Guide to Geography Programs in the Americas

2016-2017
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ABOUT THE AMERICAN ASSOCIATION OF GEOGRAPHERS

The Association
The American Association of 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 11,829 at the end of 2016. 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 American Association of Geographers* (bimonthly)
- *The Professional Geographer* (quarterly)
- *The AAG Review of Books* (quarterly)
- *GeoHumanities* (biannually)
- 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 additional cost) in up to six specialty groups.

Annual Meetings
In recent years, over 9,000 individuals have attended AAG annual meetings, which are held in March or April. Delegates read papers, give poster presentations and participate in field trips, panels, symposia and workshops. Future meetings are scheduled for New Orleans (2018), Washington, DC (2019) and Denver (2020).

Publications
- *The Annals of the American Association of Geographers* (bimonthly) contain 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* (quarterly) 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* (biannually) is the newest journal of the AAG, launched in 2015, and features articles that span conceptual and methodological debates in geography and the humanities; critical reflections on analog and digital artistic productions; and new scholarly interactions occurring at the intersections of geography and multiple humanities disciplines.

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 an account, store resumes, set up 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 around the world.

Information on AAG membership and Annual Meetings may be obtained from the American Association of 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 2016-2017 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 2016-2017 Guide lists a total of 282 academic institutions in the United States, Canada and Latin America. The volume contains information on 260 programs that offer bachelor’s degrees in geography, 104 programs that offer master’s degrees and 105 programs known to offer doctorates 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 304. It provides a permanent record of graduate research in geography.

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 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, 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. 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 Geosciences

Date Founded: 1999

Degrees offered: B.A. in Geography; B.S. in Geology; M.S. in Geography; M.S. in Geology; Accelerated B.A./M.S. in Geography

Granted 9/1/15-8/15/16: 9 BA Geography; 8 BS Geology; 5 MS Geography; 6 MS Geology

Majors: 40 Undergrad Geography; 95 Undergrad Geology; 7 Graduate Geography; 21 Graduate Geology

Chair: Mark Steltenpohl

Program Administrative Asst: Audrey Hollis

For Catalog and Further Information Write To: Department of Geosciences, 210 Petrie Hall, Auburn University, Auburn, Alabama 36849. Telephone (334) 844-4074. Fax (334) 844-3409. E-mail: steltmg@auburn.edu

Internet: http://auburn.edu/academic/cosam/departments/geosciences/index.htm

Programs and Research Facilities: The Department of Geosciences at Auburn University offers both graduate and undergraduate majors in Geography the opportunity to join faculty in their research in geospatial analysis, human geography, environmental management, hazards, geomorphology, water resources, biogeochemistry, and climatology. The Department of Geosciences offers an interdisciplinary program that requires coursework in geography and other natural sciences. The programs leading to the M.S. and Ph.D. degrees in Environmental Science 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 courses in 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.

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 courses in 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 B.A./M.S. 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 Bachelors 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.

Faculty:

Carmen Brysch, Ph.D., Texas State University, 2014, Lecturer — geography education
Christopher Burton, Ph.D., University of South Carolina, 2012, Assistant Professor — GIS modeling of climate change related hazards both from a physical risk and vulnerability perspective
Philip L. Chaney, Ph.D., Louisiana State University, 1999, Associate Professor — water resources, natural hazards, coastal geography
Lake Marzen, Ph.D., Kansas State University, 2001, Professor — remote sensing, GIS, human and environmental interface, biogeography, land use change
Chandana Mitra, Ph.D., University of Georgia, 2011, Assistant Professor — climatology, urban climate, geospatial techniques, climate modeling

Adam Payne, Ph.D., Oklahoma State University 2015, Lecturer — gentrification and commodification, place promotion, heritage tourism, urban morphology

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

University of Alabama

Department of Geography

Date Founded: 1903

Graduate Program Founded: 1963

Degrees offered: B.A., B.S., M.S., Ph.D. in Geography, B.S. in Environmental Science

Granted 6/1/16-5/31/17: 51 Bachelors, 11 Masters

Students in Residence: 172 Majors, 31 Masters

Not in Residence: 2 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, 204 Farrah Hall, University of Alabama, Tuscaloosa, Alabama 35487-0322. Telephone (205) 348-5047. Fax (205) 348-2278. E-mail: hart013@bama.ua.edu. Internet: http://geography.ua.edu

Programs: The curricula supporting the B.A. and B.S. degrees in Geography are designed to prepare students in the fields of applied geography, biogeography, climatology, geomorphology, and the environmental analysis, human-environment interactions, and planning. The B.S. in Environmental Science, which has an optional concentration in Natural Resources and Ecosystem Conservation, is an interdisciplinary program that requires coursework in geography and other natural sciences. The programs leading to the M.S. and Ph.D. degrees in Geography are designed to prepare students in the fields of biogeography, climatology, geomorphology, and the environmental analysis, human-environment interactions, and hydrology. The graduate programs emphasize the application of geospatial analysis to understanding the complexities of socio-environmental systems, biogeochemical processes, environmental sustainability, and the emerging risks that environmental change and degradation pose to society.
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 applied research in forest disturbance, forest development and succession, silviculture, and ecological plant geography. The Surface Dynamics Modeling Lab strives to improve scientific understanding of planetary surface processes and dynamics through design and utilization of state-of-the-science numerical models. The Dendrochronology Research Laboratory focuses on using tree rings to study past climate.

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 receives 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 350,000 maps and 75,000 aerial photographs. In addition to providing public reference service, the Map Library functions as a research unit.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: A complete application to the graduate program requires transcripts from all universities or colleges attended, official GRE scores, at least three letters of reference, a statement of purpose, and an endorsement from a member of the UA graduate faculty. No students are admitted without consent of a potential advisor. An applicant to the M.S. program is normally required to have a bachelor's degree in geography, environmental science, or a related discipline. Applicants with degrees in disciplines other than geography or with background deficiencies may be required to complete certain undergraduate requirements. An applicant to the Ph.D. program is normally required to have a master's degree; however, an applicant with exceptional credentials may be admitted directly into the Ph.D. program. Minimum admission requirements are a 300 combined score on the GRE and a 3.0 GPA on a 4.0 scale. Successful applicants to the Ph.D. program are normally expected to have a GPA and GRE scores above the average of our M.S. students (3.5 GPA and 310 GRE).

M.S. in Geography, Thesis Option. This option requires a total of 30 credit hours including 6 hours of program requirements and 6 hours of thesis research. A minimum of 12 credit hours must be taken from courses in one of the areas of concentration including earth system science; environment and natural resources; environment and society; or geographical information techniques. The remaining 9 credit hours may consist of courses from any of the other three areas of concentration; related courses in other disciplines with departmental approval (up to 6 of the 10 credit hours); and/or experiential learning courses (up to 3 of the 10 credit hours). The non-thesis option is only available with consent of the academic advisor and graduate program director.

Doctor of Philosophy. The Ph.D. program requires a minimum of 48 hours of coursework beyond the baccalaureate degree (that may include up to 24 credit hours of approved graduate-level coursework transferred from a master's program and a maximum of 12 hours of non-thesis or non-dissertation research), 24 hours of dissertation research, and a dissertation. A dissertation committee should be established by the end of the first semester of residence and a dissertation project should be established by the end of the third semester of residence. Each Ph.D. candidate must pass a candidacy examination, submit and successfully defend a dissertation proposal, and pass an oral dissertation defense.

Fellowships and teaching and research assistantships ranging from $14,000 to $15,000 for the academic year are regularly granted on a competitive basis. Merit- and diversity-based awards of up to $6,000 for the academic year are also available for qualified students. The department awards two cartographic assistantships through the Cartographic Research Laboratory, a GIS assistantship through the GIS and Remote Sensing Laboratory, and 16–18 Graduate Teaching Assistantships. Most assistantships include full tuition waivers and a health insurance supplement.

FULL-TIME FACULTY:

- Seth Appiah-Opoku, Ph.D., Waterloo, 1997, Professor — urban and regional planning, environmental impact assessment, indigenous knowledge systems, ecotourism and international development
- Bennett L. Bearden, J.S.D., Pacific, 2011, Research Professor and Director, Water Policy and Law Institute — water resources, policy, management
- Sugu Cohen, Ph.D., Newcastle, 2010, Associate Professor — GIS, numerical modeling, geomorphology
- M. A. Lisa Davis, Ph.D., Tennessee, 2005 Associate Professor — geomorphology, fluvial
- Steven P. Ericson, Ph.D., Oklahoma State, 2014, Instructor — cultural, GIS, sports, urban
- Luoheng Han, Ph.D., Nebraska, 1994, Professor and Associate Dean — remote sensing, GIS, water quality
- Justin L. Hart, Ph.D., Tennessee, 2007, Associate Professor, Director of Graduate Studies and Director of the Environmental Science Program — biogeography, vegetation dynamics, natural resources management
- David J. Keelings, Ph.D., Florida, 2015, Assistant Professor — climatology, weather hazards, medical geography, quantitative methods
- Matthew C. LaFever, Ph.D., Texas, 2014, Assistant Professor — water management, agro-ecology, conservation, Latin America, GIS
- Nicholas Magliocca, Ph.D., Maryland, 2012, Assistant Professor — human-environment interactions, agent-based modeling, land use change
- Mary W. Pitts, M.S., London, 1989, Instructor and Director of Undergraduate Studies — natural hazards, environmental site assessment, and water resources
- Sarah Praskevicz, Ph.D., Oregon, 2014, Assistant Professor — water resources, climate change, hydrology
- Jeffrey P. Ritchett, 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, Associate Professor — severe weather hazards, climatology
- Douglas J. Sherman, Ph.D., Toronto, 1983, Professor and Chair — geomorphology, coastal, aeolian
- Michael K. Steinberg, Ph.D., Louisiana State, 1999, Associate Professor — cultural ecology, biogeography, endangered species
EMERITI FACULTY
C. Hobson Bryan, Ph.D., Louisiana State, 1968, Professor — environmental analysis, social impact assessment, resource management, recreation
David Shankman, Ph.D., Colorado, 1986, Professor — biogeography, bioclimatology, environmental conservation and planning
Bobby M. Wilson, Ph.D., Clark, 1974, Professor — urban geography, social geography, North America

