Larsen, 2012)
Lee, JinHyung "Spatial Scan Statistics Analysis for Dengue Hospitalizations in Kamphaeng Phet, Thailand, 2009-2011" (Aldstadt, 2012)
Li, Bo "The Key to Hedonic Price Modeling Aided with GIS: Building a Standardized Geodatabase" (Bittner, 2013)
Li, Fang "Popularization of a new Energy Efficiency Program in Erie Country With Cloud Computing-Based GIS Solution" (Renschler, 2012)
Ma, Tingting "The Classification of Mangrove Gaps From High Resolution Multi-Spectral Imagery" (Wang, 2012)
Ma, Xiaohui "GIS-Based Research on Real Estate Value by Location Evaluation in Buffalo, NY and Hangzhou, China" (Bittner, 2013)
Nasir, Asal "Consequences of Population Change and Rapid Economic Growth, In the Case of The Sioux Falls, South Dakota MSA" (Rogerson, 2013)
Rienti, Michael "Original Research Applying Geographic Information Science for Health and Safety" (Aldstadt, 2013)
Sielski, Ted "Corporate Social Responsibility: Diversity of Global Oil and Gas Multinational in Indonesia" (Poon, 2013)
Wang, Peng "Spatial Location Identification Using Spatial Terms on Twitter" (Bittner, 2012)

Masters (Science):

Conrow, Lindsey "A Spatio-Temporal Analysis of Violent Crime and Alcohol Outlets in Buffalo, NY" (Aldstadt, 2013)
Dai, Lixian "Point-Based Building Extractions in Urban Areas Applying Airborne LiDAR Data" (Bian, 2012)
Lu, Meng "Investigating Consequences of Climate Change Temporal and Spatial Changes of Precipitation, Runoff and Erosion and the Impact of Land Cover (Walnut Gulch Watershed, Arizona)" (Renschler, 2013)
Zhang, Shuowei "Estimating Impervious Surface Area based on Hyperspectral Remote Sensing Imagery: A Comparison between Support Vector Regression and Linear Spectral Mixture Analysis" (Wang, 2013)

VASSAR COLLEGE

Bachelors (Earth Science):

- Bernau, Jerry "Landscape Consequences of Pennsylvanian Natural Gas Development" (Menking, 2013)
- Donohue, Patrick "Fault Dating in Rosendale, New York, Using Clay Polytype Quantification" (Walker, 2013)
- Linkevich, Gary "Manual and Landmark-based Morphometric Comparison of Two Populations of *Campeloma*, sp. from Across the K-Pg Boundary" (Peek, 2013)
- Wheeler, Joseph "Clay Mineralogy of the MH-2 Core, Snake River Plain, Idaho" (Walker, 2013)

Bachelors (Geography):

- Conley, Kara "Whose Destiny? The Rise and Development of Place Branding in Syracuse, NY" (Godfrey, 2013)
- Green, Laura "Hollaback!: Challenging Street Harassment and Gendered Access to Public Space in New York City" (Nevins, 2013)
- Kent, Zachary "Bicycle Politics in New York City: Rights to the City on Bedford Avenue and Prospect Park West" (Godfrey, 2013)
- Loewen, Samantha "White Food, Black Spaces: Food, Privilege, and Gentrification in Crown Heights, Brooklyn" (Cunningham, 2013)
- Magill, Alexandra "Historical and Contemporary Modes of Racism in Baltimore, Maryland" (Godfrey, 2013)
- Orkin, David "The Poughkeepsie Farmers Market: Whiteness and the Logic of Food Access" (Cunningham, 2013)
- Provenzano, Adriana "From Nature Sanctuary to 'National Dump': A Walk through Organ Pipe Cactus National Monument" (Nevins, 2013)

NORTH CAROLINA

EAST CAROLINA UNIVERSITY

Masters (Arts):

- Blair, Heather "North Carolina Wine Growers' Perceptions of Climate Change Impacts" (Curtis and Popke, 2013)
- Caspersen, Janna "Measuring Geospatially Explicit Perceptions of Sudanese Ethnic Group Locations: A Comparison of Subject-Matter-Experts and Online Data" (Van Holt, 2013)
- Hall, Linwood Earl "A Climatology of the Structure, Frequency, and Propagation of Midlatitude Cyclones That Affect North Carolina" (Ferreira, 2013)
- Irwin, Jenelle "Stormwater Management Practices: Reducing Surface Water Runoff and Contaminants in Ocean City, Maryland's Coastal Bays" (Montz, 2013)
- Pace, William "Perceptions of Hurricane Risk Among North Carolina's Coastal Residents: A Case Study of Hurricane Irene" (Montz, 2013)

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

PhD:

- Baletti, Brenda "Paving Paradise: Power and Property Rights along an Amazonian Highway" (Wolford, 2012)
- Goger, Annelies "Managing Global Guilt and Local Norms: Governance in the Sri Lankan Clothing Industry" (Pickles, 2013)
- Kim, Yuri "Water Balance Change Under Climate and Land use/Land cover Variability in the North Carolina Piedmont" (Band, 2012)
- McCleary, Amy "Characterizing Human-Environment Interactions in the Galápagos Islands: A Case Study of Land Use/Land Cover Dynamics in Isabela Island" (Walsh, 2013)
- Ward, Ashley "Echoes in a Changing Landscape: the Reconstruction of Durham, North Carolina" (Birdsall, 2012)
- Worthen, Holly "The Presence of Absence: Indigenous Migration, a Ghost Town, and the Remaking of Communal Systems in Oaxaca, Mexico" (Wolford, 2012)

Masters (Arts):

- Bledsoe, Adam "Black Geographies: Racialization and Political Responses" (Reyes, 2013)
- Dannenberg, Matthew "El Niño-Southern Oscillation-Induced Variability in Terrestrial Vegetation Dynamics in the Western United States" (Song, 2013)
- Furgurson, Jill "The disease ecology of gastric cancer in western Honduras: understanding spatial patterns and behavioral and environmental drivers of disease" (Emch, 2013)

- Garcia De Alba Diaz, Ana "Geographies of Pain: The Mexican Movement for Peace with Justice and Dignity and the Configuration of Spaces of Victimhood" (Cravey, 2013)
- Morrissey, Timothy "NCResSys: A Geospatial Modeling and Information System for the Identification of Potential Municipal Water Supply Reservoir Locations across the State of North Carolina" (Walsh, 2013)
- Vasudevan, Pavithra "Memory and the re-invention of place: The legacies of environmental justice in Warren County, North Carolina" (Smith, 2013)

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

PhD:

- Ali, Amr "The Influences of Urban Forces on Residential Energy Consumption: A Demand-Side Forecasting Method for Energy Scenarios" (Thill, 2012)
- Kozar, Jonathan "Knowledge Intensive Business Services and Metropolitan Economic Growth: An Examination of the Computer Service Industry" (Graves, 2012)
- McDaniel, Paul "Receptivity in a New Immigrant Gateway: Immigrant Settlement Geography, Public Education, and Immigrant Integration in Charlotte, North Carolina" (Smith, 2013)

Masters (Arts):

- Apaliski, Claire "Location Analysis and Spatial Mismatch of Youth Programs in Mecklenburg County" (Moore, 2013)
- Bowen, Andrew "Bikesharing in Charlotte, North Carolina: Evaluating Ridership data and ride generation variables to examine existing station locations And model alternatives" (Graves, 2013)
- Clanton-James, Autumn "Economic Change and Regional Overlap: Did Being Appalachian Influence County Level Economic Change During the Rust Belt/Sun Belt Transition?" (Moore, 2012)
- Mock, Andy "Rapid Transit Park-and-Ride Facilities" (Thill, 2013)
- Sherman, Peter "How Does City Size Affect the Relationship Between Bird Species Richness and Urbanization?" (Gagne, 2013)
- Tayouga, Jazzie "Socioecological Factors that Promote the Adoption of Green Infrastructure" (Gagne, 2013)
- Waters, Keith "Metropolitan Competition Space for Migrants" (Strumsky, 2013)

Masters (Science):

- Brazell, Seth J. "Sedimentology and Depositional Environments of the Wadesboro Sub-Basin, Eastern Piedmont, North Carolina. (Diemer, 2013)
- Freyer, Brock "Fluvial Response to River Management and Sediment Supply: Pool 6 of the Upper Mississippi River System" (Jefferson, 2013)
- Hulland, Neil Patrick "Natural Gas Extraction through Hydraulic Fracturing In North Carolina: Construction of a Rubric Assessing the Feasibility of Natural Gas Production in North Carolina" (Bender, 2013)
- Odom, Brett Garon "Analysis of Intensity-Duration-Frequency Curves And Rainfall Patterns for the Charlotte Region" (Eastin, 2012)
- Wexler, Joshua Micah "Effects of the Variation of Regional Weather on the Spread of Dengue Fever: Cali, Colombia" (Delmelle, 2012)

UNIVERSITY OF NORTH CAROLINA WILMINGTON

Masters (Science):

- April, Josh "North Carolina sea level rise assessment: Evaluating flood risk for community lifelines in northern and southern North Carolina" (Gamble, 2012)
- Kemble, Julie "Mineralogical and textural trends in sediment distribution along the northeastern coast of Tamaulipas, Mexico" (Thayer, 2012)
- Rhodes, Daniel "Lithologic and structural relationships of northeastern Carolina terrane rocks in the Lake Michie 1:24K Quadrangle, North Carolina" (Blake, 2013)
- Scher, Erin "Storm Overwash in a Back Barrier Marsh and the Implications for Sea Level Rise on Masonboro Island, NC" (Leonard, 2012)
- Weiland, Will "Analysis of San Salvador Island Precipitation and Synoptic Scale Atmospheric Dynamics" (Gamble, 2012)

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

Masters (Arts):

- Bright, Patrick "A Geographic Study of the Laotian Hydropower Sector" (Wang, 2012)

- Kitzan, Angela "Impacts of Transportation and Population upon Western North Dakota School Consolidation" (Munski, 2012)
- McGrew, Spencer "Exploring the Impact of Zebra Mussels (*Dreissena Polymorpha*) on Residential Lakeshore Property Values in Otter Tail and Becker Counties, Minnesota" (Rundquist, 2013)
- Waidyasekera, Deepthi "Spatial Dimensions of Conflict-Induced Internally Displaced Population in Puttalam District in Sri Lanka from 1980 to 2012" (Munski, 2012)
- Young, Lori "Is There a Disconnect? Comparing North Dakota and National Geography Standards" (Munski, 2013)

Masters (Science):

- Dinger, Matthew "Identifying Locations of Highly Eroded Agricultural Land in the Devils Lake Basin, North Dakota, using GIS Terrain Analysis Modeling" (Vandenberg, 2012)
- Fietzek-DeVries, Rhonda "Historical Hydroclimatic Change at Theodore Roosevelt National Park: 1895-2011" (Todhunter, 2013)
- Knish, Emily "The Relationship between Atmospheric Circulation Patterns and Water Surface Elevation in Devils Lake, North Dakota: 1965-2010" (Todhunter, 2012)
- Roehrdanz, Nicholas "Mapping and Analyzing Conservation Reserve Program Enrollment Patterns from 1991 to 2011 in Nelson County, North Dakota, using Remote Sensing and GIS Techniques" (Rundquist, 2012)

Masters (Independent Study):

- Boucher, Michael "Calculating the Loss of Land to the Oil Industry: A Study of McKenzie County, North Dakota" (Wang, 2013)

OHIO

KENT STATE UNIVERSITY

PhD:

- Odoom, Hyiamang "Ethnic markets in the American retail landscape: African markets in Columbus, Cleveland, Cincinnati, & Akron, Ohio" (Kaplan, 2012)
- Rock, Amy "Economic Disparity in Appalachia: An Examination of Accessibility and Policy Factors" (Kaplan, 2013)

Masters (Arts):

- Al Nasrallah, Mohammad "Food Deserts and Minority Population in Akron, Ohio" (Lee, 2012)
- Brindis, Gabriela "Public Space and the Democratization of Culture: A Case Study of Tlatelolco, Mexico City" (Tyner, 2012)
- Butrico, Gina "Food security and Identity: Iceland" (Kaplan, 2013)
- Colley, Donald "Disciplining 'sports geography': re-creating geographies of fitness, place and the body at the Kent State University Student Recreation and Wellness Center" (Tyner, 2012)
- Colucci, Alex "Governmentality, Biopolitics, and State Sovereignty: the Spatial Dialectic Production of Uyghur during the 'War on Terror'." (Tyner, 2013)
- Edwards, Jen "Post-Disaster Climatology for Hurricanes and Tornadoes in the United States: 2000-2009" (Schmidlin, 2013)
- Hoffman, Rebecca "To the Southwest Corner! Tornado Myths and Socio-Demographic Vulnerability" (Schmidlin, 2013)
- Kirk, John "A methodology for developing GIS-based probabilistic riverine flood inundation maps for Tona Wanda Creek in Western New York" (Schmidlin, 2013)
- Nietzsche, Chris "Ground Penetrating Radar Analysis of Paleo Beach Ridges in Lorain County, Ohio" (Munro-Stasiuk, 2013)
- Peimer, Alex "Discourses of Scalar Practices: Hydrofracking in New York State" (Tyner and Munro-Stasiuk, 2012)
- Petroski, Meg "Perceived Health Effects of Constructed Green Spaces on Populations in the Urban Environment" (Kaplan, 2012)
- Rice, Stian "Rubber, Rice, Race, and Space: A socio-ecological approach to the remaking of agricultural space in East Sumatra" (Tyner, 2012)
- Stasiuk, Dave "Contestation of Place: Bear Butte & the Sturgis Motorcycle Rally" (Tyner, 2012)

MIAMI UNIVERSITY

Masters (Arts):

- Henkin, Michael "A Biophysical Analysis of Forest Diversity Patterns at Mt. Kasigau, Kenya" (Medley, 2013)
- Kamau, Peter "Anthropogenic Fires, Forest Resources, and Local Livelihoods at Chyulu Hills, Kenya" (Medley, 2013)

- Mordini, Michael "Gulf of Maine Land Cover and Land Use Change Analysis Utilizing Random Forest Classification: To be Used in Hydrological and Ecological Modeling of Terrestrial Carbon Export to the Gulf of Maine via Riverine Systems" (Henry, 2013)
- Tinney, Ashley "Gentrification and Changing Sense of Place: Perspectives of Drop Inn Center Advocates in Over the Rhine, Cincinnati" (England, 2013)

OHIO UNIVERSITY

Masters (Arts):

- Campbell, Katharine "New Territories of Equality: Conceptualizations of Climate Justice in International Environmental Non-Governmental Organizations" (Perkins, 2013)
- Lloyd, James "Community Development, Research, and Reinvestment: The Struggle against Redlining in Washington, DC, 1970-1995" (Buckley, 2012)
- Witek, Joseph "Johannesburg: Africa's World City?" (Kim, 2013)

Masters (Science):

- Conley, Gary "Examining the Cover and Composition of the Successional Vegetation Mosaic of Pre-SMCRA Mined Landscapes in Southeast Ohio" (Dyer, 2013)
- Jones, Samantha M. "Sacred Forests and the Social Dimensions of Conservation in the North Pare Mountains of Tanzania" (Wangui, 2013)
- Lee, Ming Yeung "Antarctic Station-based Pressure Reconstructions from 1905-2011 using Principal Component Regression" (Fogt, 2013)

Masters (Non-Thesis):

- McGonagle, Kyle (2013)

UNIVERSITY OF CINCINNATI

PhD:

- Yang, Bo "Assimilation of multi-scale thermal remote sensing data using spatio-temporal cokriging method" (Liu 2013)

Masters (Arts):

- Chen, Heyin "Simulating the hydrologic impacts of land cover and climate change under a semi-arid environment" (Tong 2013)
- McCool, Jon-Paul "PRAGIS: a test case for a web-based archaeological GIS" (Dunning 2012)
- Murphy, Joshua "Examining the Distributing of Robberies in Cincinnati: The residual effects of an aggressive policing policy" (Lui 2012)
- Ning, Jingwei "Improving the USDA's Definition of Food Desserts via a Spatial Interaction Approach: A Case Study of Hamilton County, Ohio" (Lui 2012)
- Purtill, Matt "An integrated Geo-science Approach for Revealing the Formation History of a Mississippian Period House Feature at the Angel Mounds, Indiana, U.S.A." (Dunning 2013)
- Qin, Xiaoxing "Investigating the impacts of Bus Transit on Street and Off-Street Robberies" (Lui 2013)

UNIVERSITY OF TOLEDO

Masters (Arts):