ADJUNCT FACULTY:
Craig Remington, M.S., Florida State, 1981, Cartographic Lab Supervisor — traditional and computer cartography, world regional
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. in Geography; B.A., B.S. in Geographic Information Science; and M.S. in Geospatial Science
GRANTED 9/1/16-7/31/17: 16 Bachelors, 3 Masters
MAJORS: 120
CHAIR: Francis T. Koti
DEPARTMENT ADMINISTRATIVE ASST: Pam Bishop
GRADUATE PROGRAM COORDINATOR: David Brommer (256) 765-6307

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Francis T. Koti, Department of Geography, University of North Alabama, Florence, AL 35632-0001. Telephone (256) 765-4219, Fax (256) 765-4141. E-mail: ftkoti@una.edu, Internet: www.una.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The department offers two undergraduate major programs: Geography and Geographic Information Science. The major in Geographic Information Science is directed towards careers in applied geography and requires advanced courses in remote sensing and Geographic Information Systems, as well as in statistics, computer science, and computer information systems. The Geography major is for students interested in careers in government, business and industry, and geographic education. The department supports internships and co-op experience in urban and regional planning, GIS, public utilities, and environmental management. The department also offers an M.S. in Geospatial Science. The department houses the Freddie Wood Geographic Research Center, which has 36 computers dedicated to undergraduate GIS, remote sensing, and GPS applications, as well as a separate computer lab for graduate students. 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 Aid 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 — biogeography, physical geography, climatology, cartography, GIS, applied geospatial analysis, South
Gregory G. Gaston, Ph.D., Oregon State University, 1993, Professor – geomorphology, physical geography, remote sensing, climatology, GIS
Francis T. Koti, Ph.D., West Virginia University, 2004, Professor — urban geography, urban and regional planning, GIS, Africa
Lisa Keys-Mathews, Ph.D., University of Memphis, 2007, Professor — environmental hazards, GIS, remote sensing, cartography
Mario A. Mighty, Ph.D., University of Florida, 2014, Assistant Professor — agriculture, GIS, economic development, sustainability, Caribbean
Michael Pretes, Ph.D., Australian National University, 2006, Professor — geopolitics, historical geography, public lands, tourism, Australia, Pacific, Arctic, western North America
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

EMERITI FACULTY:
Gary M. Green, M.A., University of Georgia, 1976
Priscilla Holland, Ed.D., University of Alabama, 1997
William R. Strong, Ph.D., University of Texas, 1979

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
GRANTED 9/1/2015-8/31/2016: 173 Bachelors, 56 Masters, 7 Ph.D.s
STUDENTS IN RESIDENCE (Spring 2017): 758
Undergraduate (with 439 online), 76 Masters, 46 Ph.D.
DIRECTOR: Trisalyn Nelson

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 five 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.), a professional Master of Advanced Study (MAS) degrees in Geographic Information Systems (MAS/GIS) and Ph.D. in Planning.

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 M.A. and Ph.D. degrees in Geography 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.

The Ph.D. in Planning focuses on four broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning: Community Development for Social Equity; Spatial and Economic Analysis; Transportation Planning and Policy; and Urban Design and Sustainable Cities.

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 GeoDu 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 MA: 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. Geography - 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; for PhD Urban Planning – Master’s or graduate degree in urban studies, geography, environmental studies, sustainability, architecture, public policy or public administration with a B average at the graduate level. GRE scores are required and used in determining admittance into programs. The Test of English as a Foreign Language (TOEFL) required for applicants whose native language is not English; an applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Teaching assistantships, university scholarships, and other awards are available. Teaching and Research assistantship stipends range from $15,000 to $21,000 for the academic year. Graduate Associates (doctoral students) receive waivers of all out-of-state and in-state tuition, and health benefits. Graduate Assistants (master’s students) may receive partial tuition waivers and health benefits based on availability of funding.

FACULTY:
Luc Anselin, Ph.D., Cornell, 1980, Research Professor — geographic information science, spatial econometrics, regional science
Robert C. Balling Jr., Ph.D., Oklahoma, 1979, Professor — climatology, climate change, physical climatology, spatial statistics
Randall S. Cerveny, Ph.D., Nebraska, 1986, President’s Professor — dynamic and synoptic meteorology, global climate modeling
Netra Chhetri, Ph.D., Pennsylvania State, 2007, Associate Professor — land uses & cover, human dimensions of global climate change, water resources, political ecology of resources
Stephanie Detrick, Assistant Clinical Professor and MAS Program Director — cartography, visualization, GIS
Ronald I. Dorn, Ph.D., UCLA, 1985, Professor — desert, hill slope, and quaternary geomorphology, dating methods, remote sensing
Megan Ehlenz, Ph.D., University of Pennsylvania, 2015, Assistant Professor — community development, anchor institutions, urban revitalization, community wealth building, shared equity models
Stewart E. Fotheringham, Ph.D., McMaster University, Canada, 1980, Professor — collection, visualization and analysis of spatial data, including but not limited to: Spatial statistics; geographic information science; spatial interaction modeling; health geography; transportation; migration analysis; house price analysis, retail geography and crime pattern analysis
Ryan Frazier, Ph.D., University of British Columbia, 2016, Lecturer — spatial analysis, vegetation mapping, geoinformation, spatial statistics and satellite image processing, Landsat, pythonista
Matei Georgescu, Ph.D., Rutgers University, 2008, Associate Professor — modeling; climate change; land-atmosphere interactions; environmental impacts of bioenergy expansion; urbanization effects on weather and climate; modeling and simulation; scientific computing; land use change
Patricia Gober, Ph.D., Ohio State, 1975, Research Professor — population, housing demography, urban, migration
Bjoern Hagan, Ph.D., Arizona State University, 2013, Assistant Research Professor — environmental risk perception and communication, mitigation and adaptation policies and strategies for global climate change, sustainable urban planning
David Honda, Ph.D., University of Virginia, 2013, Assistant Professor — environmental hazards; environmental health; informatics; climate change and variability; urban climate; climate adaptation
Jason Kelley, Ph.D., Arizona State University, 2013, Lecturer — urban transportation planning, environmental justice, sustainable urban planning and design
Joochul Kim, Ph.D., Michigan, 1979, Associate Professor — community planning, economic development planning, housing and international planning
King, Ph.D., University of California Los Angeles, 2008, Assistant Professor — codependence of transportation and land use planning, and transportation finance and economics, including parking policy, taxi services, micro-transit, and urban freight, and how these policies interact with land use planning
Michael Kuby, Ph.D., Boston, 1988, Professor — transportation, energy, optimal facility location and network analysis models, alternative fuels/infrastructure/driver behavior, light rail, transportation and land use, bicycle, megaregions, carbon capture and storage
Kelli L. Larson, Ph.D., Oregon State at Corvallis, 2004, Associate Professor — Water resource geography and governance; human dimensions of sustainability; risk perceptions, policy preferences, and human ecological behavior
Elizabeth Larson, Ph.D., Wisconsin, Milwaukee, 1991, Lecturer — peace studies, human rights, and refugee studies
Wei Li, Ph.D., Southern California, 1997, Professor — race and urban ethnicity, housing, ethnic finance, highly-skilled international migration

Wenwen Li, Ph.D., George Mason University, 2010, Associate Professor — Geographic information science, geospatial cyberinfrastructure, semantic interoperability

Kevin E. McHugh, Ph.D., Illinois, 1984, Associate Professor — geographical thought and theory, cultural geographies, phenomenology and posthuman geographies, senses and the city

Sara Meier, Ph.D., University of Michigan, 2017, Assistant Professor — urban resilience, green infrastructure planning, climate change adaptation, urban climate change governance; electricity infrastructure planning; coastal megacities

Breandan O hUallacháin, Ph.D., Illinois, 1982, Professor — geography and systems, nuclear power

Soe W. Myint, Ph.D., Louisiana State, 2001, Professor — migration

Ariane Middel, Ph.D., University of Kaiserslautern, 2008, Assistant Professor — environmental science and systems

Robert Parker, Ph.D., Arizona State University, 2008, Assistant Research Professor — decision science, decision support systems, high-performance computing, geographic information systems

Nathan Parker, Ph.D., University of California, Davis, 2011, Assistant Research Professor — transportation and energy, alternative fuels, biofuels, energy transitions, spatial simulation of future of transportation energy supplies, transportation energy policy

Deirdre Pfeiffer, Ph.D., UCLA, 2011, Associate 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

Erinah Soffell, Ph.D., Arizona State University, 2004, Lecturer — hydroclimatology; systems of risk, vulnerability, resilience associated with extreme weather and climate events

Ian Walker, Ph.D., University of Guelph, 2000, Professor — Sediment transport and erosion, aeolian (windblown) geomorphology, coastal geomorphology, environmental fluid dynamics, sand dune ecosystems and restoration, beach-dune morphodynamics, Holocene landscape evolution

Scott Warren, Ph.D., Arizona State University, 2014, Lecturer — cultural and historical geography, American West, Southwest, U.S.-Mexico borderlands

Douglas Webster Ph.D., 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, Dean of Social Sciences, Professor — GIS, spatial analysis, environmental, urban remote sensing

Susanna Werth, Ph.D., University of Potsdam, Assistant Research Professor — Earth’s gravity field, hydrology, remote sensing, modeling, signal processing, climate change

ACADEMIC PROFESSIONALS:

Gale Olp Ekiss, M.Ed., Arizona State University, 1982, Coordinator, Arizona Geographic Alliance — geography education

Ayan Mitra, M.S., Arizona State University, 2007, Assistant Research Professional — GIS applications and database development

Barbara Trapido-Lurie, M.A., Hawaii, 1987, Senior Research Professional — cartography

AFFILIATED FACULTY:

Ambika P. Adhikari, Ph.D., Doctor of Design, Harvard University, 1990, Research Professor — urban sustainability, international environmental policy, clean energy program development and deployment in developing countries, climate change policy and urban planning

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 — urban environments, urban sustainability, environmental justice

Brittany Crow-Miller, Ph.D., UCLA, 2013, Assistant Professor — Human geography, sustainability, development, socio-technical/techno-political systems, hydropolitics, water resource management, infrastructure, political ecology, water-energy-food nexus, inter-basin water transfers