- Chappell, Darian "Prisons used as economic development in rural communities" (Shetty, 2012)
- Chohaney, Michael. "Secrets beneath the soil: a mixed methods necrogeographic investigation of Romany ("Gypsy") memorial sites (Nemeth, 2012)
- Danish, Farzana "Application of GIS visualization and assessment of ambient air quality for SO2 in Lima Ohio" (Lawrence, 2012)
- Li, Xuan "Planning for spatial analysis of links between Parkinson Disease and pesticide exposure" (Czajkowski, 2011)
- Mierzwiak, Sara "The development of the contaminant exceedance rating system (CERS) for comparing groundwater contaminant data" (Lawrence, 2012)
- Osterday, Elyse "Government Policy and Total Fertility Rates: An Analysis of Germany in Stage Five of the Demographic Transition Model" (Schlemper, 2013)
- Ren, Jie "Mapping cyanobacterial blooms in the western basin of Lake Erie using MERIS (Czajkowski, 2012)
- Schafer, Sarah "A GIS connection between brownfield sites, transportation and infrastructure (Lindquist, 2011)
- Thebo, Pau. "Municipal annexation: expectations and implications in South Carolina (an Hammel, 2012)
- Zhuo, Hong "GIS-based spatial accessibility analysis to high schools by transit in Toledo area in 2010" (Alam, 2012)

OKLAHOMA

EAST CENTRAL UNIVERSITY

Senior Capstone Projects (2012-2013):

- Atkinson, Damon "Using the Guest Registry to Map the Distribution of Visitors to Black Mesa Bed & Breakfast"
- Blackwood, Kevin "Local Scale Basin Modeling in the Arbuckle Mountains using Karst Features to Determine Potential Groundwater Flow Paths for Conservation and Resource Management"
- Brendle, Alexis "Spatial Distribution of Russian Demographics in the United States"
- Cox, Christopher "Interactive & Poster Map Designs of the Oak Hills Golf Course"
- Davis, Zach "Creating a Water System GIS for the City of Ada with Municipal Applications"
- Gobble, Matthew "Application of Real-World GIS Projects for Continuity Training in Human Assistance and Disaster Relief"
- Hughes, Blake "Multi-scale Geographic Analysis of the Dairy Industry"
- Hutchison, Brian "Mapping Foreign Imports and Exports of Testudines"
- Lawson, Blake "Assessment of Wi-Fi Coverage in Ada"
- Melius, Jason "Impact on the Closure & Reopening of Boquillas Crossing upon Boquillas, Mexico & Big Bend National Park, Texas"
- Minnich, Andrew "Development of a GIS Database for Environmental Mitigation Sites"
- Stone, Brent "Designing an Interpretive Exhibit of the U.S. Public Lands Survey System"
- Thompson, Matthew "Market Area Analysis of the Choctaw Casinos"
- Williams, Robert "Designing and Implementing a Lawn Service Management System"

OKLAHOMA STATE UNIVERSITY

PhD:

- Bombom, Leonard "Deciphering Activity Patterns using the Time-Geography Framework: A Case Study of Oklahoma State University, Stillwater Campus" (Yu, 2013)
- Dung, Jasper "Estimating Potential Carbon Sequestration in Conservation Reserve Program (CRP) Tracts in the Central High Plains of the United States" (Lightfoot and Rao, 2012)
- Hyrapiet, Shireen "Ghosts of the Past or Relics of the Future? A Geographical Analysis of the Hand-Pulled Rickshaw Profession in Calcutta, India" (Greiner, 2012)
- Khayyat, Hawta "Modeling Wind Power Potential in a Data-Poor Region: A Geographic Information Systems Model for Iraq" (Lightfoot and Stadler, 2012)
- Li, Weiping "The Influences of Geographic Factors on the Complementary Nature of Wind Power and Solar Radiation" (Stadler, 2012)

Masters (Science):

- Heise, Keeley "Assessing the Vulnerability of the Northern Great Plains to a Severe Snowstorm or Blizzard" (Stadler, 2013)
- Kusselson, Scott "Investigating How Land Use Patterns Affect Traffic Accident Rates near Frontage Road Cross-Sections: A Case Study on Interstate 610 in Houston, Texas" (Yu, 2013)
- Paul, Diya "Conserving Biodiversity Outside Protected Areas: Analysis of a Potential Wildlife Corridor in Chittoor District, Andhra Pradesh, India" (Lightfoot, 2012)
- Wilson, Daniel "The Role of Local Institutions on Deforestation and Degradation in the Kaimosi Forest, Western Kenya" (Vadjunec, 2013)

UNIVERSITY OF OKLAHOMA

PhD:

- Goldstein, Justin "The Hydrologic Responses of Semiarid Watersheds to the Cultivation of Switchgrass (*Panicum Virgatum* L.)" (Tarhule and Aondover, 2013)
- Klockow, Kim "Spatializing tornado warning lead-time: Risk Perception and response in a spatio-temporal framework" (McPherson and Renee, 2013)
- Trung, Tran "Measuring Land Cover Change at High Spatio-Temporal Scales" (Julian and Jason, 2013)

OREGON

OREGON STATE UNIVERSITY

PhD:

- Allan, Andrea, "Analyzing the present and future Pacific-North American teleconnection using global and regional climate models" (Hostetler, 2012)
- Keon, Dylan, "Automated web-based analysis and visualization of spatiotemporal data" (Wright, 2012)
- MacQuarrie, Patrick, "Resilience of large river basins: applying social-ecological systems theory, conflict management, and collaboration on the Mekong and Columbia Basins" (Wolf, 2012)

Masters (Science):

- Blauvelt, Katie, "Post-fire vegetation response to snow in the western United States" (Nolin, 2013)
- Davis, Ellen, "Effects of land use policy on urban growth rates in the Willamette Valley, Oregon" (Becker, 2013)
- Edstrom, Jill, "Comparative analysis of Google Earth versus traditional paper maps in middle school earth science education" (Becker, 2013)
- Pfeiffer, Vera, "Influence of spatial and temporal factors on plants, pollinators and plant-pollinator interactions in montane meadows of the western Cascades Range" (Jones, 2012)

PORTLAND STATE UNIVERSITY

Masters (Arts):

- Bergmann, Nicolas "Preserving Nature Through Film: Wilderness Alps of Stehekin and the North Cascades, 1956-1968" (Brower, 2013)

Masters (Science):

- Bambrick, Beth "Large Woody Debris Mobility Areas in a Coastal Old-Growth Forest Stream, Oregon" (Hadley, 2013)
- Campbell, Willow "Spatial Analysis of Climate and Winegrape Production in Winegrape Growing Regions of Oregon, United States of America" (Chang, 2013)
- Dick, Kristina "Glacier Change in the North Cascades, Washington: 1900-2009" (Fountain, 2013)
- Halsey, Shiloh "Modeling the Distribution of Bobcats and Areas of Reintroduction for Fisher in the Southern Washington Cascades" (Lafrenz, 2013)
- Jones, Nadia "Investigating the Holocene History of Eliot Glacier, Mount Hood, Oregon" (Lafrenz, 2012)
- McDonald, Shannon "Understory Diversity and Succession on Coarse Woody Debris in a Coastal, Old-growth Forest, Oregon" (Hadley, 2013)
- Neighborhood, Portland, Oregon" (Duh, 2012)
- Steele, Madeline "Effects of HRU Size on PRMS Performance in 30 Western U.S. Basins" (Chang, 2013)

Masters (Research Papers):

- Butler, Meara "Toward a More Comprehensive Foodshed Analysis" (Works, 2013)
- Ludwig, Jamie "Quantifying Accessibility for Wheelchair Users in Urban Areas Using GIS Network Analysis: A Case Study in the Boise
- McManus, Alex "Farming on the Urban Fringe Clackamas County Agriculture" (Works, 2013)

PENNSYLVANIA

PENNSYLVANIA STATE UNIVERSITY

PhD:

- Bell, Martha "The Governance of Food Technology and Environmental Resource Flows: Connecting Mills, Water, Wheat, and People in Colonial Lima, Peru (1535-1700)" (Zimmerer, 2013)
- Collymore, Jennifer "Enhancing Student Performance: Linking the Geography Curriculum, Instruction, and Assessment in the English-Speaking Caribbean" (Downs, 2013)
- Crisfield, Elizabeth "Climate change impacts on forests: modeling relationships between static landscape patterns and dynamic vegetation responses" (Smithwick, 2012)

Dietrich, Kathleen "Envisioning an Uncertain Climate Future: Space, Learning and Resources in a Participatory Scenario Building Activity" (Tschakert, 2013)

Fisher, Jeremy "Feeding the Million: Markets, Metabolism, and the Transformation of the Food System in New York City, 1800-1860" (Holdsworth, 2012)

Hagge, Patrick "The Decline and Fall of a Cotton Empire: Economic and Land-Use Change in the Lower Mississippi River "Delta" South, 1930-1970" (Holdsworth, 2013)

Howe, Peter "Fingerprints of global warming on public perceptions and beliefs" (Yarnal, 2012)

Karmosky, Christopher "Synoptic and Mesoscale Climate Forcing on Antarctic Ice Shelf Surface Melt Dynamics" (Lampkin, 2013)

Laliberte, Nicole "Scaled Violence: A Feminist Geopolitics of Post-War Development in Northern Uganda" (Dowler, 2013)

Mwangi, Margaret "Effects of Drought on Nomadic Pastoralism: Impacts and Adaptation among the Maasai of Kajiado District, Kenya" (Taylor and Abrokwa, 2012)

Teale, Chelsea "Informing Environmental History with Historical Ecology: Agricultural Wetlands in New Netherland, 1630-1830 (Holdsworth, 2013)

Masters (Science):

Bernhardt, Jase "A Synoptic Climatology of Contrail Outbreaks and Associated Surface Temperature Impacts for Two Sub-Regions of the Continental United States" (Carleton, 2013)

Di, Qian "The Spatial-Temporal Relationship Between Meteorological Variables and Seasonal Influenza" (Pouquet, 2013)

Guidero, Elaine (2012)

Hedberg, Russell "Reassembling the Landscape: A Holistic Study of Polytypic Forest Cove Cover Change in Colina, Tunari" (Zimmerer, 2013)

Jampel, Catherine "Cattle-Based Livelihoods and the Bear "Problem" in Northern Ecuador" (Wright, 2013)

Stehle, Samuel "Pattern Matching Via Sequence Alignment: Analyzing Spatio-Temporal Patterns and Their Distances" (Pouquet, 2013)

Yang, Jinlong (2013)

TEMPLE UNIVERSITY

PhD:

Heckert, Megan "The Economic, Environmental and Social Justice Impacts of Greening Vacant Lots: An Integrated Spatial Assessment of Urban Revitalization and Sustainability Outcomes" (Mennis, 2012)

Masters (Arts):

Newman, Michaela (Mennis, 2013)

Plummer, Rose (Sanders, 2013)

WEST CHESTER UNIVERSITY

Masters (Arts):

Thesis:

Aungst, Matthew "A Comparative Analysis Of Nitrate Levels At Different Waste Disposal Systems In Delaware" (Coutu, 2013)

Graham, Tamika "Patterns Of Mortgage Foreclosures And Location Efficiency: A Study Of The Philadelphia Metropolitan Statistical Area" (Katirai, 2012)

Lubbe, Steffen "Planning And Integration Of Renewable Energy Technologies In Chester County, PA" (Fritschle, 2012)

Research:

Allenson, Robert (Ives Dewey, 2013)

Butch, Daniel (Crossney, 2013)

Collins, Sean (Coutu, 2013)

Mackey, Dennis (Katirai, 2013)

McGuire, Erin (Lewandowski, 2013)

Plati, Antonio (Fritschle, 2013)

Spahr, Catherine (Ives Dewey, 2013)

Master of Public Administration (Urban and Regional Planning):

Weber, Richard L. III

Certificate:

Addae, Stephen, Urban and Regional Planning (2013)

Allenson, Robert, GIS (2013)

Cifrese, Amber, Urban and Regional Planning (2013)

DeCaro, Travis, Urban and Regional Planning (2013)

McGuire, Erin, Urban and Regional Planning, and GIS (2012)

Plati, Antonio, GIS (2012)

Russo, Joseph, Urban and Regional Planning (2012)

Weber, Richard L. III, Urban and Regional Planning (2013)

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

PhD:

Kabela, Erik "Narccap Model Assessment and Future Projections for the Southeast United States" (Carbone, 2012)

Kettle, Nathan "Coastal Climate Change Adaptation: The Influence of Perceived Risk, Uncertainty, Trust, and Scale" (Dow, 2012)

Masters (Arts):

Cook, Brittany "Negotiating Belonging In a Divided City: Palestinian Experiences in Nicosia, Cyprus" (Mills, 2012)

Masters (Science):

Arrington, Tanner "Downstream variation of a Transitional River: Blue Ridge to Piedmont, South Carolina" (James, 2013)

Leisen, Joshua "Relative roles of environmental conditions and riverscape connectivity on fish metacommunity structure" (Kupfer, 2012)

MacLeod, Kevin "Modeling Intermittent and Perennial Headwater Streams in North Carolina" (James, 2012)

SOUTH DAKOTA

SOUTH DAKOTA STATE UNIVERSITY

Masters (Science):

Bernau, Matthew "Energy in the Corn Belt: Is Maize Production Sustainable?" (Napton, 2013)

Bhattarai, Krishna "Mapping and Monitoring of Mangrove Forests in the United States Using Landsat Satellite Imagery 1984-2009" (Gritzner, 2012)

Bohms, Stefanie "Virtual Water Exports as a Driving Force for Land Use Change in the High Plains after 1950" (Napton, 2013)

Cotillon, Suzanne "Impacts of Land Cover Changes on Ecosystem Services Delivery in the Black Hills Ecoregion from 1950 to 2010" (Napton, 2013)

Danielson, Patrick "A Method for Identifying Commission and Omission Errors for the Cultivated Crops in the National Land Cover Data Set (NLCD) 2006" (Napton, 2012)

Friesz, Aaron "Effects of Bird Community Structure on West Nile Virus Incidence in the Northern Great Plains" (Wimberly, 2012)

Helder, Benjamin "Characterizing Maize and Soy Senescence by Divergence of Multiple Spectral Indices" (Henebry, 2012)

Johnson, Kimberly "Changing Tactics, Changing Identities: Woman's Suffrage Protests in Washington, D.C., 1913-1920" (White, 2013)

Long, Jordan B "A Land Cover and Land Use Change Assessment of the Philippines' Mangrove Forests: 1990 to 2010" (Napton, 2012)

Mantz, Paul "Romanian National Identity and Place in Southeastern Europe" (White, 2013)

Mfuka, Constance "Characterizing Spectral Signatures for Forest Cover and Change Using Field Data: A Case-Study of Kimvula Territory in Democratic Republic of Congo from 2000 to 2010" (Jackson, 2013)

Olson, Brady "The Influence of International Travel on Midwestern High School Students' Cultural Perceptions and Geographic Understanding" (Gritzner, 2012)

Phuyal, Khem "The Protective Role of Mangrove Forest for the Coastal Communities in the Asian Tsunami of 2004" (B-Option) (Jackson, 2013)

Sampson, James D. "The Concrete Stave Silo Landscape: Diffusion of Agricultural Technology in Northwestern South Dakota" (Gritzner, 2014)

Siebrasse, Nicole "Culture and the Global Diffusion of Tennis" (Gritzner, 2013)

Thapa, Saroj "Evaluation of WELD Landsat Data for Monitoring Land Cover Change in the Pacific Northwest" (Napton, 2014)

Toft, Eric "The Role of Place in South Dakota's High School Sports: Value and Patterns of Sport Success" (Gritzner, 2012)

TENNESSEE

UNIVERSITY OF TENNESSEE

PhD:

- Burd, Charlynn "Migration, Residential Preference, and Economic Development: A Knowledge-based Approach Regarding Locational Preferences of Two Disparate Subgroups of the Creative Class" (Kalafsky, 2012)
- Guttmann, Joseph "Agricultural Land Use Change and Local Context: The Shenandoah-Cumberland Apple-Growing District in the Eastern United States" (Bell, 2012)
- LaForest, Lisa "Fire Regimes of Lower-elevation Yellow Pine and Pine-Oak Stands in Great Smoky Mountains National Park, Tennessee, U.S.A" (Grissino-Mayer, 2012)
- Underwood, Christopher "Fire and Forest History from Soil Charcoal in Yellow Pine and Mixed Hardwood-Pine Forests in the Southern Appalachian Mountains, U.S.A" (Horn, 2013)

Masters (Science):

- Barron, Melanie "Justice, Truth, and Community Organizing in Boston, Massachusetts" (Inwood, 2012)
- Boehm, Mathew "Late Pleistocene Climate, Vegetation, and Fire History from a Southern Appalachian Bog, Whiteoak Bottoms, Nantahala National Forest, North Carolina, U.S.A" (Horn, 2012)
- Djorcev, Maja "Marketing Opportunities for Small-scale Organic Wine Producers in Slovenia: Proposing a Wine Cluster Model" (Kalafsky, 2013)
- Dye, Alex "Stand Dynamics and Fire History of a Southern Appalachian Pine-Hardwood forest on Rainy Mountain, Chattahoochee National Forest, Georgia, USA" (Grissino-Mayer, 2013)
- Eads, John "Macroscopic Charcoal as Evidence of Long-Term Fire History in the Cuatro Ciénegas Valley, Mexico" (Sally Horn, 2013)
- Garland, Niki "A Dendroecological Evaluation of the Effects of Coal Ash on Tree Growth, Kingston Fossil Plant, Harriman, Tennessee, USA" (Grissino-Mayer, 2013)
- Hauser, Kathleen "Public Land in a Changing Climate, Who Decides? Who Governs" (van Riemsdijk, 2012)
- Liu, Sumang "Online Social Network Friends and Spatio-temporal Proximity of Their Geotagged Photos – A Case Study of Flickr Data" (Shaw, 2012)
- Liu, Zewen "Response of inland lakes to climate change across the Tibetan Plateau investigated using Landsat and ICES at data" (Li, 2012)
- Piburn, Jesse "Modeling the Effects of Distance and Spatial Dependence in International Trade" (Kalafsky, 2013)