Hallie C. Eakin, Ph.D., University of Arizona, 2002, Associate Professor — vulnerability, adaptation, global change, globalization, Latin America, Mexico, food systems, agrarian change

Anthony Grubesic, Ph.D., The Ohio State University, 2000, Professor — GIS science, transportation, urban health, crime, regional development, enviroinformatics, public policy evaluation and spatial statistical methods

Kevin Robert Gurney, Ph.D., University of Michigan, 2002, Associate Professor — political ecology, urban environments, urban sustainability, environmental justice

Jianguo (Jingle) Wu, Ph.D., University of Michigan, 2003, Research Professor — GIScience, transportation, urban health, crime, regional development, enviroinformatics, public policy evaluation and spatial statistical methods

Kevin Robert Gurney, Ph.D., University of Michigan, 2002, Associate Professor — Southwestern borderlands development planning, economic development planning, urban health disparities, environmental vulnerability

Michael E. Smith, Ph.D., University of Illinois at Urbana-Champaign, 1983, Professor — Archaeology; premodern urbanism; comparative urbanism; comparative inequality; historical social science; Aztec society; Mesoamerican archaeology

Jianguo (Jingle) Wu, Ph.D., University of Michigan, 1991, Professor — Landscape ecology, urban ecology, and sustainability science

Nancy Selover, Ph.D., Arizona State, 2005, Research Professor and Arizona State Climatologist — urban climatology, evaporation, drought, micro-climate field research

J. Duncan Shueffer, Ph.D., Arizona State, 2001, Senior Lecturer — world regional and cultural geography

Nancy Selover, Ph.D., Arizona State, 2005, Research Professor and Arizona State Climatologist — urban climatology, evaporation, drought, micro-climate field research

Duong Tong, Ph.D., The Ohio State University, 2007, Associate Professor — GIS, spatial statistical modeling, spatial uncertainties and big data analytics, with applicants including transportation, urban activity dynamics and public health

B. L. Turner II, Ph.D., Wisconsin, Madison, 1974, Gilbert F. White Professor — Environment and Society — human-environment relationships, land change science, sustainability, tropical forests, ancient Maya

B. L. Turner II, Ph.D., Wisconsin, Madison, 1974, Gilbert F. White Professor — Environment and Society — human-environment relationships, land change science, sustainability, tropical forests, ancient Maya

Christopher Boone, Ph.D., Toronto, 1994, Professor — urbanization, urban environments, urban sustainability, environmental justice

Brittany Crow-Miller, Ph.D., UCLA, 2013, Assistant Professor — Human geography, sustainability, development, socio-technical/techno-political systems, hydropolitics, water resource management, infrastructure, political ecology, water-energy-food nexus, inter-basin water transfers

Hallie C. Eakin, Ph.D., University of Arizona, 2002, Associate Professor — vulnerability, adaptation, global change, globalization, Latin America, Mexico, food systems, agrarian change

Anthony Grubesic, Ph.D., The Ohio State University, 2000, Professor — GIS science, transportation, urban health, crime, regional development, enviroinformatics, public policy evaluation and spatial statistical methods

Kevin Robert Gurney, Ph.D., University of Michigan, 2002, Associate Professor — Southwestern borderlands development planning, economic development planning, urban health disparities, environmental vulnerability

Michael E. Smith, Ph.D., University of Illinois at Urbana-Champaign, 1983, Professor — Archaeology; premodern urbanism; comparative urbanism; comparative inequality; historical social science; Aztec society; Mesoamerican archaeology

Jianguo (Jingle) Wu, Ph.D., University of Michigan, 1991, Professor — Landscape ecology, urban ecology, and sustainability science
EMERITUS FACULTY:
Frank T. Aldrich, Ph.D., Oregon State, 1972, Professor — GIS, cartography/computer graphics, field methodology, remote sensing
Daniel D. Arreola, Ph.D., UCLA, 1980, Professor — cultural, landscapes, Mexican-American borderlands
Elizabeth K. Barns, 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
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
Hemalata C. Dandekar, Ph.D. UCLA, 1978, Professor — Urban and Regional Planning
Patricia L. Fall, Ph.D. University of Arizona, 1988 — biogeography, human impact on ancient and modern environments
William L. Graf, Ph.D., Wisconsin, 1974, Regents Professor — fluvial, public land policy, arid lands
W. Donald McGaugh, Ph.D., Australian National, 1963, Professor — underdeveloped nations, urban, Southeast Asia
Robert C. Mings, Ph.D., Ohio State, 1966, Professor — recreational, tourism, economic, social
Guido G. Weigend, Ph.D., Chicago, 1949, Professor — political, Europe, Soviet Union, Southern Africa
Ruth A. Yabes, Ph.D., Cornell University, 1990, Professor — Participation, community development, international planning, planning pedagogy

ADJUNCT FACULTY:
Janet Franklin, Ph.D., University of California, Santa Barbara, 1988 — landscape ecology, biogeography, remote sensing, geographic information science — 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
Sergio J. Rey, Ph.D., University of California, Santa Barbara, 1994 — open source geocomputation, spatial econometrics, economic geography, regional science
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
FOUNDED: 1966

DEGREES OFFERED: A.A. with concentration in Geography; A.A.S. in Applications in Geospatial Technologies

CERTIFICATES OFFERED: Information Systems Technician, Sustainability, Global Citizenship

FOR FURTHER INFORMATION WRITE TO:
Dr. Erinanne 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: https://mesacc.edu/departments/cultural-science/geography

COURSES OFFERED:

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
Niccole Villa Cerveny, Ph.D., Arizona State University, 2005 — physical geography, geomorphology
Michelle Paluch-Stewart, M.A.G., Texas State University, 2001 — urban and regional geography, community development, international planning, planning pedagogy

NORTHERN ARIZONA UNIVERSITY

DEPARTMENT OF GEOGRAPHY, PLANNING, AND RECREATION
DATE FOUNDED: 1967
GRADUATE PROGRAM FOUNDED: 1990

DEGREES OFFERED: B.S. in Geographic Sciences and Community Planning; B.S. in Public 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 6/1/11-5/13/17: 69 Geographic Science and Planning, 289 Recreation, 55 Masters, 63 Masters Certificates

STUDENTS IN RESIDENCE: 61 Geographic Science and Planning, 406 Recreation, 30 Masters, 34 Masters Certificates

CHAIR: Alan Lew
DEPARTMENT ADMINISTRATIVE ASSOCIATE: Dana Mandino

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 emphasizes 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 seven 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 graduate 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 approved by your practicum committee. This nonthesis plan requires a professional applied paper that is approved 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 two well equipped GIS/ remote sensing labs and a Geodesign studio classroom. 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 (below) 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.


GEOGRAPHY AND PUBLIC PLANNING FACULTY:
Jessica R. Barnes, Ph.D., Ohio State, 2014; Lecturer — human geography, developing world, climate change, cultural geography, migration, urban planning, landscape analysis, urban planning.

R. Dawn Hawley, Ph.D., Arizona State, 1994; Professor — public land policy, economic geography, urban geography, GIS, U.S., Geographic Science & Community Planning Coordinator (D.Hawley@nau.edu)

Ruihong 'Ray' Huang, Ph.D., Wisconsin-Milwaukee, 2003; Associate Professor — GIS, spatial Statistics, urban transportation modeling, geography, urban planning.

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

Mark Manone, M.A., Northern Arizona University; Associate Professor of Practice — GIS

Brian Petersen, Ph.D. University of California Santa Cruz, 2010. Assistant Professor — Environmental Studies, Forest Resource Management, Sustainability, Climate Change and Society.

Erik Schiefer, Ph.D., University of British Columbia, Canada, 2004; Assistant Professor — Physical Geography, GIS, and Geomorphology. Graduate Program Coordinator. (Erik.schiefer@nau.edu)

Amanda Stuev, Ph.D. University of British Columbia, Canada, 2008; Lecturer — Physical Geography, Weather and Climate, Global Analysis. (Amanda.stuev@nau.edu)


PARKS AND RECREATION MANAGEMENT FACULTY:
Aaron Divine, M.S.; Northern Arizona University, 2005; Lecturer, Park Ranger Training Program Director — park ranger training, physical education and cultural resource protection.

Mark Maciha, Ph.D. Northern Arizona University 2014; Assistant Professor, Park Ranger Training Program Director — Park protection I and II, wildland recreation, natural resources management. (Mark.Maciha@nau.edu)

Pamela Foti, Ph.D., Wisconsin, 1988; Professor — wildland recreation and expeditions, outdoor recreation research and policy, impact analysis, park and recreation agencies (Pam.Foti@nau.edu)

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

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

Rosanna “Mareike” Taney, M.S., Northern Arizona University 2006; Lecturer, Distance Learning Program — River rafting and outdoor education specialties
John Lynch, M.A., 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 —
  computer cartography, geomorphology, climate, GIS, remote
  sensing, field techniques; GIS Programs Coordinator
  (Lee.Dexter@nau.edu)
Christina B. Kennedy, Ph.D., Arizona, 1989; Professor — landscape
  studies, environmental perception, geography of film, resource
  management, environmental studies; (Tina.Kennedy@nau.edu)
Stanley W. Swarts, Ph.D., UCLA, 1975 — cartography, climate
  geomorphology, American Southwest, and lands
Gradydon 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
Philip A. Davis, Jr., Ph.D., Kentucky; USGS Research Geologist;
  Adjunct Professor — remote sensing, GIS
Kathryn Thomas, Ph.D. California-Santa Barbara; USGS Biological
  Resources Division, Colorado Plateau Field Station; Adjunct
  Professor — plant and landscape ecology, biogeography, arid lands
Neil Gulickson, B.B.A., B.S. Northern Arizona, 1992; Associate
  Planner, City of Flagstaff; Instructor — physical planning,
  urban design, zoning, planning practice
Michael Kerski, M.Arch., Wisconsin-Milwaukee; AIA, CNP;
  Redevelopment Program Director, City of Flagstaff; Instructor
  — urban design, urban redevelopment, site planning, new
  urbanism
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 degree prepares 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 degree 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. But over the past 13 years, foundations and
  universities have worked together to develop new master’s programs
  for students seeking professional skills for the 21st century global
  marketplace. 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.