TEXAS

TEXAS A & M UNIVERSITY

PhDs:

- Carr, Liam "Reducing uncertainty in fisheries management: The time for fishers' ecological knowledge" (Heyman and Roark, 2012)
- Chi, Zhaoui "Investigation of Glacial Dynamics in the Lambert Glacier-Amery Ice Shelf System (LAS) Using Remote Sensing" (Klein, 2012)
- Farrell, Eugene "Characterizing vertical mass flux profiles in aeolian saltation systems" (Sherman and Houser, 2012)
- Flatley, Will "Fire Regimes of the Southern Appalachian Mountains: Spatial and Temporal Variability and Implications for Vegetation Dynamics" (Lafon, 2012)
- Goel, Abhineety "Political economy of compensatory conservation: A case study of the proposed Omkareshwar National Park Complex, India" (Jepson, 2013)
- Granados-D., Pablo "The artisanal mutton snapper (*Lutjanus analis*) spawning aggregation fishery at Gladden Spit, Belize: Inter-annual and intra-seasonal dynamics" (Roark and Heyman, 2013)
- Lemmons, Kelly "Short-term study abroad programs: where they came from, how they work, and why they often don't" (Smith, 2013)
- Mgendi, Mlenge, "An Ecological Analysis Of The Impact Of Weather, Land Cover And Politics On Childhood Pneumonia In Tanzania" (Quiring and Millington, 2012)
- Ryu, Wansan "A Typology of Foredune Textures: Sand Patches and Climate Controls" (Sherman, Tchakerian, 2012)
- Saguin, Kristian "Fish for the city: Urban political ecologies of Laguna Lake aquaculture" (Brannstrom, 2013)

- Williams, Nikki "Student Stress Exposure: A Daily Path Perspective on the Connections among Cognition, Place, and the Socio-Environment" (Bednarz and Elgethun, 2012)
- Zhu, Laiyin "Investigation of the Variations and Impacts of Tropical Cyclone Precipitation in Texas (1950–2009)" (Quiring, 2013)

TEXAS STATE UNIVERSITY

PhDs:

- Campos, Roberto "Enhancing Dengue Fever Modeling through a Multi-Scale Analysis Framework: A Case Study in the Central Valley of Costa Rica" (Fuhrmann, 2013)
- Connolly, Matthew "Communication and Interaction in Group Decision-Making during School Shooting Simulations" (Hagelman, 2013)
- Fang, Tianfang "A Pseudo Individual Real-time Measurement for Assessing Air Pollution Exposure in Selected Texas Cities" (Lu, 2012)
- Houlton, Shelrie "Communication and Interaction in Group Decision-Making during School Shooting Simulations" (Fuhrmann, 2013)

Masters (Science):

- Moore, Todd "A Synoptic Climatology of Tropical Cyclone Tornadoes" (Dixon, 2013)
- Ray, Waverly "Developing a Global Sense of Place?: Perspectives from Center for Global Geography Education Participation" (Muniz, 2012)
- Sansom, Andrew "Water Education in Middle and High School Geography and Environmental Science: A Mixed Methods Study of the Effectiveness of Formal and Informal Educational Approaches" (Boehm, 2013)
- Stine, Melanie "Effects of Fire on Geomorphology and Ecotone Dynamics within the Alpine Treeline Ecotone, Glacier National Park, Montana" (Butler, 2013)
- Stone, Lee "Self-Emplacement in the Lifeworld: The Geographic Imagination of American Middle Adolescents" (Boehm, 2013)
- Townsend, Christi "Natural Hazards and Texas Viticulture: An Evaluation of Natural Hazard Awareness and Perception among Viticulturists in the Texas Hill Country and Texas High Plains" (Butler, 2012)
- Carter Courville, Brittany "Assessment of Spatial and Temporal Lake Water Quality Trends and Effects of Land Use/Cover in Maine" (Jensen, 2012)
- Christian, Taylor "A Study of Beaver Pond Morphology and Site Characteristics after Disturbance in Eastern Glacier National Park, Montana" (Butler, 2013)
- Coder, Shelby "Remote Sensing Techniques for Generating Wildfire Models of Wildland Urban Interface Sites in Texas" (Macey, 2012)
- Crossley, Paul "Using Cost Surface Analysis and Least Cost Paths to Analyze Dispersal of Gray Wolves in the Northern Rockies, U.S.A" (Jensen, 2012)
- Holmes, Melissa "Global Economic Linking Leading Migrants to New Destinations: A Case Study of the Settlement of Chinese Migrants in Texas" (Blue, 2013)
- Jimenez, Alisha "Location Analysis of Alcohol Billboards in San Antonio, Texas" (Estaville, 2013)
- Lavy, Brendan "A Geography of Permitted Deforestation in Austin, Texas, 2002–2011" (Hagelman, 2013)
- Mast, Gregory "The Geography of Motivation and Participation among Community Gardeners in Austin, Texas" (Hagelman, 2013)
- McDaid, Guinevere "Improving Urban Vegetation Classification Accuracy with Multispectral Imagery and Lidar" (Jensen, 2013)
- Phillips, Phillicia "Crime, Vegetation, and Ethnicity, Austin, Texas 2006–2010" (Estaville, 2013)
- Walker, Barry "The Geography of Murder: Landscapes Associated with the Spatial Distribution of Drug-related Killings in Mexico, 2009–2010" (Tiefenbacher, 2013)

Masters (Applied Geography):

- Anderson, Philip "The Impact of Weather on Lake Visitation in Central Texas" (Dixon, 2013)
- Bennett, Catrin "What is Local Food? Local Food Production Participation- sheds Among Central Texas Farmers Markets" (Hagelman, 2012)
- Clennon, Eric "Longitudinal Examination of Business Clustering in Knowledge-Based Industries in the Austin-Round Rock Metropolitan Statistical Area, 2008 to 2012" (Blanchard, 2013)
- Daugherty, Paul "Designed for Transition? Urban Design and the Transition Movement across the United States" (Blanchard, 2012)
- Fahey, Justin "The Best Management Practices of Community Garden Managers in Austin, Texas" (Hagelman, 2013)
- Flatten, Charles "An Analysis of Desalinating Brackish Edwards Aquifer Groundwater" (Earl, 2013)
- Hall, Jeffrey "The Accessibility and Equity of City of Austin Parks" (Tiefenbacher, 2012)
- Hammon, Kenneth "Geography of Bicycle Transportation Planning in Austin, Texas" (Hagelman, 2013)

Hargrave, Larry "Assessing the Impact of Temperature and Precipitation Variation on Hops Yield in Washington and Oregon 1960-2010" (Tiefenbacher, 2013)

Hutchins, Maggie "Planning for Ecological Protection and Values in Central Texas" (Brown, 2013)

Irvin, Sandra "Lidar-based Detection Between Land Cover Classifications of Shrubland and Forest" (Jensen, 2013)

Kemp, Kevin "An Analysis of the Lower Colorado River Authority's Brush Management Program on Inflows into the Highland Lakes from the Pedernales River, Texas" (Earl, 2013)

Kennison, Megan "Understanding Diverse Decision Making A Case Study of the City of San Marcos Transit System" (Larsen, 2013)

Mavian, Gregory "Small Area Population Estimation using Lidar-Based Datasets" (Jensen, 2012)

Meagher, Jeremy "Implications for the Recycling Market from Value-Based Resource Recovery" (Blanchard, 2013)

Richard, James "Violent Crime and Public Transportation: An Analysis of the Washington, DC Metrorail" (Romig, 2013)

Sledd, Michael "Relationship between Specific Land Use Variations on Selected Surface Water Quality Parameters in Multiple Watersheds in Austin, Texas" (Hagelman, 2012)

Sloane, Susan "A Study of Inland Desalination Concentrate Application in lieu of Disposal in Central Texas" (Larsen, 2012)

TEXAS TECH UNIVERSITY

Masters (Science):

Grann, Caitlin "Exploring the Character of Place in Lubbock through Interviews, Mental Maps, and the Place Histories of Local Musicians"

Phelps, Jack "The association between tree canopy cover and socio-demographics in Lubbock, Texas"

Van Nice, Chris "Spatial and temporal relationships between center pivot irrigation and groundwater resources on the Texas Southern High Plains"

UNIVERSITY OF NORTH TEXAS

Masters (Science):

Aggrey-Korsah, Emmanuel "Spatial mismatch between HIV infection and access to HIV service facilities in Texas" (Oppong, 2013)

Colvin, Jessica "Site formation processes and bone preservation along the Trinity River Basin, north central Texas" (Ferring, 2013)

Crislip, Peter "A quantitative assessment of site formation at the Dmanisi archaeological site, Republic of Georgia" (Ferring, 2013)

Curran, Lorna "Examining the role of latitude and differential insolation in asymmetrical valley development" (Williams, 2013)

Deines, Dory "Finding terroir in southwest Iowa" (Dong, 2013)

Denlinger, Emily "Contribution of Hurricane Ike storm surge sedimentation to long-term aggradation of coastal marshes in southeastern Texas and southwestern Louisiana" (Williams, 2013)

Dohanich, Elizabeth "Installation and manufacturing of photovoltaics: An assessment using California and New York" (Tierney, 2012)

Ebeniro, Jane "The geography of maternal mortality in Nigeria" (Oppong, 2012)

Ferring, David "A multiscalar analysis of buruli ulcer in Ghana: Environmental and behavioral factors in disease prevalence" (Oppong, 2012)

Heald, Stephanie "Spatial analysis of HIV/AIDS survival in Dallas and Harris counties, Texas" (Oppong, 2012)

Hedrich, Mara "Geography of HIV infection among adults aged 50 years and older in Texas from 1999-2009" (Oppong, 2012)

Jennings, Laura "A storm water runoff investigation using GIS and remote sensing" (Hudak, 2012)

Liu, Haijian "Automated treetop detection and tree crown identification using discrete-return LiDAR data" (Dong, 2013)

Liu, Yang "Quantitative comparison of LiDAR data and user-generated three-dimensional building models from Google Building Maker" (Dong, 2012)

Miyakado, Haruna "Neural tube defect, heart defect, oral cleft and their geospatial associations with supermarket and convenience stores in the City of Dallas, Texas" (Oppong, 2013)

Nickerson, Joel "The role of knowledge and attitude in residential irrigation efficiency" (Hudak, 2012)

Regan, Amanda "Assessing the role of smaller format retailers on the food desert landscape in Dallas, Texas" (Rice, 2013)

Rice, Susan "Spatio-temporal variation of nitrate levels in groundwater in Texas" (Oppong, 2012)

Winston, Zack "Geoarchaeological analysis of two new test pits at the Dmanisi Site, Republic of Georgia" (Ferring, 2013)

UNIVERSITY OF TEXAS AT AUSTIN

PhD:

Cardozo, Mario "Smallholder Livelihoods and Market Accessibility in the Peruvian Amazon" (Crews and Young, 2013)

Carte, Lindsey "Central American Women and the Enactment of State Policy: Everyday Restriction on Mexico's Southern Border" (Torres, 2013)

McWatters, Mason "The Unworlding and Worlding of Agoraphobia" (Adams, 2013)

Schwartz, Leigh "Here Be Dragons: Imaginative Geographies of Online Video Games" (Zonn, 2013)

Masters (Arts):

Bonthius, Christine "A Megariver Under Threat: The Construction and Environmental Impacts of Dams in the Madeira River in Brazil, in Context of the Fluvial Geomorphology" (Latrubesse, 2013)

Knox, Richard "Changes in Recent Effective Discharge and Geomorphology Near the Old River Control on the Lower Mississippi River" (Latrubesse, 2013)

Lininger, Katherine "The Hydro-Geomorphology of the Middle Araguaia River: Floodplain Dynamics of the Largest Fluvial System Draining the Brazilian Cerrado" (Latrubesse, 2013)

Lowell, Jonathan "Into and out of the forest: change and community in Céu do Mapiá" (Adams, 2013)

Park, Edward "Temporal and Spatial Analysis of Suspended Sediment Distribution in the Amazon River Using Satellite Imagery" (Latrubesse, 2013)

Schwan, Gavin "Consumer Choice and the Retail Food Environment: A Reexamination of Food Deserts" (Doolittle, 2013)

Sounny-Slitine, Anwar "Geomorphic and Anthropogenic Influences on Hydrologic Connectivity Along the Lower Mississippi River" (Latrubesse, 2012)

UNIVERSITY OF TEXAS AT DALLAS

PhD:

Horn, Scott Ellis "Finding Hidden Road Segments by Determining a Cost Surface from Visible Proximal Segments: Discovering the Limits of Dean's Approach" (Dean, 2013)

Knize, Nicholas "Assessing the Impact of a Proposed Web2.0 Geospatial Information System for Improving the Decision-Making Process of Emergency Management and Incident Response Personnel" (Dean, 2013)

Sridharan, Harini "Object-Based Approaches to Image Classification for Hyperspatial and Hyperspectral Data" (Qiu, 2012)

Masters (Science):

Burger, Lawrence "Enhancement of a Condensate Trap Collection Schedule for a West Panhandle Natural Gas Pipeline System in Dumas, TX" (Chun, 2013)

Gill, James "Raster Based Spatio-temporal Analysis of the Coastal Sedimentary Geomorphological Response Along Lower Galveston Island and The Bolivar Peninsula Post a Major Cyclonic Event" (Chun, 2012)

Harshe, Akshay "Assessing the Relationship between suspended sediment discharge and vegetation health in wetlands" by (Dean, 2012)

Li, Xiang "Geographic Profiling and Crime Analysis" (Qiu, 2012)

Lin, Joyce "Internet Mapping with the Open Geospatial Consortium Standards: a Prototype of Open Source Web-Based GIS for Petroleum Drilling" (Chun, 2012)

Mikheev, Igor "Analysis of a Probable Flood Zone in the Case of Dam Failure in Collin County" (Chastain and Qiu, 2013)

Rodriguez, Iris "Development of a Graphical User Interface for Analysis and Integration of Stratigraphic Data" (Aiken, 2013)

Singels, Erik "Integrating Aerial and Terrestrial Data into a Three-dimensional Canyon Model: Modeling of a Low-angle Detachment Fault, Wassuk Range, Nevada" (Aiken, 2013)

Stair, Evan "Human Risk for the West Nile Virus in Dallas, TX, based on Environmental and Socioeconomic Factors" (Tiefelsdorf, 2013)

Todkari, Mohini "An Examination of the Commercial Flight Schedules and Capacities among India's Metropolitan Areas" (Tiefelsdorf, 2013)

UTAH

BRIGHAM YOUNG UNIVERSITY

Masters (Science):

Bonnie D. Weidemann "The Study and Comparison of Six Change Detection Methods Used to Identify Areas of Urban Sprawl in Utah County" (2012)

UNIVERSITY OF UTAH

PhD:

Burgess, Evan "Ice Flow Dynamics Of Alaska Glaciers" (Forster, 2013)

Davis, James "Physical, Chemical, And Biological Characteristics Of Weathering Pits, Moab, Utah" (Brunelle, 2013)

Deeb, Elias "Estimating Snow Water Equivalent (Swe) Using Interferometric Synthetic Aperture Radar (INSAR)" (Forster, 2012)

Lundeen, Zachary "Paleoecological And Isotopic Records Of Climate Change And Variability From Lakes And Speleothems, Bear River Range, Southeastern Idaho" (Brunelle, 2012)

Macharia, Anthony "Reconstructing Paleoenvironments Using A Mass-Energy Flux Framework" (Power, 2012)

Zhang, Yuan "A Rangeland Predictive Phenological Model For The Upper Colorado River Basin And Its Web Delivery" (Hepner, 2013)

Masters (Science):

Arnold, James "Modeling Climate-Fire Connections Within The Great Basin And Upper Colorado River Basin, Western United States" (Dennison, 2013)

Miller, Julie "Characterizing The Relationship Between Ku-Band Radar Backscatter And Snow Accumulation On The Greenland Ice Sheet" (Forster, 2012)

Powell, Ashley "Understanding the relationship between fire, climate, and population in Central Uganda from 1990 -2010" (Dennison, 2012)

VIRGINIA

GEORGE MASON UNIVERSITY

PhD:

Ayalew, Balehager "Integrating GIS and Remote Sensing Technology for Managing Tef Production in Ethiopia" (Qu, 2013)

Blanco, Alfonso "Remote Sensing Techniques for Monitoring Aquatic Vegetation" (Qu, 2013)

Canavosio-Zuzelski, Roberto "A Photogrammetric Approach for Geopositioning Open Street Map Roads" (Agouris, 2013)

Clark, Jonathan "Spatial Arrangement as a Part of Geospatial Feature Ontologies" (Stefanidis, 2012)

Oxendine, Christopher "Analysis of Volunteered Geographic Information for Improved Situational Awareness During No-Notice Emergencies" (Waters, 2013)

Perry, Nancy "The Influence of Geography on the Lives of African-American Residents of Arlington County, Virginia, During Segregation" (Haack, 2013)

Wang, Huilin "Distributed Catalogue Search of Earth Observation Data" (Di, 2013)

Masters (Science):

Faraj, Ardalan "Landuse/Landcover and Change Detection for the Iraqi Province of Sulamanyah Using Remote Sensing Methods" (Croitoru, 2013)

Gaw, Caleb "Applications of Urban Modeling Using Vegetation- Impervious Surface-Soil and Linear Spectral Mixture Analysis in Non-Western Countries" (Stefanidis, 2013)

Gertin, Thomas "Maximizing the Cost of Shortest Paths Between Facilities through Optimal Product Category Locations" (Curtin, 2012)

Jenkins, Andrew "Mapping Location-Based Social Topics in Today's Evolving Cities" (Stefanidis, 2012)

Magarick, Joshua " (Stefanidis, 2012)

Otto, Steven "On the Use of Spatical Narratives in Written Historical Records to Geo-Locate Historic Events" (Stefanidis, 2013)

WASHINGTON

CENTRAL WASHINGTON UNIVERSITY

Masters (Science):

Cannon, Jamie "Prioritizing Forest Restoration Treatments Areas Using Decision Support and Geospatial Analysis on the Okanogan-Wenatchee National Forest, Washington, USA" (Hickey, 2012)

Grant, Travis "A Comparison of State and County Management of Public Access and Impacts to Intertidal Zone Biodiversity: A Case Study of Rocky Shore Ecosystems in Island County, Washington" (Gabriel, 2013)

Jensen, Dawn-Marie "Species Diversity of Biological Soil Crust Lichen and Moss in the Whiskey Dick Mountain Area, Kittitas County, Washington" (Cottrell and Lipton, 2012)

Johnson, Kelseyanne "The Elwha River Restoration: Landscape Change, Salmon, and Sense of Place" (Barlow, 2013)

Lauver, Eric "Evaluation of Fall Chinook Egg-To-Fry Survival Study Methods in the Priest Rapids Hatchery Discharge Channel" (Lubinski, 2013)

Lukens, Michael "The Roles of Humans and Climatic Variation on the Fire History of Subalpine Meadows, Mt. Rainier National Park (McCutcheon and Walsh, 2013)

Maine, Alexa "Reproductive Biology of Anodonta californiensis in the Yakima River Basin" (Arango and Lillquist, 2012)

Mohammed, Hamsa "The Social, Economic, Political, and Environmental Disruption of Charcoal Production within the Unique Geopolitics of Sanaag Region in Somaliland" (Lipton, 2013)

Rhodd, Benjamin 2013 "White Stone Hill a Traditional Cultural Property: Synopsis Report of a Class II Survey Dickey, County, North Dakota" (Hackenberger, 2013)

Vickers, Sara "Testing a Proposed Method for Pair-Matching Commingled Skeletal Remains" (Lubinski, 2013)

UNIVERSITY OF WASHINGTON

PhD:

Aufseeser, Dena "'Managing' Poverty: Care and Control in the Everyday Lives of Peruvian Street Children" (Lawson, 2012)

Bowditch, Elise "Youth Rights, Truancy and Washington State's Becca Bill" (Withers, 2012)

Burnett, Rebecca "From Safety Net to Tightrope: New Landscapes of Welfare in the US" (Lawson, 2013)

Chen, Hong "Villages-in-the-City" and Urbanization in Guangzhou, China" (Chan)

Leszczynski, Agnieszka "Thinking the Geoweb: Political Economies, 'neo'geographies, and Spatial Media" (Elwood, 2012)

Newhouse, Leonie "South Sudan Oyee!: A Political Economy of Refugee Return Migration to Chukudum, South Sudan" (Mitchell, 2012)

Ramanathan, Muthatha "Repolicizing Development: Tracing Spatial Technology in the Rural Development Landscape of South India" (Jarosz, 2013)

Masters (Arts):

Bettani, Stefano "'Queering' Straightness: Heterosexual Experiences of Homonormative Spaces in Seattle" (Brown and England, 2012)

Gordon, Elyse "Cultivating Good Workers: Youth Gardening, Non-Profits and Neoliberalization" (Elwood, 2012)

Naslund, Skye "Portraits of Parasites: Geographic Imaginaries in the Production of Health Knowledge" (Mayer, 2012)

Turet, Lynda "Building Transformative Place-Making: Lessons From Washington Hall" (Mitchell, 2013)

White, Natalie "Who is Transnational? Considering Ideologies of Return in Guatemalan Origin Communities" (Lawson, 2012)

Young, Jason "Selecting a Conceptual Basemap: Critical GIS and Political Theory" (Elwood, 2012)

WESTERN WASHINGTON UNIVERSITY

Masters (Arts):

Anaka, Ryan "Transboundary watershed management in the Fraser Lowlands: Bertrand Creek and Fishtrap Creek" (Buckley, 2012)

Bell, Sarah "The spatial manifestation of neoliberal discourse: mapping Chicago's education reform debate" (Rossiter, 2013)

Jones, Riley "Cascadian Cross Border Cooperation Challenged: The Case of the Shared Waters Alliance" (Buckley, 2012)

Laws, Thomas "Trail counter calibration: the search for influences in Sequoia and Kings Canyon National Parks" (Stangl, 2013)
 Paskus, Matthew "Understanding the dynamic effects of flight patterns on land use" (Buckley, 2013)
 Pederson, Mark "Italian piazze: models for public outdoor space in sustainable communities" (Zaferatos, 2013)
 Tully, Jacob "The wildland-urban interface in the conterminous United States 2000-2010" (Medler, 2013)
 Whelan, Paul "Incipient soil development in the recently deglaciated Easton foreland, Mt "Baker, Washington" (Bach, 2013)
 Winings, Cathi "Mapping alpine treeline with high resolution imagery and LiDAR data in North Cascades National Park, Washington" (Medler, 2013)

WEST VIRGINIA

MARSHALL UNIVERSITY

Masters (Arts):

Epperly, Randolph (2012)
 Johnson, Marla (2012)
 Lee, Clifford (2013)

Masters (Science):

Davidson, James "Persistent Culinary Traditions in Rural Southern West Virginia" (Walz, 2013)
 Figgins, Jared "Political Party Affiliation, Regional Variation and the Demographic Correlates of Euroscepticism on the Isle of Great Britain" (Walz, 2013)
 Haight, Carrie (2012)
 Norman, Dominique "The Detection of Forest Structures in the Monogahela National Forest Using LiDar" (Leonard, 2012)
 Payne, Amanda (2012)
 Shi, Yishi (2013)
 Stephens, Ashley (2013)

WEST VIRGINIA UNIVERSITY

PhD:

Shanguhyia, Naomi
 Pruett, Timothy PhD

Masters (Arts):

Baker Benjamin
 Clark, Peter
 Davis, Clinton
 Haas, Benjamin
 Johnson, Cathleen
 Lohnes, Josh
 Murphy, Erin
 Rhea, Cassidy
 Sawyer, Benjamin
 Spade, Chad
 Stanley, Ryan

WISCONSIN

UNIVERSITY OF WISCONSIN-MILWAUKEE

PhD:

Burkham, Jonathan "The End of Migration from Atotonilco El Bajo to Milwaukee? A Transnational Analysis of Migration Decline and Immigrant Assimilation" (McCarthy, 2012)
 Day, Patrice "Access to Spatial Data: the Political Power of Legal Control Mechanisms" (Ghose, 2012)
 Deng, Chengbin "Small-area Population Estimation: An Integration of Demographic and Geographic Techniques" (Wu, 2013)

Masters (Arts):

Philpott, Carrie "'Si Yo, Yo Cuento': Latinas Making Space and Enacting Community for Social and Political Rights in Milwaukee, Wisconsin" (Sziarto, 2012)

Ranken, Rodney "The Neoliberal City and the Neighborhood: The Case of the Lindsay Heights Redevelopment Project" (Bonds, 2013)
 Reuning, Claire "Congolese Cultural Landscapes, Transnational Networks, and Identity Formation in Milwaukee" (Ghose, 2013)

Masters (Science):

Keuser, Anke "Decadal Changes and Future Projections of Precipitation in the Metropolitan Area of Milwaukee" (Choi, 2012)
 Kult, Jonathan "Regionalization of Hydrologic Response in the Great Lakes Basin: Considerations of Temporal Variability" (Choi, 2013)

Masters (Non-thesis):

Kirkland, Katherine (McCarthy and Yoon, 2012)
 Murray, Ashley (Fredlund, 2012)
 Nauth, Kathryn (Holifield, 2013)

WYOMING

UNIVERSITY OF WYOMING

Masters (Arts):

Johnson, Lacey "Using Decision Support in the Selection of Enterprise GIS for Rural Electric Cooperatives: A Case Study"
 Stafford, James "Relationships between snowpack and peak streamflows in Wyoming headwaters"

CANADA

ALBERTA

UNIVERSITY OF CALGARY

PhD:

Adhikari, Surendra "Advances in Modelling of Valley Glaciers" (Marshall, 2012)
 Moxham, Christopher Charles "Livelihood And Liberation: The Discourse And Reality Of Faith-based Development In San Carlos, Philippines" (Grant, 2012)

Masters (Science):

Asenso, Opoku Afriyie "They will mock at you: Barriers and Incentives to Youth Acceptance of HIV Voluntary Counselling and Testing in Kumasi, Ghana" (Grant, 2012)
 Branham, Jordan "Spatial variability of soil hydrophysical properties in Canadian Sphagnum dominated peatlands" (Strack, 2013)
 Ding, Jun Yan "Exploring the relationship between monthly precipitation and the EVI remotely sensed vegetation index of Serengeti National Park" (Hall-Beyer, 2012)
 Hagedorn, Douglas William James "Exploring New Directions in Multi-Modal Spatial Data Access" (Jacobson, 2012)
 Hemachandran, Bharanidharan "Developing HEAT Scores with H-Res Thermal Imagery to Support Urban Energy Efficiency" (Hay, 2013)
 Hossain, Md Mosharraf "Polarimetric Synthetic Aperture Radar Measurements of Snow Covered First-Year Sea Ice" (Yackel, 2012)
 Lapka, Stefanie "Oceanic storm surges in the outer Mackenzie Delta, NWT Canada: Remote Sensing of tundra disturbance and restoration from saline intrusion" (Moorman, 2013)
 Robbins, Allison "Range-Wide Habitat Mapping for Ords Kangaroo Rats (*Dipodomys ordii*)" (Bender, 2013)
 Underwood, Fox "A Geographical Exploration of Inflammatory Bowel Disease" (Bertazzon, 2013)
 Vallis, Vanessa "Investigating the effects of topography on glaciers in the Purcell and Rocky Mountain Ranges during the LIA and in 2005" (Sjogren, 2013)
 Zuback, Yoseph "Biogeochemical Exchange of Carbon After Peatland Restoration: Carbon Dioxide Fluxes and Dissolved Organic Carbon Export and Chemistry" (Strack, 2013)

MGIS (Masters of Geographic Information Systems):

Adhikari, Narendra "Time series backscatter of Arctic sea ice" (Yackel, 2013)
 Bhardwaj, Girish "Assessing the impact of snow depth on sea ice using MODIS derived albedo during spring transition" (Yackel, 2013)

Cleave, Evan Patrick "Examining Morphological Change along a Meandering River using GIS and Remote Sensing: Beaver River Alberta, a Case Study" (Martin, 2013)

Das, Sulakshmi "Evaluating Vegetation Indices and Thermal Infrared to improve GEOBIA Impervious Surface Mapping from high – resolution imagery: A Brentwood Case Study, Calgary, Alberta, Canada" (Hay, 2012)

McInnes, William Stirling Smith "Separating Native and Non-Native Grasses in Alberta with MODIS NDVI Time Series" (Bender, 2012)

Reikie, Rhiannon "Remote sensing of evidence of beaver activity in a forested landscape" (Hall-Beyer, 2012)

Saeed, Hira Tanveer "Delineation of Wetlands in the Athabasca Oil Sands Region through Pixel-Based and Object-Oriented Classification and Change Detection Techniques" (Hall-Beyer, 2013)

Wielki, Jeffery "Determining Wildfire Burn Severity in the Boreal Region of North America" (McDermid, 2012)

Yousif, Ahmed Bashir "Philippines vulnerability to sea level rise, storm surge and typhoons" (Dan Jacobson, 2012)

Zhang, Chunhua "A GIS workflow for Object-based Accuracy Assessment" (McDermid, 2012)

Zhang, Yilong "Evaluating the relationships between house structural properties and rooftop heat loss: a geo-spatial modelling approach" (Hay, 2013)

Zimmer, Alison Norris "Evaluating Cattle Distribution, Landscape Use, and Natural Barriers in Alberta's Rocky Mountains Forest Reserve" (McDermid, 2013)

UNIVERSITY OF LETHBRIDGE

Masters (Arts):

Montgomery, Jenna "Table set for Five: Perceptions of Water Governance in Alberta" (Xu, 2013)

BRITISH COLUMBIA

SIMON FRASER UNIVERSITY

PhD:

Cinnamon, Jonathan "Geographic injury Surveillance in Low "Resource Settings" (Schuurman, 2013)

Giesbrecht, Melissa "Placing the intersection: a qualitative exploration of formal and informal palliative caregiving in the home" (Crooks, 2013)

Heisler, Karen "Scales of benefit and territories of control: A case study of mineral exploration and development in northwest British Columbia" (Markey, 2012)

Howie, Sarah "Bogs and their lags in coastal British Columbia, Canada: characteristics of topography, depth to water table, hydrochemistry, peat properties, and vegetation at the bog margin" (Van Meerveld, 2013)

Lesemann, Jerome "Subglacial processes, glacier dynamics, and deglacial processes and patterns associated with the Cordilleran Ice Sheet (CIS) around Okanagan Valley, British Columbia" (Brennand, 2012)

Masters (Arts):

Baldwin, Kelly "The role of landscape understandings, transformations and the political economy of agriculture in attracting and averting young adults from farming in British Columbia" (Hall, 2013)

Brown, Chloe "The Geography of Climate Change in a Rural Resource Dependent Town: The Case of McBride, British Columbia." (Mann, 2012)

Casey, Victoria "Understanding friends and family members' experiences of going abroad with medical tourists" (Crooks, 2013)

McIlhenney "Peters, Kristin "Flexible Specialization and Green Entrepreneurship Secondary Wood Processing in the Vancouver Metropolitan region" (Hayter, 2012)

Masters (Science):

Fritz, Charles "Obesity and the Built Environment: a spatial analysis of two Canadian Metropolitan Areas" (Schuurman, 2013)

Herrington, Tyler "Dependence of regional climate change on greenhouse gas emission pathway" (Zickfeld, 2013)

Peters, Jared "Late Pleistocene Evolution of Glacial Lake Purcell: A Potential Floodwater Source to the Channeled Scabland" (Brennand, 2012)

Shrimmer, Jacquelyn "Influences on Hyporheic Exchange in a Small Coastal British Columbia Suburban Stream" (Van Meerveld, 2013)

Spencer, Sheena "'Double funneling in a mature forest in coastal British Columbia: Where does stemflow water go?" (van Meerveld, 2012)

Walker, Blake Byron "Spatial "Temporal Epidemiology of Violent Trauma in Built Urban Environments (Schuurman, 2013)

UNIVERSITY OF BRITISH COLUMBIA

PhD:

Hill, Geoffrey Becker "An evaluation of waterless human waste management systems at North American public remote sites" (Henry, 2013)

Lynch, Nicholas Andrew "Altered places the reuse of urban churches as loft living in the post-secular and post-industrial city" (Ley and Wyly, 2013)

Siemiatycki, Elliot "Consumption city: precarious labour and capital in Vancouver, British Columbia" (Peck, 2013)

Vives Gonzalez, Celia "Through the border: Senegalese gendered migration to Spain (2005-2010)" (Hiebert and Ley, 2012)

Walker, Samuel "Growing ideology: urban agriculture in Vancouver and Detroit" (Klinkenberg, 2013)

Masters (Arts):

Barrick, Leigh Christine "Everyday experiences of national security on the Olympic Peninsula" (Sundberg, 2013)

Collard, Julianne "Tracing knowledge and the law: the Missing Women Commission of Inquiry" (Pratt, 2013)

de Freitas, Amanda Corin Parsons "How much for Old Chico?: water governance and the cobrança in the São Francisco River Basin" (Bakker, 2012)

Donegan, Connor McElwee "Incarceration and state terror: racial capitalism in the American South, 1865-1945" (Barnes and Peck, 2013)

Fu, Xiao "Commercialization of university research: the case of Nanjing, China" (Edgington, 2013)

Grego, Caroline "Imagining a community-oriented 'national park nature': conflict, management, and conservation in the proposed South Okanagan - Lower Similkameen National Park Reserve" (Wynn, 2013)