UNIVERSITY OF ARIZONA

SCHOOL OF GEOGRAPHY AND DEVELOPMENT
  DATE FOUNDED: 1961
  GRADUATE PROGRAM FOUNDED: 1963
  DEGREES OFFERED: B.A., B.S., B.S GIST, M.A., M.S.,
  M.S.GIST, MDP, Ph.D.
  GRANTED 7/1/15-6/30/16: 71 BA/BS, 5 Masters, 2 Ph.D.,
  29 GIST, 10 MDP
  STUDENTS IN RESIDENCE: 393 Undergraduate Majors,
  11 MA, 52 MS, 26 MDP, 53 Ph.D.
  DIRECTOR: Lynn Staeheli
  ASSOCIATE DIRECTOR: Greg Barron-Gafford
  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, ENR2 Building, POB
  210137, 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 Urban and Regional Development, a B.S. in Geographic
  Information Systems Technology, 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 Urban and
  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
  Policy, Climate and Paleoclimate and Methodology and Technology.
  The School also offers a one-year, professional M.S. in GIST and a
  Masters in Development Practice. The School participates, with other
  programs, in offering a Graduate Certificates in GI Science, Water
  Policy, and Connecting Environmental Science and Decision Making.
  The School supports a wide range of methodological approaches,
  including critical methods, GIS, qualitative methods, remote sensing,
  spatial ecomometrics, 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 5.
FACULTY:

Kevin J. Anchukaitis, Ph.D., University of Arizona, 2007, Associate Professor — paleoclimatology, dendrochronology, spatiotemporal statistics, climatology, drought, human-environment interactions; Latin America, United States, Asia, Mediterranean

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, PhD., 2010, Associate Professor and Associate Director — 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

Stefano Bloch, PhD., University of Minnesota, 2012, Assistant Professor — Chicanó urbanism, street gangs, crime, ethnography, policing, qualitative methods, race and ethnicity, spatial theory, subcultures.

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

Vincent Del Casino Jr., PhD., University of Kentucky 2000, Professor and Vice Provost for Digital Learning and Student Engagement and Associate Vice President for Student Affairs and Enrollment Management — 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

Andrea K., Gerlak PhD., University of Arizona 1997, Associate Professor — water governance and policy, global environmental policy, transboundary waters, groundwater management resilience, adaptation, social-ecological systems, western U.S., Latin America, SE Asia and Europe.

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

Mark Kear, PhD., Simon Fraser University, 2015, Assistant Professor — financial geography, urban geography, ethnography, urban poverty, financial exclusion, financial literacy, financial empowerment, governmentality, biopolitics, credit and debt, personal/consumer finance, financial regulation, payment systems.

Diana M. Liverman, Ph.D., UCLA, 1984, Regents Professor, Geography — 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 GIS — cultural geography, media and cinema, GLScience

Sallie A. Marston, Ph.D., Colorado, 1986, Professor and Director of UA Community and School Garden Program — political, cultural, social theory and feminist geography

Orhon Myadar, Ph.D., University of Hawaii, Manoa, 2007, Assistant Professor — nationalism, urban geography, mobility, film, resource politics, political geography of post-Soviet states.

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 political ecology, Mexico, Latin America and the Caribbean.

David A. Plane, Ph.D., Pennsylvania, 1981, Professor — migration, population, transportation, and regional science

Derek Rashbrook, Ph.D., Arizona, 2005, Associate Professor and Director of Undergraduate Studies — development, Latin America, social theory/social justice

Christopher A. 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

Katherine Snyder, PhD., Yale University, 1993, Professor and Director of Master’s of Development Practice Program — Sub-Saharan Africa, Tanzania, Kenya, Ethiopia, Malawi, and Ghana.

Lynn A. Staeheli, PhD., University of Washington, 1989, Professor and Director of Community and political activism, citizenship, public space, memory and post-conflict societies, gender, youth, religion and race, Lebanon, South Africa, US, Europe

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

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 — paleoeclimatology, dendrochronology, climate variability, water resources, western U.S.

EMERITI FACULTY:

D. Robert Altschul, Ph.D., Illinois
Wayne Robert Decker, Ph.D., Johns Hopkins University
Lay James Gibson, Ph.D., Yale University, 1993, Professor and Director of Undergraduate Studies — political and cultural geography, media and cinema, US, Latin America and the Caribbean.

Affiliated Faculty:

Brown, Heidi, Ph.D., Yale University, 2007, Assistant Professor — Epidemiology and Biostatistics Division— vector-borne disease, spatial epidemiology and climate change and health

Bonnie G. Colby, Ph.D Wisconsin, 1983, Professor, Agriculture and Resource Economics — water, public lands, energy and environmental economics

Benedict Colombi, PhD., Washington State University, 2007, Professor — American Indian Studies
ARKANSAS

UNIVERSITY OF ARKANSAS, FAYETTEVILLE

DEPARTMENT OF GEOSCIENCES, DIVISION OF GEOGRAPHY

DATE FOUNDED: 1947
GRADUATE PROGRAM FOUNDED: 1948
DEGREES OFFERED: B.A., M.S.

STUDENTS IN 2016-2017 RESIDENCE: 160 Majors, 67 Masters

CHAIR: Christopher Liner
DEPARTMENT ADMINISTRATIVE SUPERVISOR: Teresa Center

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Christopher Liner, Chair, Department of Geoscience, University of Arkansas, Fayetteville, Arkansas 72701. Telephone (479) 575-3159. Fax (479) 575-3469. E-mail: liner@uark.edu, Internet: geosciences.uark.edu

PROGRAMS AND RESEARCH FACILITIES: The department offers a program of instruction and research leading to a Master of Science degree. A minimum of 30 semester hours of graduate work is required to complete the degree. The department is particularly strong in the areas of physical geography (geomorphology, meteorology, climatology), GIS and cartography. Students are also encouraged to take appropriate courses related to their interest in other departments. Research facilities include a university computer system with computer-assisted mapping peripherals, and a departmental microcomputer laboratory with capabilities for digital color mapping, classification of satellite imagery and statistical analysis. The University of Arkansas has been designated a Geographic Information Systems Technology Transfer Center by the U.S. Congress. The GIS Center is part of the Center for Advanced Spatial Technology (CAST), which is housed in a new, state-of-the-art building dedicated to information technologies. The Center has major teaching and research projects and provides many opportunities for geography students. The department also operates a tree-ring laboratory supported by the National Science Foundation.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:
Undergraduate: The University is on the semester system. Acceptance by the University of Arkansas is prerequisite to admission by the Department. Standard financial aid plans are available from the University. The Department presently does not offer aid to the undergraduate student.
Graduate: The University is on the semester system. Acceptance by the University Graduate School is prerequisite to admission by the department. Half-time teaching and research assistantships are available for the nine-month academic year and include remission of all tuition.

FACULTY:
Mohamed Aly, Ph.D., Texas A&M University, 2006, Assistant Professor — InSAR, GPS, GIS, Crustal Deformation Modeling, and Geohazard Assessment
Paula Anderson, M.S., University of Arkansas, 2012, Instructor — General Geology
Steve Arons, Ph.D., University of North Carolina, 1994, Professor — Geophysics, Marine Geology, Lacustrine Geology, Earth Systems, Sustainability Studies
AMERICAN RIVER COLLEGE

EARTH SCIENCES DEPARTMENT (Geography and Geology)

DATE FOUNDED: 1970

DEGREES OFFERED: A.S. in Geography, A.A. for Transfer in Geography, and A.S. and Certificate in GIS

GRANTED: approx. 30 per year including GIS

MAJORS: approx. 20

HEAD: Hugh Howard, Department Chair, Earth Sciences

DEPARTMENT ADMINISTRATIVE ASST: Christine DeWitt, Admin. Asst., Science Division

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Geography/GIS Program, Earth Sciences Department, American River College, 4700 College Oak Drive, Sacramento, CA 95841-4286. (916) 484-8637. Email us at: howardh@arc.losrios.edu Visit our webpage at: arc.losrios.edu/earthsci

PROGRAMS AND RESEARCH FACILITIES:
American River College offers 10 lower division thematic and regional geography courses, as well as several field courses to destinations across California. Additionally, we offer 12 introductory and advanced courses in GIS and related topics. These courses are supported by two 30-station state of the art PC labs running the latest ESRI software and associated extensions.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: American River College is a community college open to all residents who are high school graduates or who are at least 18 years of age and able to profit from the instruction offered. Financial aid is available.

TENURED FACULTY:
John Aubert, M.A. UC Davis — Physical, Cultural, field courses
Hugh Howard, Ph.D. University of Kansas — GIS, Physical
Glenn Jaecks, Ph.D. UC Davis — Physical and Historical Geology, Oceanography, Paleontology, field courses
Melissa (Lisa) Levy, M.A. East Tennessee State University — Geology, Earth Science, Weather and Climate, field courses
Charles Thomsen, M.A. CSU Chico — Physical, Cultural, field courses

ADJUNCT FACULTY: (5+ years)
Robert Earle, M.A. SF State University — GIS, Database
Nathan Jennings, M.S., University of Wisconsin — GIS, Remote Sensing
Tom Lupo, M.A. SF State University — GIS, Applications
Marius Petraru, Ph.D. Jagellonian University — Physical, Cultural
Ronnie Richards, M.S. Sacramento State University — GIS, Database
Paul Veisz, M.S. UC Berkeley — GIS, Data Acquisition
Michael Winter, M.A. University of Kansas — Physical

EMERITUS FACULTY:
Robert Christopherson, M.A. Miami University Ohio — Physical, Cultural
Phil Renner, M.A. University of Oregon — Physical
DEPARTMENT OF GEOGRAPHY AND ANTHROPOLOGY
DATE FOUNDED: 1973
DEGREES OFFERED: B.S.
GRANTED 9/1/13-8/31/14: 20 Bachelors
MAJORS: 50
CHAIR: Lin Wu

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) 869-3560. Fax (909) 869-3586. E-mail: lwu@cpp.edu WEB: http://www.cpp.edu/class/geography-anthropology/

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 Geographic Anthropology. 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 state of the art hardware and software. Faculty and students are increasingly involved in GIS and applied research, and contribute 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, bio geography, human geography, geographic information systems, natural resource conservation
Kyung In Hah, Ph.D., Ohio State University, 2014, Assistant Professor — Tropical mountain glaciology / geography, global climate change, water resources in Latin America, airborne and spaceborne remote sensing, GIScience and GPS mapping.
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:
Nurudeen Alao, Ph.D., Northwestern University, 1970, — cultural, physical, California
Jason Ambacher, MA Cal State Fullerton, 2015 — cultural, world regional
Jennifer Bjerke, MA, Rutgers, 2012 — physical, cultural

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.
CERTIFICATES OFFERED: Certificate in Geospatial Technology; Certificate in Land Use & Environmental Planning.
MINORS OFFERED: Environmental Studies; Geography; Geospatial Literacy; Planning and Development.
DUAL DEGREES OFFERED: Geography and Economics; Geography and History.
GRANTED 9/1/16 - 8/31/17: 22 Bachelors, 3 Masters
STUDENTS IN RESIDENCE: 75 Majors
CHAIR: Dean H.K. Fairbanks
ADMINISTRATIVE ASST: Jessie Mendoza
LAB TECHNICIAN: TBD

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/

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 Geospatial Technology and Resource Management & Land Use Planning. Geography and Planning also houses a minor in Environmental Studies and Geospatial Literacy. Geography and Planning in collaboration with two other academic departments house two formal double majors: Geography and Economics; and Geography and History.