Johns, Samuel Gregory "'Living the dream' atop Whistler Mountain: the malaise of modernity and Vancouver's leisure culture" (Ley, 2013)

Kraft, Molly "(Un) belongings: Muslim women in multicultural Canada" (Hiebert, 2012)

McGuire, Liam "The ten cities of Toronto: patterns of socio-economic inequality and polarization throughout the Toronto Census Metropolitan Area" (Klinkenberg, 2012)

Masters (Science):

Adderley, Christopher David "The effect of preferential view direction on measured urban surface temperature" (Christen, 2013)

Buehler, Holly "Impact of a hydropeaking dam on the Kananaskis River: changes in geomorphology, riparian ecology, and physical habitat" (Eaton and Hassan, 2013)

Kinnear, Matthew "The effects of discharge and slope on hyporheic flow in step-pool morphologies using cold water as a tracer" (Hassan, 2012)

Knudson, Justin M. "The effect of discharge variability on the heat budget and tributary mixing dynamics of a proglacial river" (Moore, 2012)

More, Michael "Building a global sediment database" (Hassan and Hermansen, 2012)

Parfitt, Ian "Citizen science in conservation biology: best practices in the geoweb era" (rian Klinkenberg, 2013)

MANITOBA

UNIVERSITY OF MANITOBA

PhD:

Else, Brent Gordon "Air-Sea CO2 Cycling in the Southeastern Beaufort Sea" (Papakyriakou, 2012)

Lindgren, Cory John "Addressing the Risks of Invasive Plants Through Spatial Predictive Modelling" (Walker, 2013)

Masters (Arts):

Pratte, Stephen "Transportation Infrastructure and Regional Development in Northern Manitoba: Realities and Prospects" (Todd, 2012)

Skinner, Emily Anne "Aboriginal Youth, Hip Hop, and the Right to the City: A Participatory Action Research Project" (Masuda, 2012)

Masters (Science):

Burt, Alexis Emelia "Mercury Uptake and Dynamics in Sea Ice Algae, Phytoplankton and Grazing Copepods From a Beaufort Sea Arctic Marine Food Web" (Wang and Stern, 2012)

Campbell, Karley "Analysis of Sea Ice Microalgae Biomass Variability Using Transmitted Irradiance" (Barber, 2012)

Moayeri, Michelle "Reconstructing the Summer Diet of Wolves in a Complex Multi-Ungulate System in Northern Manitoba, Canada" (Baydack, 2013)

Smith, Ryan "Relationships between Synoptic Circulation Patterns and Freezing Rain in Churchill, Manitoba, (1953-2009)" (Hanesiak, 2012)

Warner, Kerri "An Investigation of Active Microwave Remote Sensing of Summer Sea Ice in the Western Canadian Arctic" (Barber, 2012)

Young, Brent G. "Seasonal, Inter-Annual, And Spatial Variation in Ringed Seal Feeding Ecology in Hudson Bay Assessed Through Stable Isotope and Fatty Acid Biomarkers" (Ferguson, 2013)

Masters (Environment):

Alazmi, Saud Abdullah "The Feasibility of GIS in Urban Planning in Riyadh" (Baydack, 2012)

Chen, Hao "Value of Rain Gardens in Winnipeg: The Ecole St. Avila Rain Garden Case Study" (Baydack, 2012)

Chow, Linda "Youth and Elders: Perspectives on Intergenerational Knowledge Transfer in Churchill, Manitoba" (Oakes, 2012)

David, Tim J. "The Role of Anthropogenic Corridors in the Interactions between Wolves (Canis Lupus), Caribou (Rangifer Tarandus Caribou) and Moose (Alces Alces) in Eastern Manitoba (Walker, 2012)

Koster, Kristine "Feasibility of Habitat Banking in Manitoba" (Baydack, 2013)

Officer, Rob "Establishing a process for a Wetland Vegetation Rehabilitation and Management Program Focused on Reed Canarygrass: A Parkland Mews Case Study" (Baydack, 2012)

Ostermann, Tanis L. P. "Using ISO 14001 Environmental Management Systems to manage for Sustainability" (Baydack, 2012)

Rudolph, Karlah Rae "Close to the Land: Connecting Northern Indigenous Communities and Southern Farming Communities through Food Sovereignty" (McLachlan, 2012)

Syrowitz, Jennifer "Brood habitat and Invertebrate Biomass of the Greater Prairie Chicken (Tympanuchus Cupido Pinnatus) in Northwestern Minnesota" (Toepfer, 2013)

Bachelors (Arts):

Birch, Allison "Isolating Environments: A Multidisciplinary Analysis on the Social Determinates of Health in a First Nation Reservation" (Masuda, 2013)

Drabble, Jenna "Building Respectful Research Relationships: Lessons from a Community Based Participatory Research Project in Dakota Tipi First Nation" (Masuda, 2012)

Fares-Argue, Jacqueline "The Anthropogenic Impacts on Endangered Arctic Species: Identifying the Gaps in Research and its Implications for Conservation Management" (Baydack, 2013)

Wideman, Trevor "Our Winnipeg? Planning, Intensification, and Policy Mobilities in Winnipeg, Canada" (Oakes and Baydack, 2013)

Bachelors (Science):

Birch, Allison "Isolating Environments: A Multidisciplinary Analysis on the Social Determinates of Health in a First Nation Reservation" (Masuda, 2013)

Drabble, Jenna "Building Respectful Research Relationships: Lessons from a Community Based Participatory Research Project in Dakota Tipi First Nation" (Masuda, 2012)

Fares-Argue, Jacqueline "The Anthropogenic Impacts on Endangered Arctic Species: Identifying the Gaps in Research and its Implications for Conservation Management" (Baydack, 2013)

Wideman, Trevor "Our Winnipeg? Planning, Intensification, and Policy Mobilities in Winnipeg, Canada" (Oakes and Baydack, 2013)

ONTARIO

BROCK UNIVERSITY

Masters (Arts):

Arblaster, Lisa "Impacts of climate change on agricultural drought and yield amounts in the Prairie Region, Canada" (Shaw, 2013)

Barber, Jesse "Technologies of the Sexual Encounter: Grindr and Urban Gay Places" (Nash, 2012)

Coskan, Mert "Illegal Aliens and the Inconspicuous Geographies of US Immigration and Border Policing within 100 miles of the US-Canada Border" (Simandan, 2013)

Currie, Natalie "The Art of Resisting Colonial Education" (Ripmeester, 2012)

Epp, Sara "Competing and Conflicting Land Uses at the Rural-Urban Interface: Understanding the Impacts of Residential Developments on Agricultural Landscapes" (Fullerton, 2013)

Lagani, Richard "Door Locks and Domestic Space: Unlocking Key Knowledge of the Home" (Ripmeester, 2012)

Mitchell, Meithili "Eclipsing Renewable Energy: Ignorance, Indifference, and Inaction" (Boggs, 2012)

Pickering, Kerrie "Assessing the Adaptive Capacity of the Wine Industry for Climate Change Adaptation: A Case Study of the Ontario Wine Industry" (Shaw, 2013)

Whipple, Heather "Extraterrestrial human geographies" (Simandan, 2013)

CARLETON UNIVERSITY

PhD:

Adamo, Abra "Social (in)justice and the 'sustainable city': Smart growth intensification in era of neoliberal urban governance in the City of Ottawa, Canada" (Klodawsky and Mackenzie, 2012)

Duru, Asli "Istanbul's Weekly Public Markets: Narratives of Access, Provisioning, and Governance" (Klodawsky, 2012)

Kushwaha, Anita "The Significance of Nuna (the Land) and Urban Place-making for Inuit living in Ottawa, Ontario Canada" (Klodawsky and Patrick, 2013)

Lauriault, Tracey "Data, Infrastructures and Geographic Imaginations" (Taylor, 2012)

Martin, Gary "Manufacturing 'Home': Sustainability Discourses in Suburban Ottawa" (Ballamingie, 2013)

Morse, Peter "Near-surface permafrost conditions, Kendall Island Bird Sanctuary, western Arctic coast, Canada" (Burn, 2013)

Porter, Trevor "White Spruce Tree-Rings from Arctic Treeline in Old Crow Flats and the Mackenzie Delta, Northwestern Canada: Indicators of Past Climatic Change" (Pisarcic, 2012)

Virk, Ravinder "Impacts of cattle grazing on spatio-temporal variability of soil moisture and above-ground live plant biomass in mixed grasslands" (Mitchell, 2013)

Masters (Arts):

Bisson, Christopher "Forests for the People: Resisting Neoliberalism Through Permaculture Design" (Ballamingie and Wigle, 2013)

Blinick, Geri "Manomin (Wild Rice) in the Kiji Sibi (Ottawa River) Valley: An Exploration of Traditional Food, Development and Decolonization" (Ballamingie, 2012)

Hayne, Kara "Applying GIS to program performance measurement and evaluation: The case of children's community-based public health promotion programs" (Taylor, 2013)

Popovici, Ruxandra "The elephant in the field: Exposing the obstacles to project 'success' in a western-led agroforestry initiative in the Peruvian Amazon" (Smith, 2012)

Sperl, Aldous "Climate Denial in Canada: An Evaluation of the Friends of Science and Fraser Institute Positions" (Brklacich, 2013)

Sullivan, Carmelle "Integrating Culturally Relevant Learning in Nunavut High Schools: Student and education perspectives from Pangnirtun, Nunavut, and Ottawa, Ontario" (Ljubicic, 2013)

Masters (Science):

Banks, Sarah "Assessing Radarsat-2 Polarimetric SAR for Mapping Shoreline Cleanup and Assessment Technique (SCAT) Classes in the Canadian Arctic" (King, 2012)

Parkinson, William "Random Forest Classification for Surficial Material Mapping in Northern Canada" (Richardson, 2013)

Steele, Courtney "The impact of a large arctic storm surge on chironomid community assemblages, Mackenzie Delta, Northwest Territories, Canada" (Pisarcic, 2013)

Van Den Berg, Jessica "Fuzzy Classification for Eastern Ontario Land Cover Mapping" (Mitchell, 2012)

Zanatta, Ryan "Stream-Subsurface Exchange and Hyporheic Zone Influence on Reach-scale Water Budgets within a Boreal Shield Catchment of Quebec, Canada" (Carey and Richardson, 2013)

QUEEN'S UNIVERSITY

Phds:

Atkinson, David "Modelling Biophysical Variables and Carbon Dioxide Exchange in Arctic Tundra Landscapes using High Spatial Resolution Remote Sensing Data" (Treitz, 2012)

Hall, Heather "Stuck Between a Rock and a Hard Place: The Politics of Regional Development initiatives in Northern Ontario" (Betsy Donald, 2012)

Jacobs, Madelaine "Assimilation Through Incarceration: The Geographic Imposition of Canadian Law Over Indigenous Peoples" (Osborne and Lovell, 2012)

- Liu, Wenbao "Spatiotemporal Modeling of the Impacts of Forest Harvesting, Climate Change and Topography on Stream Nitrates in a Forested Watershed" (Chen, 2012)
- Ouellette-Kuntz, Helene "Experiences of Young Adults with Intellectual Disabilities in Small Town and Rural Ontario" (Rosenberg, 2012)

Masters (Arts):

- Christmas, Candice "Disentangling the Effects of Material and Social Deprivation on Early Childhood Development in the KFL&A Public Health Planning Area" (Rosenberg, 2013)
- Huynh, Nancy "Eating Versus Selling Authenticity: Negotiating Toronto's Vietnamese Culinary Landscape" (Kobayashi, 2012)
- Mager, Andrea "Rapid Condominium Growth and the Emergence of the Ultra-Luxury Condominium Market in Toronto, Canada" (Donald, 2013)
- Wood, Trista "Exploring Tools to Develop the Bioeconomy in Eastern Ontario" (Mabee, 2012)

Masters (Science):

- Conway, Alexandra "An Investigation of Forest-Grassland Dynamics in Southwest Yukon, Canada" (Danby, 2012)
- Fan, Wenyong "A Spatial Statistical Analysis to Estimate the Spatial Dynamics of the 2009 H1N1 Pandemic in the Greater Toronto Area" (Chen, 2012)
- Graham, Amanda "Nitrogen Fixation and the Fate and Turnover of Carbon Fixed Through Hydrogen-Coupled Carbon Dioxide Fixation in Soybeans" (Scott, 2013)
- Lowcock, Ashley "Applications of Shrub Dendrochronology in Tracking Decadal Changes in Pond Margin Dynamics" (Danby, 2012)
- Pope, Graham "LiDAR and WorldView-2 Satellite Data for Leaf Area Index Estimation in the Boreal Forest" (Treitz, 2012)

RYERSON UNIVERSITY

Masters (Arts):

- Albanese, Sandra "An Analysis of Spatial Relationships between Electrical Fires in the Greater Toronto Area and Socioeconomic Characteristics" (Ceh, 2013)
- Anissa, Abel "Spatial analysis of urban environmental quality around condominiums in Toronto" (Ceh, 2013)
- Bowman, Lisa "An application of regional coastal erosion processes in urban areas: A case study of the golden horseshoe" (Vaz, 2013)
- Buckingham, Tegan "Using cluster statistics to determine the relationships between disadvantaged populations and air polluting facilities in Toronto, Canada" (Kedron, 2013)
- Carr, Marina "Obesity in Canada: A preliminary analysis of potential predictors of BMI" (Wang, 2013)
- Carter, Christopher "Assessing the digital approach to the study of business geography: An evaluation of ESRI's Business Analyst 10.1" (Wang, 2013)
- Cattana, Christina "A GIS-assisted evaluation of Toronto public libraries: Assessing impacts of proposed closures" (Wang, 2013)
- Chambers, Michael "Predictive power of film attributes with respect to audience demographics" (Forsythe, 2013)
- Desai, Kruti "Augmenting Regional Planning through the Participatory Geospatial Web – A Scenario for the Neptis Geoweb Tool" (Rinner, 2013)
- Dhoska, Enia "Spatial Structuring of the Ethnic South Asian Consumer Market: A Comprehensive Analysis of the Toronto CMA" (Wang, 2013)
- Emmons, Matthew "Modifying the Two Step Floating Catchment Area Model to Consider Population Heterogeneity in Regards to Primary Care Physician Access in the Toronto CMA" (Wang, 2013)
- Grunstra, Mary "Spatial Distribution of Haloacetic Acid Concentrations in Treated and Distribution Water Samples in Drinking Water in Ontario" (Ceh and E. Vaz, 2013)
- Hare, Cameron "Assessing Ozone and Fine Particulate Matter Concentrations and Trends in Ontario, Canada, 2003-2012" (Forsythe, 2013)
- Heinrich, Krista "Normalization and Spatio-Temporal Standardization in Multi-Criteria Analysis: A Case Study of Wellbeing Toronto" (Rinner, 2013)
- Henry, Ruthanne "Spatial Analysis Methods for Trails Planning Within Environmentally Significant Areas: A Case Study in Toronto, Canada" (Millward, 2013)
- Lacalamita, Julie "An Analysis of Online and Offline Shopping Patterns in Urban and Suburban Regions of The Greater Toronto Area" (Swales, 2013)
- Lau, Shirley "Examining Spatial and Temporal Trends in the Evolution of Regional and Super-Regional Shopping Centres Across Canada, from 1996-2013" (Hernandez, 2013)
- Li, Karen "Accessibility to Primary Care Physicians among On-Reserve Aboriginals in Northern Ontario: A Three Zone 2SFCA Approach" (Wang, 2013)
- Lo, Denise "The Geography of Aging: Exploring the Lives of Chinese Seniors in the Toronto CMA" (Ghosh, 2013)

- Mackay, Kevin "The Effect of Occupation on the Spatial Distribution of HIV and AIDS in Thailand Using Amoeba Cluster Analysis" (Kedron, 2013)
- Maher, Yurie "An Impact Assessment of Particulate Matter on Human Health - An Exploratory Analysis in India as A Case Study" (Banting, 2013)
- McKay, Adam "The Geography of Health in Thailand: An Exploration in the Relationship between Non-Government Organizations and HIV/AIDS" (Kedron, 2013)
- Nicolucci, Adrian "Soil Characteristics and their Relationship to Tree Root Density and Morphology" (Millward, 2013)
- Szatmari, Eva "A GIS-based Analysis of Underground Cable Network for Predictive Maintenance" (Wang, 2013)

UNIVERSITY OF GUELPH

PhD:

- Mount, Philip "Local Food, Scale And Conventionalization: Mid-Scale Farms And The Governance Of "Local Beef" Chains" (Smithers, 2012)
- Sportel, Terah "Labour, livelihoods & political narratives: A study of social structures, globalisation & development in the coconut economy of Kerala" (Veron, 2013)

Masters (Arts):

- Bull, Jacqueline "Dining Out On Local: Pathways, Practices And Transformations Of Food From Field To Restaurant" (Smithers, 2012)
- Codyre, Michael "The Potential Of Urban Agriculture In Guelph" (Fraser, 2013)
- Coop, Deanna "Community Farms On Public Conservation Lands: Exploring Implications For Local Food" (Smithers, 2013)
- Geiger, Martha "Exploring Donkey Welfare And Positionality In Maun, Botswana" (A. Hovorka, 2013)
- McCubbin, Sandra "Vulnerability To Climate Change In The Context Of Multiple Stressors: The Case Of Funafuti, Tuvalu" (Smit, 2013)