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 area are an excellent laboratory for the undergraduate options in planning.

The department offers comprehensive facilities and equipment for undergraduate and graduate study. These include an extensive collection of maps, imagery, and technical field equipment; a physical geography laboratory; a multi-purpose 30 seat GIS, cartography, remote sensing and statistical analysis computer laboratory; a multi-
media outfitted group project geography lounge; multi-media seminar room; access to University ecological preserves (Big Chico Creek Ecological Reserve); 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 some summer session.

A range of eight scholarships are available to undergraduate students based on gpa, merit and need. Student interns are often hired for CSU Chico Research Foundation contract projects at the Geographical Information Center and Center for Economic Development on a competitive basis. Internships are also available from surrounding cities, county, state, and federal agencies, and in private business as well as non-profit organizations. Teaching assistantships are available for Graduate students 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, rural relations, economic geography, Latin America, Brazil
Dean H.K. Fairbanks, Ph.D., University of Pretoria, South Africa, 2001, Professor — landscape ecology, GIS, human-environmental relations, environmental planning, spatial econometrics, remote sensing
Don L. Hankins, Ph.D., UC Davis, 2005, Professor — fire ecology and management, water resources, restoration ecology, indigenous peoples geography
LaDonna G. Kugle, Ph.D., SUNY-Buffalo, 2006, Associate Professor — urban geography, community planning, qualitative research, critical GIS
Naomi W. Lazarus, Ph.D., University of Connecticut, 2014, Assistant Professor — GIS, cartography/visualization, web-GIS, statistical methods, hazards geography, human geography
Paul Z. Melcon, Ph.D., University of Wisconsin-Madison, 1979, Associate Professor — physical geography, hazards, geomorphology, remote sensing
Eugene Rovai, Ph.D., Clark University, 1991, Professor — hazards, water resources, cartography
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, Professor — environmental studies, sustainability issues, environmental education, historical geography of the US

ADJUNCT:
Owen Bettis, M.A., CSU, Chico, 2012 — physical geography
Steven Herman, M.A., University of North Carolina, 1982 — geographic education, California geography, American West
Robert Pierce, M.A., CSU, Chico, 2003 — physical geography
Jeremy Miller, M.S., Antioch Univ., 1999 — sustainability issues, physical geography
Ryan Miller, M.A., Univ. of Washington, 2014 — Urban Planning, GIS
Steven Steward, M.A., CSU, Chico, 1996 — GIS, cartography, geographic education

EMERITI:
Richard L. Haiman, Ph.D., UCLA, 1973, Professor
Donald G. Holtgrieve, Ph.D., Oregon, 1973, Professor
Ladd Johnson, Ph.D., UCLA, 1964, Professor
Guy Q. King, Ph.D., University of Utah, 1982, Professor
Ralph Meuter, Ph.D., University of Oklahoma, 1973, Professor
Edward L. Myles, Ph.D., Michigan State, 1973, Professor
Susan Place, Ph.D., UCLA, 1991, Professor
Frank Seawall, Ph.D., Pennsylvania State University, Professor
Jerry R. Williams, Ph.D., Florida, 1969, Professor

CALIFORNIA STATE UNIVERSITY, NORTHBRIDGE

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1960
GRADUATE PROGRAM FOUNDED: 1960
DEGREES OFFERED: B.A., M.A.
GRANTED 2015-2016: 29 Bachelors, 9 Masters
STUDENTS IN RESIDENCE: 110 Majors, 53 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/social-behavioral-sciences/geography

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 including a newly created water resources curriculum. 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:
Sanchayeeta Adhikari, PhD., Univ. of Florida, 2011 Assistant Professor — Human-environment geography, remote sensing, & GIS, protected areas, South Asia
Soheil Boroushaki, Ph.D., UWO, 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. Crane, Ph.D., SDSU, 2006, Professor — media geography, cultural geography, geo-visualization
Ronald A. Davidson, Ph.D., UCLA, 2003, Professor — public space, teacher education, narrative and geography, regional geography
Mario Giraldo, Ph.D. Georgia 2007, Associate Professor — Sustainability, biogeography, GIS, remote sensing applications, mountain agriculture, water resources
Lake P. Drake, Ph.D., Rutgers University, 2015, Assistant Professor — Urban/economic, political ecology, GIS, qualitative methods
Steven M. Graves, Ph.D., Illinois, 1999, Professor — pop culture, social, urban/economic, geography education

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CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

DEPARTMENT OF GEOGRAPHY and ENVIRONMENTAL STUDIES

DATE FOUNDED: 1971

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

GRANTED: 9/1/15-6/20/16: Geography: 9 Bachelors; Global Studies: 3 Bachelors; Environmental Studies: 17 Bachelors

MAJORS: Geography: 22; Environmental Studies: 89

CHAIR: Kevin Grisham

DEPARTMENT ADMINISTRATIVE SUPPORT COORDINATOR: Patricia Massei

FOR FURTHER INFORMATION WRITE TO: Professor Kevin Grisham, 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: kgrisham@csusb.edu; pmassei@csusb.edu; or 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 computers 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:

Jennifer Alford, Ph.D., University North Carolina Greensboro, 2014, Assistant Professor — environmental geography; water resources; natural resources management and policy; geospatial analysis.

Andrew Bodman, Ph.D., The Ohio State University, 1978, former 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, Associate Professor — Model United Nations and Model Arab League programs; geopolitics

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

Norman Meek, Ph.D., UCLA, 1990, Professor — geomorphology, military geography, Quaternary studies, climate change

Bo Xu, Ph.D., University of Georgia at Athens, 2008, Associate Professor — GIS, remote sensing

EMERITI FACULTY:

Jeffrey D. Hackel, Ph.D., UC, Riverside, 1988, Professor Emeritus — conservation and resources, Africa, biogeography, geographic research methods

Theodore R. McDowell, Ph.D., Oregon State, 1980, Professor Emeritus — water resources, climate, conservation, remote sensing, natural hazards

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
DEGREES OFFERED: B.A. in Geography  
MAJORS: 29 Geography  
MINORS: 12 Geography  
DEGREES GRANTED: 3 BA  
DEPARTMENT CHAIR: Sari Miller-Antonio  
PROGRAM DIRECTOR: Peggy Hauselt  
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.  
E-mail: PHauselt@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. We also direct the Master of Science in Interdiscipline Studies in Geospatial Concentration. 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 Awanwuniogba, Ph.D., Univ of Texas, Austin, 2011,  
Associate Professor — Geomorphology, GIS, Remote Sensing, Mexico, West Africa  
José R. Díaz Garayúa, Ph.D., Kent State Univ, 2008, Assistant Professor — Social, Cultural, Community GIS, Urban-Economic, Race, Ethnicity, Place  
Peggy Hauselt, Ph.D., UC Davis, 2007, Associate Professor — Environmental, Agricultural, Biogeography, GIS  
Alison McNally, Ph.D., UC Davis, 2014, Assistant Professor — Environmental, Agricultural, Biogeography, GIS

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

AFFILIATED FACULTY:  
Jennifer Helzer, Ph.D., Univ of Texas, Austin, 1998, Professor — Cultural, Historical, Urban, North America, Europe, California

EMERITI FACULTY:  
Melvin H. Aumond, Ph.D. Indiana University, 1968  
Ida Bowers, Ph.D. University of Hawaii, 1973  
Eric Karlstrom, Ph.D., University Calgary, 1981,  
Leon S. Pitman, Ph.D. Louisiana State University, 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

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.crr.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

EAST LOS ANGELES COLLEGE

DEPARTMENT OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY

DATE FOUNDED: 1949

DEGREES OFFERED: Associate in Arts in Geography for Transfer (AA-T); Associate in Arts in Environmental Studies: Physical Sciences (AA)

FOR FURTHER INFORMATION CONTACT: Dr. Stephen Kolettsr, Department of Anthropology, Geography, Geology, East Los Angeles College, 1301 Avenida Cesar Chavez, Monterey Park, California 91754-6099. Telephone: (310) 367-2115. E-mail: kolettsr@elac.edu

COURSES OFFERED: Physical Geography, Physical Geography Laboratory, Cultural Elements of Geography, Introduction to Weather and Climate, World Regional Geography, Geography of California,
Global Climate Change, Introduction to Geographic Information Systems, GIS Applications

PROGRAM The Associate of Arts in Geography for Transfer Degree is designed for students wishing to pursue a Bachelors degree in Geography at a California State University. The degree provides students with a comprehensive set of courses designed to maximize their success as they pursue a degree and subsequent career in Geography or a related field. The major provides students with a comprehensive understanding and appreciation for the complex linkages between the geosphere, the atmosphere, the hydrosphere, and the biosphere, and the manner in which Earth’s different landscapes are formed. Students also study the geographic character of human society and activities, and aspects of globalization in contemporary life. Students are trained to analyze and interpret geographic patterns using maps, graphs, Geographic Information Systems and other analytic tools commonly employed by geographers to interpret our world. The required courses help students hone skills in spatial thinking, geographic analysis, landscape interpretation, and field research. These courses have been selected to fulfill the lower division requirements for Geography majors in the California State University, and prepare them for success in upper division courses in Geography.