Masters (Science):

- Ahrens, Beau "Identifying Closed Depressions In The Hummocky Topography Of The Waterloo And Paris-Galt-Guelph Moraines Of Southwestern Ontario" (Lindsay, 2012)
- Allard, Melanie "Temporal Calling Patterns Of Seven Anuran Species In Southern Ontario" (Bennett, 2012)
- Brown, Robert "Responses Of Alpine Treeline Ecotones To 20th Century Climate Change: A Comparative Analysis From Kananaskis Country, Alberta" (Gedalof, 2013)
- Melnichuk, Amie "Multi-Temporal Crop Classification Using A Decision Tree In A Southern Ontario Agricultural Region" (Berg, 2012)
- Simmons, Jane "An Evaluation Of Approaches To Derive Effluent Requirements For Wastewater Treatment Plants In Ontario" (Yang, 2013)

UNIVERSITY OF OTTAWA

PhD:

- Boucher, Louise Nathalie "La contribution des représentations paysagères au caractère patrimonial du site des chutes chaudières en Outaouais" (Gilbert, 2012)
- Fast, Stewart "Public Opinion and Communicative Action Around Renewable Energy Projects" (McLeman, 2013)
- Han, Ruibo "Urban transformation in China: An urban ecological perspective" (Cao, 2012)
- Sander-Regier, Renate "The Power of a Small Green Place a Case Study of Ottawa's Fletcher Wildlife Garden" (Brosseau, 2013)

Masters (Arts):

- Alavie, Niloofar "Urban land use and land cover change" (Ray and Bannari, 2012)
- Barwln, Lynn "Places of Tradition, Places of Research: The Evaluation of traditional medicine workshops using culturally and locally relevant methods" (Crighan, 2012)
- Cloutier, Kayla "L'entre-deux des jeunes migrants franco-ontariens: Appartenances territoriales et réseaux sociaux virtuels" (Gilbert, 2013)
- Lagasi, Alisha "The Geographies of second-generation Muslim Women: Identity formation and everyday experiences in public space" (Ray, 2013)
- Mosley, Brian "Estimating Health Determinants and Outcomes in Rural Ottawa: An integration of Geographic and Statistical Techniques" (Sawada, 2012)
- Sioui, Miguel "Asserting Miyo-Pimaadiwin" (McLeman, 2012)

Masters (Science):

- Darling, Samantha "Velocity Variations of the Kaskawulsh Glacier, Yukon Territory" (Copland, 2012)

- Dejong, Tyler "Recent changes in glacier facies zonation on Devon Ice Cap, Nunavut, detected from SAR imagery and field validation methods" (Copland, 2013)
- Duguay, Maxime "Permafrost changes along the Alaska Highway Corridor, Southern Yukon, from ground temperature measurements and DC Electrical Resistivity Tomography" (Lewkowicz, 2013)
- Keizer, Peter "Forest Dynamics in Relation to Late-Holocene Climatic Variability, Eastern Ontario, Canada" (Gajewski, 2013)
- Lafontaine-Boyer, Karelle "Dynamiques de la végétation en regard des variabilités climatiques au cours de l'Holocène tardif, Outaouais, Québec" (Gajewski, 2013)
- Neil, Karen "Human-Ecosystem Interactions in Relation to Holocene Climate Change in Port Joli Harbour, Southwestern Nova Scotia, Canada" (Gajewski, 2013)
- Oliva, Francis "Paleoflood history of an oxbow lake in the Desert River catchment area, southwestern Quebec, Canada" (Viau, 2013)
- Waechter, Alexandra "Regional Assessment of glacier motion in Kluane National Park, Yukon Territory," (Copland, 2013)
- White, Adrienne "Dynamics and Historical Changes of the Petersen Ice Shelf and Epishelf Lake, Nunavut, Canada, since 1959" (Copland, 2012)

UNIVERSITY OF TORONTO

PhD:

- Bissonnette, Jean-Francois "Envisioning Agribusiness: Land, Labour and Value in a Time of Oil Palm Boom in Indonesia" (Silvey, 2012)
- Chum, Antony Wai Ho "Socio-Environmental Determinants of Cardiovascular Diseases" (Walks, 2012)
- Freeman, Lisa Marie "Making Room: The Geography of Rooming House Regulation in Toronto" (Ruddick, 2013)
- Macaraig, John Marvin Rodriguera "Urban Greenspace, Civil Society and Science: The Creation and Management of the Rough Park, Ontario, Canada" (Sorensen, 2013)
- Parlette, Vanessa "On the Margins of Gentrification: The Production and Governance of Suburban Decline" (Cowen and Walks, 2012)
- Ramin, Maryam "Towards a Methodological and Structural Improvement of Eutrophication Modelling" (Arhonditsis, 2013)
- Tam, Benita "The Effects of Weather and Climate Variability on the Well-Being of a Rural and Urban Aboriginal Group in Ontario, Canada" (Gough, 2012)
- Weaver, Jennifer Elisabeth "Species Distribution Models of Invasive Species: Issues of Scale, Sample Selection Bias, Model Transferability and Prediction" (Conway, 2012)

Masters (Arts):

- Gibson, Melissa "Banking on Remittances: Migration and Development Desires in the Philippines" (Silvey, 2012)
- Moses, Zev Lionel Fournier "Neoliberalism, the Islamic Revival, and Urban Development in Post-war, Post-socialist Sarajevo" (Prudham, 2012)
- Ning, Ashley Nicole "Mobilities of Aboriginal Youth: Exploring the Impact on Health and Social Support Through Photovoice" (Wilson, 2013)
- Ohberg, Lisa Ann "What's Stopping Us?: Identifying Barriers to the Local Food Movement Using Ontario, Canada as a Case Study" (Wakefield, 2012)
- Parkinson, Craig Andrew "The political ecology of community conservation in northern Kenya: A case study of the Meibae Community Wildlife Conservancy" (Kepe, 2012)
- Tessaro, Danielle "Political Ecology of Development in South Africa's Wild Coast: Exploring Stakeholder Arguments for and Against Possible Development Strategies" (Kepe, 2012)
- Thomas, Cassandra Anne "Newcomers and Social Inclusion in Peel Region, Ontario: Examining the Importance of Settlement Services" (Wilson, 2012)

Masters (Science):

- Beck, Kristen "A Holocene Paleolimnological Record from the Turkey Lakes Watershed Long-term Monitoring Site in Central Ontario, Canada" (Finkelstein, 2013)
- Binnington, Taylor "Optimal Siting of Dispersed Wind Farms in Ontario" (Harvey, 2013)
- Fung, Jonathan Winston "Atmospheric Inversion of the Global Surface Carbon Flux with Consideration of the Spatial Distributions of US Crop Production and Consumption" (Chen, 2012)
- Haynes, Kristine Marie "Hydrological Controls on Mercury Mobility and Transport from a Forested Hillslope During Spring Snowmelt" (Mitchell, 2012)
- Munroe, Jake Warner "Nutrient Availability in the Rhizosphere of Coffee: Shade-Tree and Fertilization Effects" (Isaac, 2013)

- Shakeel, Tooba "Homeowners as Urban Forest Managers: Examining the Role of Property-level Variables in Predicting Variations in Urban Forest Quantity Using Advanced Remote Sensing and GIS Methodologies" (Conway, 2012)
- Shiller, Jennifer "Factors Affecting Holocene Carbon Accumulation in a Peatland in Southern Ontario" (Cowling and Finkelstein, 2013)
- Siddiqi, Zazar "Dynamic Ridesharing: Is Technology Important?" (Buliung, 2012)
- Thayer, James Benjamin "Downstream Variability of Fluvial Forms, Process and Character in a Small Deglaciated Watershed of Southern Ontario" (Desloges, 2012)
- Vanthof, Stephanie "Future Heat Stress in Urban Areas Based on Maximum Wetbulb Temperatures" (Harvey, 2012)
- Wong, Kelly Ka Lei "Remote Sensing of Tall Grasslands: Estimating Vegetation Biochemical Contents at Multiple Spatial Scales and Investigating Vegetation Temporal Response to Climate Conditions" (He, 2013)

MSc Planning:

- Barol, Shirin "Exploring Partnership in Urban Development Practice: An analysis of TIFF Bell Lightbox project" (Siemiatycki, 2012-13)
- Bath, Amy "Narrow conditions: Considering residential laneway development as a densification initiative in Toronto" (Hackworth, 2012-13)
- Berquist, Michelle "Stormwater Infrastructure on Private Land: Accountability through Accounting Lessons learned from the development of stormwater credit programs in three Ontario municipalities" (Conway, 2012-13)
- Bird, Alyssa "Defining Placemaking Practice and the Perceptions about its Influence on Community Health" (Wakefield, 2012-13)
- Cohlmeyer, Emma "Re-imagining Vacant Storefronts: Exploring New Models for the Temporary Use of Space in Seattle, New York, Newcastle and Toronto" (Sorenson, 2012-13)
- Corey, Sarah "Enabling Urban Agriculture in Toronto: diverse farming systems as thriving businesses and compatible land uses" (Wakefield, 2012-13)
- Dean, Michael "Measuring the success of Stream Restoration Projects: an evaluation of five Ontario Conservation Authorities" (Conway, 2012-13)
- Denson, Catherine "Co-Financing Television Dramatic Series in Toronto: The Role of Policy" (Leslie, 2012-13)
- English, Lauren "A Rise in Midrise? Evaluating the reality and goals of Toronto's Avenues and Midrise Buildings Study" (Hess, 2012-13)
- Fairbairn, Brent "Street Food: Not Just for Hipsters" (Hess, 2012-13)
- Girard, Daniel "Non-Strategic Assets' or 'Putting People First': The Social Implications of Selling Toronto Community Housing's Scattered-Site Standalone Homes" (Hackworth, 2012-13)
- Heath, Brendan "Green Space, Community Gardens and the Regent Park Revitalization" (Wakefield, 2012-13)
- Hussaini, Zubaira "From Principle to Practice: A look at Part II Orders in the Environmental Assessment Process" (Hess, 2012-13)
- Ireland, Stephanie "Arts & Culture Festivals as a Tool for Community and Cultural Development: The Case of GlobalFest in Calgary" (Leslie, 2012-13)
- Khan, Sheraz "A Case Study in Planning and Digital Media: Exploring the use and development of web maps in the city of Toronto" (Siemiatycki, 2012-13)
- Korn, Jeremy "Reducing Stigma Through Built-Form Interventions: The Case of CAMH" (Hess, 2012-13)
- Langlois, Natalie "Open Data: Bridging the gap between government open data and community data needs" (Rankin, 2012-13)
- Law, Robert "Eco-innovation Clusters: Benefits and Best Practice" (Desrochers, 2012-13)
- Lee, Sean "The Influence of Bus Rapid Transit on Development Decisions in York Region, Ontario" (Hess, 2012-13)
- Lemon, Sean "An Evaluation of Ontario's Global Adjustment Mechanism (GAM): Evidence from 2011-12" (Harvey, 2012-13)
- Li, Wang (Edwin) "Creating the Right Tool: Walk the Walk - Assessing walkability in mobility hubs and GO station areas in the GTHA in the context of walking as a higher-order transit access sub-mode" (Hess, 2012-13)
- Major, Sean "Homeownership and Alternatives in Revitalizing Neighbourhoods" (Rankin, 2012-13)
- Mitchell, Joshua "The Socio-economic implications of tourism in Harlem" (Leslie, 2012-13)
- O'Donnell, Darren "Performing Young Enterprise - the youth arts landscape, Toronto Canada" (Leslie, 2012-13)
- O'Hagan, Brittany "Creativity in Placemaking: Inspiration from the Regent Park Revitalization and the Daniels Spectrum" (Leslie, 2012-13)
- Panasar, Harleen "First Nations Communities & Source Water Protection Planning in Ontario" (McGregor, 2012-13)
- Plaizier, Katie "Neighbourhood Responses to the Use of Motels as Shelters: The Scarborough Experience" (Jason Hackworth, 2012-13)
- Routley (Beebe), Melissa "What Does the Junction Flea Mean for the Junction? A Case Study of a Neighbourhood Market" (Leslie, 2012-13)

Sandink, Dan "Wildland-Urban Interface Fire Mitigation in Ontario Municipalities: Challenges and Opportunities" (MacDonald, 2012-13)
 Sato, Megumi "Increasing corporate sustainability reports in the Canadian oil and gas industry" (Harvey, 2012-13)
 Sun, Yiru "Towards Market-based Solutions for Improving the Energy Efficiency in Toronto's Building Sector" (Harvey, 2012-13)
 Xu, JieLan "New Urbanist Development Pattern of Suburban Neighborhoods: A Case Study in the Greater Toronto Area" (Sorenson, 2012-13)

UNIVERSITY OF WATERLOO

PhD:

Abd Elghani "Maaly Heritage and hospitality links in hotels in Siwa, Egypt: Towards the provision of authentic experiences" (Wall, 2012)
 Abulibdeh, Ammar "Equity Implications of Cordon Pricing in Downtown Toronto" (Andrey, 2013)
 BaMasoud, Abdullah "An Examination of Shoreline Changes in Pointe Pelee National Park, Ontario" (Byrne, 2013)
 Hano, Katarzyna "The Accessibility of the Jamaican and Aruban All-Inclusive Resorts" (Wall, 2012)
 Hoicka, Christina "Understanding Pro-Environmental Behaviour as Process: Assessing the Importance of Program Structure and Advice-Giving in a Residential Home Energy Evaluation Program" (Parker, 2012)
 Hooykaas, Amanda Leigh "Enduring Gardens: Woven by Friends into the Fabric of the Urban Community" (McAllister, 2012)
 Huang, Qingxu "Exurban land cover and land market evolution: Analysis, review and computational experimentation of spatial and agent heterogeneity from the bottom up" (Parker, 2013)
 Ibrahim, Zainub "A Framework for Assessing National Tourism Plans" (Geoff Wall, 2013)
 Joakim, Erin "Resilient Disaster Recovery: A Critical Assessment of the 2006 Yogyakarta, Indonesia Earthquake using a Vulnerability, Resilience and Sustainable Livelihoods Framework" (Doberstein, 2013)
 Kang, Kyung Kuk "Passive Microwave Remote Sensing of Ice Cover on Large Northern Lakes: Great Bear Lake and Great Slave Lake, Northwest Territories, Canada" (Duguay, 2012)
 Longboat, Sheri "First Nations Water Security and Collaborative Governance: Chippewas of Kettle and Stony Point First Nation, Ontario, Canada" (Armitage, 2013)
 Matthews, Cushla "Exploring the Implementation Potential of a Proposed Water Ethic: A Canadian Case Study into Underlying Ethical Considerations for Water Resources Management" (Mitchell and Gibson, 2013)
 Omoto, Reiko "Small-scale producers and the governance of certified organic seafood production in Vietnam's Mekong Delta" (Scott and Wismer, 2012)
 Shifflett, Geoffrey "The Evolving Muskoka Vacation Experience 1860-1945" (Wall, 2012)
 Turner, Kevin "Investigating the Hydrology of a Lake-Rich Thermokarst Landscape (Old Crow Flats, Yukon)" (Wolfe, 2013)
 Whittington, Peter "The Impacts of Diamond Mining to Peatlands in the James Bay Lowlands" (Price, 2013)

Masters (Arts):

Gunson, Bryce. Developing a Collaborative Environmental Decision Making Model to Site a Nuclear Fuel Waste Repository in Canada" (B Murphy, 2012)
 Holzapfel, Nicole. Gardening with Gramsci: Analyzing Edible Gardens as an Agri-Food Initiative" (A Blay-Palmer, 2013)
 Kature, Virpal. A Suburban State of Mind: The Housing Preferences and Location Choices of Second Generation South Asians" (M Walton-Roberts, 2013)

Masters (Science):

Baijnath, Janine "Assessing the Circulation Response to Snow Albedo Feedback in Climate Change" (Fletcher, 2012)
 Blakey, Andrew "SunSpot: A Spatial Decision Support Web-Application for Exploring Urban Solar Energy Potential" (Feick, 2013)
 Chen, Hufeng "Digital Terrain Models Generation from Airborne LiDAR Point Clouds Using A Multi-scale Terrain Filtering Method" (Li, 2012)
 Elmes, Matthew "Paleolimnological Approaches for Developing Baseline Knowledge of Polycyclic Aromatic Compound Deposition in the Peace-Athabasca and Slave River Deltas" (Wolfe, 2013)
 Farquharson, Nicole "Characterizing the Roles of Hydrological Processes, Climate Change and Lesser Snow Geese on Ponds in Wapusk National Park using Isotopic Methods" (Wolfe, 2013)
 Gagne, Shawn "The effects of increased air temperature and soil moisture on microbial metabolic diversity and soil respired CO2 concentrations in three selected arctic tundra plant communities" (English, 2012)

Giroux, Kayla "Pre- and Post-Harvest CO2 Fluxes from an Upland Boreal Aspen Forest in the Western Boreal Plain, Alberta, Canada" (Petrone, 2012)
 Jin, Jiao "A Random Forest Based Method for Urban Land Cover Classification using LiDAR Data and Aerial Imagery" (Li, 2012)
 Malloy, Shannon "Fen restoration on a bog cut down to sedge peat: A hydrological assessment of rewetting and the impact of a subsurface gyttja layer" (Price, 2013)
 McCarter, Colin "The hydrology of the Bois-des-Bel bog peatland restoration: A tale of two scales" (Price, 2012)
 Owens, Jennifer "The Differing Influences of Soil Moisture and Antecedent Soil Moisture on the Timing and Magnitude of N2O Production" (Macrae, 2012)
 Ren, Que "Fuzzy logic-based digital soil mapping in the Laurel Creek Conservation Area, Waterloo, Ontario" (Li, 2012)
 Sutherland, George "Using LiDAR-Derived Information on the Vegetation Canopy Structure to Scale Evapotranspiration estimates beyond the Lower Footprint in the Western Boreal Plains, Canada" (Petrone, 2013)
 Williams, Tyler "Recovery of Linear Disturbances in a Discontinuous Permafrost Peatland Environment" (Quinton, 2012)
 Xie, Si "Sea-Ice Detection from RADARSAT Images by Gamma-based Bilateral Filtering" (Li, 2013)

Masters (Environmental Studies):

Ingrubelli, Josh "Perception of Importance and Performance of Certified Costa Rican Ecotourism" (Eagles, 2012)
 Khan, Zubair "Climate Change Adaptation: What works and what does not work in adaptation planning" (Hanna, 2012)
 Leung, Wanda "Impacts and Influence of the Timber Class Environmental Assessment in Ontario" (Hanna, 2012)
 Rahaman, Khan "A Comparative analysis of municipal climate adaptation planning processes in the EU and Canada" (Hanna, 2012)
 Roewade, David "Carbon Decline: The Challenge of Meeting Municipal GHG Reduction Targets" (Parker, 2012)
 Rosato Larrauri, Melissa "Measuring Poverty and Wellbeing: Applications for Land Management" (Cukier and Doberstein, 2013)
 Silver, Amber "Factors influencing individuals' decision-making during high-risk short-notice disasters: the case study of the August 21st, 2011 Goderich, Ontario tornado" (Andrey, 2012)
 Spurgeon, Joslyn "The use of Social Marketing for effective Public Communication: Experience with Ontario Water Conservation Programs" (Mitchell and De Loe, 2012)
 Suderman, Emily "Policy Tools for a Municipal Energy Plan" (Parker, 2012)

YORK UNIVERSITY

PhD:

Abnizova, Anna "Hydrology, Carbon Dynamics and Hydrochemical Properties of Ponds in an Extensive Low Gradient High Arctic Wetland, Polar Bear Pass, Bathurst Island, Nunavut, Canada" (Young, 2013)
 Addie, Jean-Paul "Mobilizing City-Regional Urbanization: The Political Economy of Transportation and the Production of the Metropolis in Chicago and Toronto" (Keil, 2013)
 D'addario, Silvia "Finding Home: Geographical Links between Paid and Unpaid Work for Transnational Care Workers in Toronto's Suburbs" (Preston, 2012)
 McCallum, Judith "Murle Identity in Post-Colonial South Sudan" (Scott, 2013)
 Tan, Serene "Landscape, Home, & Nation: Chinatown Identities in Urban Southeast Asia" (Drummond, 2013)
 Young, Julie "Border City of Refuge: Refugee Advocacy, the Politics of Mobility, and the Reframing of the Windsor-Detroit Border" (Wood, 2012)

Masters (Arts):

Acharya, Asutosh "Peasantry and Development: Revisiting Some Crucial Arguments" (Das, 2012)
 Carey, Jeffrey "To What Extent a 'Green Fix'? AN Analysis of the Canadian Autoworkers' (CAW) Response to the Dual Crises of Global Climate Change and the Great Recession" (Tufts, 2013)
 Chen, Ashley "Placing Children in the Belly of Capitalism: A Historical-Geographical Materialist Investigation" (Das, 2013)
 Choi, Lisa "Suburban Pasts, Imagined: Placing Memories and Imaginaries of Home" (Bain, 2013)
 Kuszczak, Alyssa "Social Sustainability in Educational Spaces: Local, Regional and Provincial Relationships" (Basu, 2013)
 Lepper, Laura "To Fight for Food? Austerity Agendas and the Limits of a Toronto Food Movement Led by Non-Profits" (Wekerle, 2012)
 Mais, Julia "Behind the resume: Influences on the educational and employment trajectories of 1.5 and second generation Filipino-Canadians" (Kelly, 2012)

Masse, Francis "Wildlife, Cattle, and People in the Limpopo National Park: A More-than-human Political Ecology of Conservation-induced Displacement and Resettlement" (Lunstrum and Roth, 2013)

Mitchell, Colleen "Working Within Toronto's Private Houses: Women in Waged Domestic Labour, 1880s to 1920s" (Jenkins, 2013)

Mohamed, Yasmine "Making the Links Between Environmental Justice and Immigration: Intersections Between Housing, Health and Neoliberalism in Toronto's South Riverdale" (Lunstrum, 2012)

Mucci, Tina "Manicuring Landscapes: A Case Study of Vietnamese Owned Nail Salons in Toronto" (Drummond, 2012)

Smith, Kyle "The Limits of Water? Amalgamation and Water Supply System Development in St. John's, Newfoundland, 1980-2012" (Jenkins, 2012)

Todd, Alexander "Responding to Water Insecurity in Durban, South Africa" (Lunstrum, 2013)

Masters (Science):

Ashtine, Masao "The Feasibility of Micro-scale Wind Turbines in Ontario" (Bello, 2013)

QUÉBEC

CONCORDIA UNIVERSITY

Masters (Arts):

Belland, Belinda
Croteau, Dominique
Farrell, Michael
Garland, Jennifer
Glazartor, Catherine
Kafyake, Terri
Lapierre, Allison
Levine, Adam
Marchand, Tina
Milligan, Kimberly
Moorman, Jonathan
Patchell, Jason
Romanelli, Cristina
Sanabria, Liliana
Sulik, Erika
Undina, Thompson

Diploma in Environmental Assessment:

Ghoorbin, Hana
Shaw-Messina, Laanna

Masters (Science):

Feakins, Jonathan "Planning Like It's 2009: The Use And Distribution Of Smartphone Transit Applications In Chicago, Illinois" (Zacharias, 2013)

Lovi, Eric "Geomorphical Assessment Of The Sedimentary Dynamics Of The Sunday River, Quebec" (Biron, 2012)

Mcinnis, Gail "Measuring And Modelling The Dispersal Of Pollen And Spores By Wind" (Greene, 2012)

MCGILL UNIVERSITY

Masters (Arts):

Ames, Julie Anne "Enlightenment philosophies of humans and nature: implications for animal agriculture" (Brown, 2012)

Champa lie, Clara "Impacts of climate variability on Han & ethnic minority livelihoods and the coping strategies they employ, in Yunnan province, People's Republic of China (PRC)" (Turner, 2012)

Rosenberg, Rae "The global lockdown and killable bodies: transgender women in men's correctional facilities in the U.S" (Oswin, 2013)

Sampson, Lorna "Gestational diabetes: the influence of socioeconomic marginalization on diagnostic severity" (Ross, 2013)

Stuart, Justin "A cross-country comparison of the determinants of income inequality," (Breau, 2013)

Willynck, Jean-Paul "Translating Grindr: Gay men's identity to place in a digitalized world" (Oswin, 2013)

Masters (Science):

Doiron, Meghan "Information landscapes in the Peruvian Amazon: an analysis of information exchange networks and rural livelihoods among riverine communities" (Coomes, 2013)

Gray, Heather "Disturbance responses, resiliency, and climate change: a characterization of vegetation succession patterns related to retrogressive thaw slumps on Herschel Island, Yukon Territory, Canada," (Pollard, 2012)

Hasan/Khan, Amina "Potential impacts of climate change ranges of commercial marine species in the northwest Atlantic" (Chmura/Levac, 2013)

Roy-Dufresne, Emilie "An analysis of the ecological niche and dynamic system of the white-footed mouse population (*Peromyscus leucopus*) in Québec; an approach to predict the occurrence of Lyme disease" (Chmura, 2013)

Williams-Jones, Leigh-Ann "Understanding the Arctic's dynamic zone: Pedogenic process, active layer thickening and a changing thermal regime on Herschel Island, Yukon Territory" (Pollard, 2012)

Zhou, Jian "Integration of climate model with digital Earth" (Sieber, 2012)

UNIVERSITÉ DE MONTRÉAL

PhD:

Carrier, Sébastien "Mobilités de travail et (re)construction des rapports sociaux au sein d'une communauté Hmong de Chine (province du Guizhou)" (Foggin 2013)

Cissokho, Robert "Développement d'un indice de vulnérabilité à l'érosion éolienne à partir d'images satellitales, dans le Bassin arachidier du Sénégal: cas de la région de Thiès" (Cavayas, 2012)

Gosselin, Gabriel "L'utilisation de la polarimétrie radar et de la décomposition de Touzi pour la caractérisation et la classification des physiologies végétales des milieux humides: le cas du Lac Saint-Pierre" (Cavayas et Touzi, 2013)

Latombe, Guillaume "Développement d'un modèle centré sur l'individu des déplacements du caribou, du loup et de l'orignal, et de leurs interactions, en forêt boréale aménagée" (Parrott et Fortin, 2013)

Marquis, Geneviève A "Reconsidérer les interactions entre l'écoulement, le transport de sédiments en charge de fond et la morphologie en rivière à lit de graviers: approches, échelles et analyses" (Roy, 2012)

Roy, Mathieu "Habitat variability and the individual variability of juvenile Atlantic salmon (*Salmo salar*)" (Roy et Grant, 2013)

Royer, Marie-Jeanne S. "L'interaction entre les savoirs écologiques traditionnels et les changements climatiques: les Cris de la Baie-James, la bernache du Canada et le caribou des bois" (Herrmann, 2013)

Masters (Science):

Bélanger, Jean "Mise à jour de la Base de Données Topographiques du Québec à l'aide d'images à très haute résolution spatiale et du progiciel Sigma0: le cas des voies de communication" (Cavayas, 2012)

Benyahia, Sefiane "A comparative study of the resilience of coal logistics chains in Australia, South Africa and Canada" (Comtois 2012)

Chaput-Desrochers, Laurence "Caractéristiques des structures turbulentes de l'écoulement et du transport en charge de fond en rivière à lit de graviers lors de la montée d'une crue" (Roy, 2013)

Cuillerier-Serre, Sarah "La destruction créative des paysages: les impacts spatiaux des restructurations économiques globales de l'industrie automobile à Windsor, Ontario" (Martin, 2013)

De Grandpré, Isabelle "Impacts de l'écoulement souterrain sur la dégradation du pergélisol" (Fortier, 2012)

Germain, Marie-Ève "Les représentations sociales et les préoccupations en matière d'environnement chez les jeunes du Sénégal: une étude comparative en milieu urbain chez les jeunes scolarisés de Dakar" (Herrmann et Schwarz, 2012)

Guertin-Pasquier "Alexandre, Reconstitution paléo-écologique et contexte magnéto-stratigraphique de la forêt fossile de l'île Bylot (Nunavut)" (Fortier et Richard, 2012)

Lang, Feng Mei "Suivi des changements des utilisations/occupations du sol en milieu urbain par imagerie satellitale de résolution spatiale moyenne: le cas de la région métropolitaine de Montréal" (Cavayas, 2012)

L'Heureux, Caroline "Connectivité hydrologique et signature géochimique à l'échelle événementielle dans un bassin versant forestier" (Courchesne et Roy, 2012)

Maillet, Gilles "Living and fishing in a marine protected area: balancing traditional fisheries with conservation in Karimunjawa National Park, Indonesia" (De Koninck, 2013)

Masse, Marie-Joëlle "Le rôle des organismes communautaires dans le développement économique local: le cas de Côte-des-Neiges/Notre-Dame-de-Grâce" (Marois, 2012)

Partington, Kevin "Régionalisation et synthèse des patrons de la végétation du Québec: utilisation d'indices de patrons à l'échelle provinciale" (Cardille, 2012)

Tremblay, Michèle "Caractérisation de la dynamique des berges de deux tributaires contrastés du Saint-Laurent: le cas des rivières Batiscan et Saint-François" (Roy 2012)

Turgeon Pelletier "Etienne, La géographie du dollar et la Chine: analyse géoéconomique d'une sédition monétaire" (De Koninck, 2012)

Turgeon, Samuel "Modélisation de l'utilisation de l'habitat du béluga du Saint-Laurent en fonction de ses proies à l'embouchure de la rivière Saguenay et à la baie Sainte-Marguerite" (Parrott, 2012)

GEOGRAPHY PROGRAMS NOT LISTED IN THE *GUIDE*

* *Institutions that award masters degrees*
** *Institutions that award doctoral degrees*

UNITED STATES

ALABAMA

- Alabama A&M University
- Alabama State University
- * Jacksonville State University
- Lawson State Community College
- Samford University
- University of South Alabama

ALASKA

- Ilisagvik College, Alaska
- ** University of Alaska Southeast

ARKANSAS

- Arkansas State University
- * University of Arkansas, Fayetteville
- * University of Central Arkansas

CALIFORNIA

- American River College
- Bakersfield College
- Cabrillo College
- California State University, Dominguez Hills
- * California State University, East Bay
- California State University, Fresno
- * California State University, Fullerton
- * California State University, Long Beach
- ** California State University, Los Angeles
- California State University, San Marcos
- Canada College
- Cerritos College
- Chaffey College
- City College of San Francisco
- College of Alameda
- College of the Desert
- Columbia College
- Contra Costa College
- Cypress College
- De Anza College
- Diablo Valley College
- East Los Angeles College
- Foothill College
- Fresno City College
- Fullerton College
- Glendale Community College
- Grossmont College
- Humboldt State University
- Irvine Valley College
- Laney College
- Las Positas College
- Long Beach City College
- Los Angeles City College
- Los Angeles Pierce College
- Los Angeles Southwest College
- Los Angeles Valley College
- Merritt College
- Miracosta College
- Mission College
- Moreno Valley College
- Mount San Antonio College

- Napa Valley College
- Norco College
- Ohlone Community College
- Orange Coast College
- Pasadena City College
- Rio Hondo College
- Riverside City College
- Saddleback College
- San Bernardino Valley College
- San Diego Mesa College
- San Jose State University
- Santa Ana College
- Santa Monica College
- Santa Rosa Junior College
- Sierra College
- Sonoma State University
- Southwestern College
- University of California, Merced
- University of California, Riverside
- West Hills College, Coalinga
- West Hills College, Lemoore
- West Los Angeles College
- West Valley College

COLORADO

- Colorado Northwestern Community College
- Colorado State University, Pueblo
- Metropolitan State University of Denver

CONNECTICUT

- Manchester Community College
- Southern Connecticut State University

DISTRICT OF COLUMBIA

- ** American University
- Howard University
- University of the District of Columbia

FLORIDA

- Broward College
- Jacksonville University
- Stetson University
- University of North Florida
- ** University of South Florida
- * University of West Florida

GEORGIA

- Central Georgia Technical College
- Fort Valley State University
- Gainesville State College
- * Georgia State University
- University of West Georgia
- Valdosta State University

HAWAII

- * Chaminade University of Honolulu
- Hawaii Pacific University
- University of Hawaii, Hilo

IDAHO

- Brigham Young University, Idaho
- College of Southern Idaho
- College of Western Idaho

ILLINOIS

- * Chicago State University
- ** College of Dupage
- Concordia University at Chicago
- Illinois Central College
- McHenry County College
- Roosevelt University
- Triton College
- Northwestern University
- ** University of Chicago
- * University of Illinois at Chicago
- Waubensee Community College
- William Rainey Harper College

INDIANA

- DePauw University
- * Indiana University – Purdue University
Indianapolis
- Indiana University Southeast
- Taylor University
- Vincennes University

IOWA

- Drake University
- Indian Hills Community College
- St. Ambrose University

KANSAS

- * Fort Hays State University
- Haskell Indian Nations University
- North Central Kansas Technical
College
- Pittsburg State University

KENTUCKY

- Bluegrass Community and Technical
College
- Morehead State University
- * Murray State University
- Northern Kentucky University

LOUISIANA

- Grambling State University
- ** Louisiana State University, Shreveport
- Louisiana Tech University
- McNeese State University
- Nicholls State University
- University of Louisiana, Lafayette
- University of Louisiana at Monroe
- * University of New Orleans

MAINE

- ** University of Maine
- University of Maine at Farmington

MARYLAND

- Anne Arundel Community College
- Bowie State University
- Community College of Baltimore
County
- Coppin State University
- ** Johns Hopkins University
- Montgomery College
- Morgan State University
- ** University of Maryland, College Park

MASSACHUSETTS

- Assumption College
- Bard College at Simon's Rock
- ** Boston University
- Cape Cod Community College