FACULTY: 
Stephen Koletty, Ph.D., University of Southern California
Tiffany Seeley, M.A., California State University, Fullerton

ESRI

DATE FOUNDED: 1969
PRESIDENT: Jack Dangermond

FOR FURTHER INFORMATION ABOUT CAREER OPPORTUNITIES AND APPLICATION PROCEDURES, CONTACT: Human Resources, Esri, 380 New York Street, Redlands, California 92373-8100; telephone: 909-793-2853; e-mail: jobs@esri.com; World Wide Web: www.esri.com/careers

Esri is the world’s leading provider of geographic information systems (GIS) software. Jack and Laura Dangermond founded the company in 1969 as an urban and landscape design consultancy. Their small team applied early computer mapping and analysis methods pioneered at Harvard’s Laboratory for Computer Graphics, where Jack was a graduate student. Over time, Esri evolved into a software and services company, building upon the geographic information science and technologies developed in academia and industry since the 1970s. It now employs more than 3,000 people in the U.S., and many more at over 80 international distributors. Today some 350,000 public, private and non-profit organizations around the world rely on Esri technology. Over a million GIS professionals use Esri’s GIS platform - ArcGIS - to create information products used by countless more knowledge workers, decision makers, and citizen stakeholders.

The U.S. Department of Labor and various economic impact studies indicate that the GIS workforce is large and growing. Specialized education in geography is one route into this workforce. Graduates with specializations in human geography might work in teams that investigate the spatial dimensions of health, or the provision of public services, transportation planning, or commercial applications like logistics, retail site selection, or demographic analysis for marketing. Others use GIS for humanitarian work. Physical geographers may be involved in floodplain modeling, conservation biology, forestry, or energy resources discovery, processing and transmission. Others may help advance the state of the art in geographic information science and technology at startups, research organizations, or even Esri.

GIS technologies and methods continue to evolve. Learning is a way of life for GIS users. Esri is committed to supporting lifelong learners. Its support extends from teachers, pupils and "GeoMentor" volunteers in schools, to students, educators and researchers in higher education, to recent graduates who aspire to careers in GIS, to GIS professionals who seek to advance their careers, career changers looking for a better future, and even to retirees who seek to give back to their communities. Esri’s offerings for lifelong learners include:

- Software donations and curriculum solutions for primary and secondary schools
- Coordination and training for GeoMentors
- Low cost access to ArcGIS for colleges and universities
- No-cost access for students and recent graduates
- Curriculum solutions for higher education
- Paid internships and conference assistantships
- Esri Press books and associated online exercises
- ArcNews and ArcUser magazines
- Web-based and instructor-led online training
- A Young Professionals Network
- Massive Open Online Courses (MOOCs), and
- Volunteer opportunities for retirees.

The goal of Esri’s Lifelong Learning program is to inspire people to apply geography in amazing ways that benefit individuals, families, communities, and our changing world.

For additional information about Esri's higher education programs, Contact Esri’s Higher Education team at highered@esri.com.

LANEY COLLEGE

DEPARTMENT OF HUMAN AND PHYSICAL SCIENCES

DATE FOUNDED: 1972

DEGREES OFFERED: A.A. in Geography

DEGREES GRANTED (Or Expected) 9/1/16 – 8/31/17: 5

A.A. Geography

MAJORS: 7 Geography

CHAIR: Mark Rauzon, mrauzon@peralta.edu

PROGRAM ADMINISTRATIVE ASSISTANT: Mayra Arévalo

FOR CATALOG AND FURTHER INFORMATION WRITE TO:
Mark Rauzon, Laney College, 900 Fallon Drive, Oakland, CA 94607

PROGRAMS AND RESEARCH FACILITIES:
A range of introductory geography and earth science courses are offered, including a laboratory class, which includes frequent field work in the peri-campus area involving the continual gathering of a data set from water samples and testing from the local estuary. Field trips are also taken to local tectonic fault lines, stands of redwood forest, and waste-water treatment plants.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:
Courses offered are: introduction to physical geography, physical geography laboratory, introduction to cultural geography, world regional geography, California geography, and climate change. Admission to the department and to a geography major is not restricted and completely based on student choice and volition. Students majoring in geography must take at least 12 units of geography courses at Laney College or within the Peralta Colleges district.
FACULTY:
Mark J. Ranson, M.S., University of Hawai‘i 1977 — biogeography, ornithology, Pacific seabirds
Gregory J. Schwartz, Ph.D., University of Texas, Austin 2015 — political ecology, water resources, forests and payment for environmental services, social aspects of climate change

PALOMAR COLLEGE

DEPARTMENT OF EARTH, SPACE, AND ENVIRONMENTAL SCIENCES

DATE FOUNDED: 1946

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

CHAIR: Wing H. Cheung, PhD.
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: bmorris@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 issues, (5) geography of California, (6) geographic information science (GIS), (7) remote sensing, and (8) unmanned aircraft systems (UAS). Students may participate in regional field studies courses or direct study courses in order to concentrate in his/her chosen field and program area.


FACULTY:
Wing H. Cheung, PhD, University of California-Irvine, 2017, Professor — human geography, GIS, remote sensing, environmental studies, UAS
Catherine M. Jain, MA, San Diego State University, 2000, Professor — physical geography, meteorology, environmental studies

SAN DIEGO MESA COLLEGE

SOCIAL SCIENCES DEPARTMENT

DEGREES OFFERED: A.A in Geography, A.A. for Transfer in Geography to the California State University system

FOR FURTHER INFORMATION WRITE TO: Dr. John Crocitti, Chair, Social Sciences Department, San Diego Mesa College, 7250 Mesa College Drive, San Diego, CA 92111-4998 Telephone (619) 388-2471. E-mail: jrcocitti@sdccd.edu Internet: http://www.sdmesa.edu/students/academic-programs/geography/

COURSES OFFERED: Physical Geography, Physical Geography Laboratory, Cultural Geography, World Regional Geography, Introduction to Urban Geography, Independent Study

FACULTY:
Kenneth J.E. Berger, D.Env. (University of California at Los Angeles, 1982), Professor
Waverly C. Ray, Ph.D. (Texas State University – San Marcos, 2012), Assistant Professor
Mark M. Trembley, M.A., M.L.A. (University of California at Berkeley, 1970, 1975, respectively), Professor Emeritus
Christa Stutz Farano, Ph.D. (Texas State University – San Marcos, 2015), Adjunct Faculty
Barbara Buttserson, M.S. (University of California at Davis, 1990), M.A., M.S. (San Diego State University, 2007, 2011, respectively), Adjunct Faculty
Jessica A. Garza, M.S. (University of Hawaii at Manoa, 2011), Adjunct Faculty
David Laluk, Ph.D. (San Diego State University/University of California at Santa Barbara, 2006), Adjunct Faculty
Heather Davis, M.A. (San Diego State University, 2008), Adjunct Faculty

SAN DIEGO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1914

GRADUATE PROGRAM FOUNDED: 1956

GRANTED 08/22/16-08/22/17: 42 Bachelors, 18 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 75 Majors, 31 Masters, 18 Ph.D.

CHAIR: Piotr Jankowski
DEPARTMENT COORDINATOR: Patricia O’Leary

FOR FURTHER INFORMATION WRITE TO: Diana Richardson, Undergraduate Advisor, Ira Zukanović, Graduate Program Coordinator, Dr. Trent Biggs, 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: geography@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: For admission requirements, refer to the University General Catalog.

FACULTY:
Edward Aguado, Ph.D., Wisconsin, 1983, Professor — climatology, meteorology, physical
Stuart C. Atiken, Ph.D., Western Ontario, 1985, Professor and The Jane 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 Debnané, Ph.D. York University, Canada, 2010, Assistant Professor — political ecology, urban nature and social justice, water governance and development, geographies of socio-environmental change in South Africa
Fernando De Sales, Ph.D., UCLA, 2006, Assistant Professor — climate modeling, land-surface atmosphere interaction processes, impacts of land-use and land-cover change on climate, regional dynamic downscaling, and forecast verification methods
Kathleen A. Farley, Ph.D., Colorado, 2002, Associate Professor — environmental science and policy, land use change, ecosystem processes and services, physical geography
Piotr Jankowski, Ph.D., Washington, 1989, Professor & Chair — GIScience, spatial decision support systems, public participation 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
Hilary McMillan, Ph.D., Cambridge University, 2006, Associate Professor — hydrological processes, hydrological predictions, water resources, impact of humans on watershed processes, social-hydrology
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
John F. O'Leary, Ph.D., UCLA, 1984, Professor — biogeography, physical, environmental analysis
André Skapin, Ph.D., SUNY at Buffalo, 1998, Professor — GIScience, cartography, information visualization, visual data mining
Douglas A. Slow, Ph.D., UC, Santa Barbara, 1985, Professor — remote sensing, environmental monitoring, landscape ecology
Kate Swanston, 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
SAN FRANCISCO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ENVIRONMENT

DATE FOUNDED: 1937

GRADUATE PROGRAM FOUNDED: 1965

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

GRANTED 9/1/15 – 8/31/16: 57 Bachelors, 7 M.A., 2 M.S.

STUDENTS IN RESIDENCE: 187 Majors, 58 Masters

NOT IN RESIDENCE: 20 Masters

CHAIR: Jerry Davis

DEPARTMENT OFFICE COORDINATOR: Theresa Kane

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, for a total of 39-42 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

Leonard Blesius, Ph.D., Iowa, 2002, Associate Professor — remote sensing of the environment, landslide susceptibility analysis, geomorphological hazards

Tendai Chiterevere, 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, Professor — land use planning, transportation

Ellen Hines, Ph.D., Virginia, 2002, Professor — GISci, endangered marine species, marine resources

XiaoHang Liu, Ph.D., UC Santa Barbara, 2003, Associate Professor — GISci, remote sensing, spatial analysis, urban and environmental modeling

Leora Nash, Ph.D., Colindado, 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

Barbara A. Holzman, Ph.D., UC Berkeley, 1993

Max C. Kirkeberg, M.A., Wisconsin, 1959

Hans J. Meihoefer, Ph.D., Washington, 1968

John E. Westfall, Ph.D., George Washington, 1969

UNIVERSITY OF CALIFORNIA, BERKELEY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1898

GRADUATE PROGRAM FOUNDED: 1908

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

GRANTED 9/1/16-8/31/17: 42 Bachelors, 6 Ph.D.