- Fitchburg State University
- Framingham State University
- ** George Perkins Marsh Institute
- Springfield Technical Community
College
- ** University of Massachusetts, Amherst
- * University of Massachusetts, Boston
- Wellesley College
- Westfield State University

MICHIGAN

- Alpena Community College
- Aquinas College
- Ferris State University
- Lake Michigan College
- Lansing Community College
- Muskegon Community College
- University of Michigan, Flint
- Wayne State University

MINNESOTA

- Anoka-Ramsey Community College
- Bemidji State University
- Fond Du Lac Tribal and Community
College
- Itasca Community College
- Minnesota State University, Moorhead
- South Central College
- St. Catherine University
- University of St. Thomas
- Winona State University

MISSISSIPPI

- Hinds Community College
- * Mississippi State University
- Northwest Mississippi Community
College

MISSOURI

- Lincoln University
- * Missouri State University
- * Northwest Missouri State University
- Park University
- St. Charles Community College
- * University of Central Missouri
- ** University of Missouri, Kansas City

MONTANA

- Blackfeet Community College
- ** Montana State University
- Montana State University, Billings

NEBRASKA

- Concordia University, Nebraska
- Wayne State College
- Western Nebraska Community College

NEVADA

- ** University of Nevada, Las Vegas

NEW HAMPSHIRE

- White Mountains Community College

NEW JERSEY

- Kean University
- Montclair State University
- New Jersey City University
- William Patterson University of New
Jersey

NEW MEXICO

- Central New Mexico Community College
- Navajo Technical College
- New Mexico Junior College
- * New Mexico State University
- San Juan College
- Southwestern Indian Polytechnic Institute
- * University of New Mexico

NEW YORK

- Cayuga County Community College
- Colgate University
- Erie Community College, SUNY
- Lehman College, CUNY
- Long Island University, CW Campus
- Niagara County Community College, SUNY
- St. Lawrence University
- SUNY at New Paltz
- SUNY at Plattsburgh
- * SUNY at Stony Brook
- SUNY College at Cortland
- SUNY College at Oneonta

NORTH CAROLINA

- * Appalachian State University
- Elizabeth City State University
- Fayetteville State University
- North Carolina Central University
- ** University of North Carolina at Greensboro
- University of North Carolina at Pembroke
- Western Carolina University

NORTH DAKOTA

- North Dakota State University

OHIO

- Bowling Green State University
- Denison University
- Owens Community College
- * University of Akron
- Wittenberg University
- ** Wright State University
- * Youngstown State University

OKLAHOMA

- Northeastern State University
- Southeastern Oklahoma State University
- University of Central Oklahoma

OREGON

- Southern Oregon University
- Western Oregon University

PENNSYLVANIA

- Bloomsburg University of Pennsylvania
- * California University of Pennsylvania
- Cheyney University of Pennsylvania
- Clarion University of Pennsylvania
- Community College of Philadelphia
- East Stroudsburg University
- Harrisburg Area Community College
- * Indiana University of Pennsylvania
- Lehigh Carbon Community College
- Lock Haven University

- Mansfield University
- Slippery Rock University of Pennsylvania

RHODE ISLAND

- Rhode Island College
- University of Rhode Island

SOUTH CAROLINA

- Coastal Carolina University
- Francis Marion University
- Greenville Technical College

TENNESSEE

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Roane State Community College
- Southwest Tennessee Community College
- Tennessee State University
- ** University of Memphis
- * University of Tennessee at Chattanooga
- University of Tennessee, Martin

TEXAS

- Austin Community College
- * Baylor University
- Blinn College
- Brookhaven College
- College of the Mainland
- Del Mar College
- El Paso Community College
- Houston Community College
- Lee College
- Lone Star College, Cyfair
- Lone Star College, Kingwood
- Lone Star College, Montgomery
- Lone Star College, North Harris
- Lone Star College, Tomball
- Lone Star College, University Park
- Northwest Vista College
- Sam Houston State University
- San Antonio College
- * Stephen F. Austin State University
- Sul Ross State University
- Temple College
- Texas A&M University, Kingsville
- Texas Lutheran University
- Texas Southern University
- Texas State Technical College, Harlingen
- University of Houston, Clear Lake
- University of Texas at Arlington
- University of Texas at Tyler
- University of Texas of the Permian Basin
- Victoria College
- West Texas A&M University
- Wharton County Junior College

UTAH

- Salt Lake Community College
- Snow College

VERMONT

- St. Michael's College

VIRGINIA

- Emory & Henry College
- Radford University

- University of Richmond
- * Virginia Commonwealth University
- ** Virginia Tech

WASHINGTON

- Columbia Basin College
- Everett Community College
- Green River Community College
- Olympic College
- Seattle Pacific University
- Skagit Valley College

WISCONSIN

- Carroll University
- Carthage College
- University of Wisconsin Colleges
- University of Wisconsin, Green Bay
- ** University of Wisconsin, Madison
- University of Wisconsin, Parkside
- University of Wisconsin, Superior

WYOMING

- Casper College

CANADA

ALBERTA

- Athabasca University
- Medicine Hat College
- University of Alberta
- University of Alberta, Augustana Campus

BRITISH COLUMBIA

- * British Columbia Institute of Technology
- Camosun College
- Capilano University
- College of New Caledonia
- College of the Rockies
- Coquitlam College
- Douglas College
- Kwantlen Polytechnic University
- Langara College
- Northern Lights College
- Okanagan College
- Selkirk College
- * Thompson Rivers University
- University of British Columbia, Okanagan
- ** University of Victoria
- Vancouver Island University

MANITOBA

- Brandon University
- University of Winnipeg

NEW BRUNSWICK

- Mount Allison University
- Université de Moncton
- University of New Brunswick

NEWFOUNDLAND

- ** Memorial University of Newfoundland

NOVA SCOTIA

- Nova Scotia Community College
- Saint Mary's University

ONTARIO

- Algonquin College
- * Lakehead University
- Laurentian University
- * Nipissing University
- ** Trent University
- ** University of Toronto, Mississauga
- University of Toronto, Scarborough
- ** University of Western Ontario
- ** University of Windsor

QUEBEC

- Bishop's University
- John Abbott College
- ** Université de Sherbrooke
- Université du Québec a Chicoutimi
- * Université du Québec a Montréal
- * Université du Québec a Rimouski
- * Université du Québec a Trois-Rivières
- ** Université Laval
- Vanier College

SASKATCHEWAN

- ** University of Regina
- ** University of Saskatchewan

LATIN AMERICA

ARGENTINA

- Instituto de Enseñanza Superior del Ejército
- Instituto Superior Antonio Ruiz de Montoya
- Instituto Superior Esteban Adrogué
- Instituto Superior Padre Elizalde
- Sociedad Argentina de Estudios Geográficos
- Universidad Autónoma de Entre Ríos
- Universidad Católica de Santiago del Estero
- Universidad de Morón
- Universidad del Salvador
- Universidad Nacional de Catamarca
- Universidad Nacional de Córdoba
- ** Universidad Nacional de Cuyo
- Universidad Nacional de Formosa
- Universidad Nacional de General San Martin
- Universidad Nacional de La Pampa
- Universidad Nacional de la Patagonia Austral
- Universidad Nacional de la Patagonia San Juan Bosco
- ** Universidad Nacional de La Plata
- Universidad Nacional de La Rioja
- Universidad Nacional de Luján
- Universidad Nacional de Río Cuarto
- Universidad Nacional de San Juan
- Universidad Nacional de Tres de Febrero
- * Universidad Nacional Del Centro de la Provincia de Buenos Aires
- Universidad Nacional del Comahue
- Universidad Nacional del Litoral
- ** Universidad Nacional del Nordeste
- Universidad Nacional del Sur

BELIZE

- Galen University

BOLIVIA

- * Escuela Militar de Ingeniería

BRAZIL

- Instituto Brasileiro de Geografia e Estatística
- Instituto Federal de Educação Ciência e Tecnologia de Pernambuco
- Instituto Federal de Minas Gerais, Ouro Preto
- Instituto Histórico, Geográfico e Antropológico do Ceará
- * Pontifícia Universidade Católica de Campinas
- ** Pontifícia Universidade Católica de Minas Gerais
- * Pontifícia Universidade Católica do Rio de Janeiro
- Pontifícia Universidade Católica de São Paulo
- Pontifícia Universidade Católica do Rio Grande do Sul
- Sociedade Cearense de Geografia e História
- ** Universidad Federal do Ceara
- Universidade Católica do Salvador
- ** Universidade Católica Dom Bosco
- Universidade de Santa Cruz Do Sul
- Universidade de São Marcos
- ** Universidade de São Paulo
- Universidade do Amazonas
- Universidade do Estado de Mato Grosso, Cáceres
- Universidade do Estado do Amazonas
- Universidade Estadual da Paraíba
- ** Universidade Estadual de Campinas
- * Universidade Estadual de Feira de Santana
- Universidade Estadual de Goiás
- ** Universidade Estadual de Maringá
- * Universidade Estadual de Ponta Grossa
- * Universidade Estadual do Centro, Oeste
- ** Universidade Estadual do Oeste do Paraná, Francisco Beltrão
- Universidade Estadual do Oeste do Paraná, Marechal Rondon
- Universidade Estadual Do Sudoeste da Bahia
- ** Universidade Estadual Paulista, Campus de Presidente Prudente
- Universidade Estadual Paulista, Campus de Rio Claro
- Universidade Estadual Vale Do Acaraú
- Universidade Estadual de Roraima
- ** Universidade Federal da Bahia
- * Universidade Federal da Paraíba
- Universidade Federal de Alagoas
- * Universidade Federal de Goiás, Campus Jataí
- Universidade Federal de Mato Grosso
- Universidade Federal de Pelotas
- * Universidade Federal de Rondônia
- Universidade Federal de Roraima
- Universidade Federal de Santa Catarina
- * Universidade Federal de Santa Maria
- Universidade Federal de Sergipe
- Universidade Federal de Viçosa
- Universidade Federal do Acre
- Universidade Federal do Amazonas
- Universidade Federal do Espírito Santo
- * Universidade Federal Do Pará
- ** Universidade Federal do Paraná
- ** Universidade Federal do Rio Grande
- ** Universidade Federal do Rio Grande do Norte

- ** Universidade Federal do Rio Grande do Sul
- Universidade Federal do Triângulo Mineiro
- ** Universidade Federal Fluminense
- Universidade Federal Rural de Rio de Janeiro
- Universidade Gama Filho
- Universidade Salgado de Oliveira, Campus Belo Horizonte
- Universidade Salgado de Oliveira, Campus Niterói

CHILE

- Universidad Austral de Chile
- Universidad Bolivariana
- Universidad Católica Cardenal Raúl Silva Henríquez
- Universidad de Bio Bio
- * Universidad de Concepción
- * Universidad de Playa Ancha
- Universidad Metropolitana de Ciencias de la Educación
- Universidad San Sebastian

COLUMBIA

- * Instituto Geográfico Agustín Codazzi
- Pontificia Universidad de Colombia
- Universidad de Caldas
- Universidad de Ciencias Aplicadas y Ambientales
- Universidad de Nariño
- Universidad del Cauca

DOMINICAN REPUBLIC

- Pontificia Universidad Católica Madre y Maestra
- Universidad Autónoma de Santo Domingo

ECUADOR

- Universidad del Azuay
- Universidad San Francisco de Quito

EL SALVADOR

- Universidad del Salvador

HONDURAS

- Universidad Autónoma de Honduras
- Universidad Pedagógica Nacional Francisco Morazán

MEXICO

- ** Benemérita Universidad Autónoma de Puebla
- Sociedad Mexicana de Geografía y Estadística
- Universidad Autónoma de Guerrero
- Universidad Autónoma de Querétaro
- Universidad Autónoma Metropolitana
- Universidad Veracruzana

PERU

- Instituto Geofísico del Perú
- Instituto Geográfico Nacional Peruano
- Universidad Nacional Federico Villarreal
- Universidad Peruana de Ciencias Aplicadas

PUERTO RICO

- Universidad Interamericana de Puerto Rico, Ponce Campus

URUGUAY

- * Universidad de la República

VENEZUELA

Instituto de Geografía y Desarrollo Regional
Instituto Geográfico de Venezuela Simón Bolívar

- * Universidad de los Andes, Mérida
- Universidad de Venezuela
- Universidad Pedagógica Experimental Libertador

Geography Degrees Conferred in the United States 1947-1948 to 2011-2012

	BA/BS			MA/MS			PhD		
	M	F	Total	M	F	Total	M	F	Total
1947-1948	223	134	357	113	44	157	15	2	17
1948-1949	361	150	511	108	30	138	23	5	28
1949-1950	611	146	757	150	53	203	36	4	40
1950-1951	583	121	704	194	32	226	46	2	48
1951-1952	552	117	669	159	35	194	36	1	37
1952-1953	533	114	647	158	27	185	36	3	39
1953-1954	589	119	708	155	25	141	49	2	51
1954-1955	496	130	626	116	25	141	44	4	48
1955-1956	534	117	651	129	32	161	43	3	46
1956-1957	574	125	699	156	26	182	45	2	47
1957-1958	730	119	849	156	28	184	47	9	56
1958-1959	775	128	903	152	29	181	43	8	51
1959-1960	858	115	972	177	29	206	64	4	68
1960-1961	789	150	939	165	28	193	47	3	50
1961-1962	910	157	1,067	212	30	242	54	4	58
1962-1963	958	164	1,122	234	40	274	57	4	61
1963-1964	1,061	235	1,296	246	60	306	62	5	67
1964-1965	1,306	291	1,597	307	48	355	65	5	70
1965-1966	1,529	405	1,934	309	61	370	52	6	58
1966-1967	1,726	437	2,163	396	67	463	75	4	79
1967-1968	2,051	573	2,624	461	88	549	94	2	96
1968-1969	2,616	722	3,338	468	95	563	120	4	124
1969-1970	2,945	802	3,747	524	113	637	140	5	145
1970-1971	3,298	869	4,167	528	121	649	147	17	164
1971-1972	3,416	910	4,326	672	114	786	191	12	203
1972-1973	3,280	928	4,208	667	142	809	211	16	227
1973-1974	3,285	946	4,231	618	145	763	199	18	217
1974-1975	3,051	899	3,950	589	132	721	199	13	212
1975-1976	2,780	953	3,733	489	176	665	147	21	168
1976-1977	2,600	994	3,594	502	188	690	136	25	161
1977-1978	2,683	1,036	3,719	492	156	648	128	30	158
1978-1979	2,516	1,061	3,577	444	177	621	114	22	136
1979-1980	2,344	1,099	3,443	422	157	579	119	19	138
1980-1981	2,184	1,089	3,273	410	152	562	95	24	119
1981-1982	2,366	1,079	3,445	393	160	553	101	22	123
1982-1983	2,234	1,107	3,341	383	190	573	88	36	124
1983-1984	2,175	1,020	3,195	406	177	583	95	25	120
1984-1985	2,100	1,000	3,100	380	182	562	103	31	134
1985-1986	2,129	927	3,056	352	212	564	90	41	131
1986-1987	2,124	931	3,055	360	194	554	100	31	131
1987-1988	2,048	900	2,948	362	210	572	99	36	135
1988-1989	2,116	897	3,013	369	179	548	94	27	121
1989-1990	2,229	981	3,210	350	205	555	109	37	146
1990-1991	2,282	1,115	3,397	413	209	622	82	37	119
1991-1992	2,627	1,224	3,851	419	223	642	90	32	122
1992-1993	2,752	1,399	4,151	423	223	646	105	45	150
1993-1994	3,011	1,438	4,449	481	242	723	105	36	141

	BA/BS			MA/MS			PhD		
	M	F	Total	M	F	Total	M	F	Total
1994-1995	2,930	1,365	4,295	524	283	807	109	43	152
1995-1996	2,746	1,399	4,145	473	283	756	129	44	173
1996-1997	2,759	1,399	4,128	461	296	757	103	51	154
1997-1998	2,721	1,414	4,135	479	277	756	116	56	172
1998-1999	2,665	1,416	4,081	490	270	760	105	54	159
1999-2000	2,518	1,433	3,951	456	301	757	134	66	200
2000-2001	2,525	1,456	3,981	439	287	726	130	71	201
2001-2002	2,472	1,453	3,925	447	296	743	138	67	205
2002-2003	2,490	1,490	3,980	453	331	784	114	62	176
2003-2004	2,858	1,706	4,564	468	314	782	115	91	206
2004-2005	2,882	1,673	4,555	550	394	944	137	74	211
2005-2006	2,813	1,471	4,284	534	372	906	135	87	222
2006-2007	2,972	1,580	4,552	520	373	893	121	90	211
2007-2008	2,798	1,522	4,320	499	383	882	153	104	257
2008-2009	2,951	1,526	4,477	528	364	892	139	80	219
2009-2010	2,928	1,583	4,511	534	368	902	141	98	239
2010-2011	3,010	1,587	4,597	482	360	842	133	105	238
2011-2012	3,136	1,671	4,807	538	391	929	168	107	275

Source: The Integrated Postsecondary Education Data System of the National Center for Education Statistics.

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