STUDENTS IN RESIDENCE: 102 Majors, 50 Ph.D.

NOT IN RESIDENCE: 10 Ph.D.

CHAIR: Nathan F. Sayre

DEPARTMENT MANAGER: Josh Mandel

FOR INFORMATION AND ADMISSIONS: For general information, Telephone (510) 642-3903. E-mail: jsmandel@berkeley.edu. For the undergraduate and graduate handbook and admissions information, contact Marjorie Ensor, Student Academic Advisor. Telephone (510) 642-3904. E-mail: enso@berkeley.edu. Mail address: Department of Geography, 505 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, biogeochmistry, 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 throughout the University and to follow their inspiration whenever 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, International Relations, Southeastern Studies, Southeast Asia 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 online (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 GEGG 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, Brechin-Chlebovska 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 the school year 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.

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 the school year 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.

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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:
Jeffrey Q. Chambers, Ph.D., UC Santa Barbara, 1998, Associate Professor — terrestrial ecosystem ecology and biogeography, tropical forests and climate change interactions, landscape dynamics and remote sensing
Sharad Chari, PhD., UC Berkeley, 2000, Associate Professor — Human geography, historical ethnography, social theory, political economy, development, agrarian studies, capitalism, labor and work, difference/differentiation, racism, biopolitics, Black radical tradition, materiality, oceanic humanities, India, South Africa, Indian Ocean.
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. Caffey, 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
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
Jake Kosek, Ph.D., UC Berkeley, 2002, Associate 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
Jovan Lewis, Ph.D., London School of Economics, 2014, Assistant Professor — Economic anthropology of Jamaica and the USA; cooperation and inequality; constructions of race, economy, and the market.
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, 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

ADJUNCT FACULTY:
David Wahl, Ph.D., UC Berkeley, 2005 — Central America, Western US, Pacific Islands

AFFILIATED FACULTY:
Teresa Caldeira, PhD, Berkeley, Professor of City and Regional Planning
Pheng Cheah, PhD, Cornell, 1998, Professor of Rhetoric
William Dietrich, Ph.D., University of Washington, 1982, Professor of Earth and Planetary Science
Iryna Dronova, PhD., Berkeley, 2012, Professor of Landscape Architecture and Environmental Planning
Louise Fortmann, Ph.D., Cornell, 1973, Professor of Environmental Science, Policy and Management
Maggi Kelly, PhD, University of Colorado-Boulder, 1996, Professor of Environmental Science, Policy and Management
G. Edward Kondolf, Ph.D., Johns Hopkins, 1988, Professor of Environmental Planning
Nancy Peluso, PhD, Cornell, 1998, Professor of Environmental Science, Policy and Management

John D. Radke, Ph.D, British Columbia, 1983, Associate Professor of Landscape Architecture and Environmental Planning
Isba Ros, PhD, Stanford, 1997, Professor of Energy and Resources
Raka Ray, PhD, University of Wisconsin-Madison, 1993, Professor of Sociology
Sally Thompson, Ph.D., Duke, 2010, Professor of Civil and Environmental Engineering

EMERITI FACULTY:
Roger Byrne, Ph.D., Wisconsin, 1972
Paul Groth, Ph.D., UC Berkeley, 1983
Gillian P. Hart, Ph.D., Cornell, 1978
Michael Johns, Ph.D., Johns Hopkins, 1990
Beatriz Manz, Ph.D., SUNY Buffalo, 1977
Norman L. Miller, Ph.D., Wisconsin, 1987
Richard A. Walker, Ph.D., Johns Hopkins, 1977
Michael J. Watts, Ph.D., Michigan, 1979

UNIVERSITY OF CALIFORNIA, DAVIS

GRADUATE GROUP IN GEOGRAPHY
DATE FOUNDED: 1955
REORGANIZED AS GRADUATE GROUP: 1994
DEGREES OFFERED: M.A., PhD.
GRANTED 7/1/15-6/30/16: 3 Masters, 5 Ph.D.
STUDENTS IN RESIDENCE: 59
NOT IN RESIDENCE: 2
CHAIR: Robert Hijmans
PROGRAM COORDINATOR: Carrie Armstrong-Ruport
GRADUATE ADVISORS: Ryan Galt; Robert Hijmans; Jay Lund; James Quinn

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 December 15 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: carport@ucdavis.edu.

FACULTY:
Javier Arbona — Race, space, and memory; histories of colonialism and imperialism, particularly with relationship to urbanization and cities; critical military, security, and policing studies; experimental geography and art practices; urban, architectural, and spatial theories
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-Central-South America, Australia
Tom Beamish — social and organizational response to environmental change and disaster
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
Catherine Brinkley — public health outcomes around the food-energy-waste nexus. Qualitative methods and social network mapping and spatial analytics to understand farm-to-city services such as food supply and waste-to-energy. Particular interest in how these networks impact neighborhood socio-economics and greenhouse gas emissions in an effort to support sustainable land-use planning around environmental justice.
Stephane Brinkley (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
David de la Peña — participatory design, autonomous communities, architecture, urban design, sustainable site-planning, urban agriculture
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
Elise Gornish — restoration ecology and invasive species management, particularly investigating effects of management across spatial scales.
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 Guamico — economic sociology, transnational migration, immigrant entrepreneurs, comparative international development, citizenship
Joyce Gustein (Emeritus) — environmental geography, biodiversity, education
Erin Hamilton — sociology, social demographics
Susan L. Handy — transportation and land use, travel behavior
Andrew Hargadon — designing programs that align industry and entrepreneurship with university research, in particular in the fields of sustainable technologies
Lynette Hart — companion animals, elephants, Africa, North America
Bruce Haynes — sociology
Rebecca Hernandez — broadly focuses on the ecology, ecosystems, and sustainability of arid lands globally. Sustainability work focuses on the geography of energy, the land-energy-environment nexus, land-use and land-cover change of energy, environmental impacts of energy, energy transmission, energy policy, solar and wind energy systems and optimization, and the use and development of big geospatial energy datasets. Ecological work on soils incorporates biogeography and spatiotemporal dynamics of soil biogeochemistry and microbes in arid land ecosystems.
Robert Hjortman — ecological modeling, geo-informatics, agricultural geography, biodiversity conservation, climate change
Frank Hirtz (Emeritus) — law & development, development planning, social policy & welfare, Southern Africa, Southeast Asia
Benjamin Houlton — global change impact assessments; computational modeling of Earth processes; global biogeochemical cycles and climate change; Earth system science; planetary health
Richard Howitt (Emeritus) — Resource Economics, Environmental Economics, Quantitative Methods, Econometrics, Operations Research
Hsuan Hsu — focuses on literary representations of space, environment, and inequality
Yufang Jin — remote sensing of terrestrial ecosystems, fire disturbance, ecohydrology, biogeochemical cycle, climate change, and GIS
Suad Joseph (Emeritus) — women in development, Middle East
Carl Keen — teratology and birth defects, North America, Southeast Asia
Martin Kenneny — Silicon Valley and regional development, Asian urban economics, investments, electronics industry
Pete Klimley — migrations of fishes, sharks and marine mammals relative to their social and physical environments; ultrasonic, radio and satellite telemetry; mechanisms of orientation and migration
Kurt Kornbluth — biological and agricultural engineering
Eric Larsen — fluvial geomorphology, hydrology, watersheds, North America
F. Thomas Ledig (Emeritus) — evolution and biogeography, North America, Mexico, Australia, Mediterranean basin
Frank Lope — 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 (Emeritus) — environmental policy, community planning, land use planning, North America
Mark Labell — environmental policy, community-based management, social networks, human cooperation, quantitative analysis
Jay R. Land — resource management and planning, water resources, urban geography
Dean MacCannell (Emeritus) — semiotics, social policy and the environment, North America
Amina Mama — focusing on the contribution research can make in the pursuit of social justice and feminist agendas and community advocacy
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 (Emeritus) — travel behavior modeling, telecommunication impacts, transportation and land use
Frances Moore — social and economic impacts of climate change; adaptation; climate policy; impacts on agriculture; risk management
Jeffrey Mount (Emeritus) — fluvial geomorphology
Peter Moyle (Emeritus) — 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
Nicholas Pinter — geomorphology: the geology of the earth-surface; human influences on landscapes and geomorphic processes; rivers, flooding, and floodplain management
Richard Plant (Emeritus) — geographic information systems (GIS), China, Europe, North America
James Quinn (Emeritus) — conservation biology, Gap Analysis, GIS
Noha Radwan — Arabic and comparative literature
Michael Rios — political geography, urban design, community development
Robyn Rodriguez — how understandings of belonging are changing with increased mobility across borders and whether citizenship regimes are being reconfigured as a consequence. She has explored these concerns with a particular focus on contractual laborers from the Philippines.
Lynn Roller — classical landscapes and biophysical environment; Eastern Mediterranean
Margaret Rucker (Emeritus) — clothing and environmental hazards, North America, China
Hugh Safford — community and landscape ecology, fire ecology, restoration ecology and biogeography
Ann Savageau — natural world, human material culture, and their intersection and interaction.
Heath Schenker (Emeritus) — landscape history, Europe and South America
Mark Schwartz — taxonomic and geographical aspects of conservation biology
Art Shapiro — evolution, population dynamics, North-South America
Sheryl-Lou 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
Edward Spang — food-water-energy nexus; environmental indicators; systems analysis; water and energy resource management; environmental policy; clean technology
Smriti Srinivas — urban cultures, place-making, utopias, social memory, cultures of the body and performance, religion, South Asia within a comparative context
Margaret Swain (Emeritus) — sustainable development, tourism, China, Europe
Julie Szé — 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

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 Wandeforde-Smith (Emeritus) — environmental policy, North-South America, Southeast Asia

Karen Watson-Gegeo — 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 7/1/15-6/30/16: 275 Bachelors, 2 Masters, 11 Ph.D.

STUDENTS IN RESIDENCE: 353 Majors, 196 Minors, 56 Graduate Students

CHAIR: Gregory S. Okin

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 specialties).

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 2018 is December 15, 2017. All admissions materials may be found on the web at www.gsednet.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 at least eight courses in addition to two 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: Students must complete eight graduate geography courses (in addition to the two 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, Professor — historical and cultural geography, Latin America, geographic thought
Jamie Goodwin-White, Ph.D., University of Washington, 2005, Professor — cultural geography, environment and development in the Third World, gender issues, Africa
Kyle Cavanaugh, Ph.D., UC Santa Barbara, 2011, Assistant Professor — coastal ecology, biogeography, spatial ecology, and remote sensing
Daniela Casack, Ph.D., UC, Berkeley, 2009, Assistant Professor — biogeography, tropical ecosystems and soils
Jared M. Diamond, Ph.D., Cambridge, England, 1961, Professor — regulation of nutrient transport; integrative and evolutionary physiology, biogeography
Lieber 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
Juan C. Herrera, Ph.D., UC Berkeley, 2013, Assistant Professor — comparative ethnic studies, urban geography, Central American Studies
Kelly A. Kay, Ph.D., Clark University, 2016, Assistant Professor — Nature/society relations, environmental politics and policy, North America
Helga Letner, 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
Dennis P. Lettenmaier, Ph.D., University of Washington, 1975, Professor — hydrologic modeling and prediction, hydrology-climate interactions, and hydrologic change
Glen M. MacDonald, Ph.D., Toronto, 1984, Professor and The John Muir Memorial Chair — biogeography, climate change, environmental change, water resources, drought, and environmentalism
Adam Moore, PhD., Wisconsin-Madison, 2010, Associate Professor — political geography
Gregory S. Okin, Ph.D., California Institute of Technology, 2001, Professor — physical geography and soils, geomorphology and remote sensing
Shauna S. Potts, Ph.D., UC Berkeley, 2017, Assistant Professor — financial geography, geopolitics of sovereign debt and uneven development
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, Professor — physical geography, GIS, remote sensing, photogrammetry and global change
Eric Sheppard, PhD., 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

Michael Storper, UCLA Planning

EMERITI FACULTY:
Charles F. Bennett, Ph.D.
William A.V. Clark, Ph.D.
Michael R. Cury, Ph.D.
J. Nicholas Enriksen, Ph.D.
Gerry Hale, Ph.D.
Anthony R. Orme, Ph.D.
Melissa Savage, Ph.D.
Allen J. Scott, Ph.D.
Werner H. Terjung, 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: 1974
DEGREES OFFERED: BA, BA with GIS Emphasis, BS in Natural Science, MA, PhD
STUDENTS IN RESIDENCE: 160 Undergraduate Majors, 70 Graduate Students

CHAIR: Stuart Sweeney

FOR CATALOG AND FURTHER INFORMATION, CONTACT: Graduate Program Advisor: Department of Geography, University of California Santa Barbara, Santa Barbara, CA 93106-4060. Telephone: (805) 893-3663; Fax: (805) 893-2578; e-mail: geog-spa@ucsb.edu; Internet: www.geog.ucsb.edu.

PROGRAMS AND RESEARCH FACILITIES: The Geography Department at UCSB offers specialized graduate training leading toward the Master’s and PhD 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 and cognition; spatial decision-making and decision support; urban and regional modeling, planning, and policy; human movement and transportation systems; resource and environmental management; population; human response to the changing environment; health geography.

MODELING, MEASUREMENT, AND COMPUTATION (MMC): This area is the investigation of 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 HG. Important sub-areas include numerical modeling, spatial and temporal statistics, remote sensing, computational modeling and database systems (including geographic information systems), and cartography and visualization, all of which are increasingly dependent on knowledge of computational theory and practice.

The Geography faculty at UCSB have close research and teaching relationships with other disciplines, which provides 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 Center for Spatial Studies (spatial@ucsb) and has a strong association with the UCSB Earth Research Institute.

JOINT DOCTORAL PROGRAM WITH SAN DIEGO STATE UNIVERSITY (SDSU): The Geography Departments at UCSB and SDSU collaborate to offer a distinctive PhD in Geography that takes advantage of the strengths and environments of both departments. Students in the program will have a PhD supervisory committee with a main adviser from SDSU but at least one or two members from UCSB. They will typically be in residence at SDSU throughout their graduate career but spend one year in residence at UCSB. See http://www.geog.ucsb.edu/graduates/affiliated-programs/#sdsu

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:

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

Susan Cassels, PhD, Demography, Princeton University, Assistant Professor — Epidemiology and mathematical modeling; social network analysis; infectious disease epidemiology

Kelly Caylor, PhD, Environmental Sciences, University of Virginia, Professor — Ecology and hydrology of drylands, distributed environmental sensing & sensor development, sub-saharan agriculture, coupled social-environmental systems

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

Liz Chastil, PhD, Cognitive Science, Brown University, Assistant Professor — Spatial Cognition, spatial neuroscience, navigation, cognition and behavior, perception and action

Vena Chu, PhD, Geography, University of California, Los Angeles, Assistant Professor — Remote sensing, Greenland ice sheet meltwater dynamics

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

Timothy DeVries, PhD, Earth System Science, University of California, Irvine, Assistant Professor — Ocean circulation and biogeochemistry, carbon cycle, climate change, numerical modeling

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

Qinghua Ding, PhD, Meteorology, University of Hawaii, Assistant Professor — Climate dynamics

Vamsi Ganti, PhD, Civil Engineering, University of Minnesota, Twin Cities, Assistant Professor — Physical Sedimentology; geomorphology, quantitative interpretation of the sedimentary record

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

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

Krzyzof Janowicz, PhD, Geoinformatics, University of Münster, Germany, Associate Professor — Geographic Information Science, Semantic Web, sensor web, mobile computing, geographic information retrieval, gazetteers, similarity and 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, 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

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, Professor — Population (migration, fertility), health, environmental change, deforestation, rural development, Latin America

Joe McFadden, PhD, Integrative Biology, University of California, Berkeley, Associate 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 Emeritus — 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

Alan Murray, PhD, Geography, University of California, Santa Barbara, Professor — Location modeling; urban and regional planning; spatial optimization; sustainability
Nick Nidzieko, PhD, Environmental Fluid Mechanics, Stanford University, Assistant Professor — Coastal physical oceanography

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 partuculates

R. 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 — River geomorphology; Computational modeling; Individual and aggregate decision making; Artificial intelligence

Stuart Sweeney, PhD. City and Regional Planning, University of North Carolina, Chapel Hill, 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 (MS GIS), Master of GIS (MGIS)
START DATES: September & January
PROGRAM DIRECTOR: Prof. Douglas M. Flewelling
PROGRAM COORDINATOR: Ms. Andrea Barrios

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: lwu@cpp.edu WEB: http://www.cpp.edu/~class/geography-anthropology/

PROGRAMS AND RESEARCH FACILITIES: Geography is in the Department of Geography and Anthropology at Cal Poly Pomona. There are three undergraduate major options in geography in the department: Geographic Information Systems, Environmental Geography, and Geophysics. 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 state of the art hardware and software. Faculty and students are increasingly involved in GIS and applied research, and contribute 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

Kyung In Huh, Ph.D., Ohio State University, 2014, Assistant Professor — Tropical mountain glaciology / geography, global climate change, water resources in Latin America, airborne and spaceborne remote sensing, GIScience and GPS mapping

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:
Nuraddeen Aliu, Ph.D., Northwestern University, 1970 — cultural, physical, California

Jason Amsbacher, MA Cal State Fullerton, 2015 — cultural, world regional

Jennifer Bjerke, MA, Rutgers, 2012 — physical, cultural

Matthew V. Ehmer, MA, UCLA, 1986 — cultural, physical, California, Latin America, Asia, Africa, Europe

Rudolph Headley-El, MS, Cal State Long Beach, 2017 — Intro GIS. Field geography, Physical

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

Jeanne Marshall, MA, Cal State Fullerton, 1998 — cultural, California

Nikita Pragajati, MA, Cal State Long Beach, 2016 — cultural, physical, world regional, California

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

UNIVERSITY OF SOUTHERN CALIFORNIA

SPATIAL SCIENCES INSTITUTE
DATE FOUNDED: 2010
DEGREES OFFERED: B.S., GeoDesign; Minor, Spatial Studies; Minor, Human Security and Geospatial Intelligence; M.S., Geographic Information Science and Technology (online); M.S., Spatial Informatics; Graduate Certificate, Geographic Information Science and Technology (online); Graduate Certificate, Geospatial Intelligence (online); Graduate Certificate, Geospatial Leadership (online); Graduate Certificate, Spatial Analytics; Ph.D., Population, Health and Place.
GRANTED 9/1/2015-08/31/16: 55 M.S. (GIST), 30 Graduate Certificates (GIST)

STUDENTS IN RESIDENCE: 46 B.S. (GeoDesign), 20 Minor (Spatial Studies), 25 minor (Human Security and Geospatial Intelligence), 11 M.S. (Spatial Informatics), 3 Ph.D. (Population, Health and Place)
STUDENTS NOT IN RESIDENCE: 102 M.S., 50 Graduate Certificate, Geographic Information Science and Technology, 18 Graduate Certificate, Geospatial Intelligence

DIRECTOR: John P. Wilson
MANAGING DIRECTOR: Susan Kamei
ACADEMIC PROGRAMS DIRECTOR: Kendrick Watson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Kendrick Watson, 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 Allen Hancock Foundation Building and includes faculty and staff offices, two conference rooms, an instructional computer laboratory, a collaborative classroom, 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 TerrSet geospatial monitoring and modeling software suite, the latest in virtualization technologies from VMWare, and an ever-growing suite of open source 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, National Geospatial Intelligence Agency and United States Geological Survey Academic Center of Excellence, 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 Sciences or Human Security and Geospatial Intelligence.

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 GIS M.S. degree and three aforementioned Graduate Certificate programs all three semesters. Students interested in the M.S. degree in Spatial Informatics (SPIF) which is offered jointly by the Department of Computer Science and the Spatial Sciences Institute should apply through the Department of Computer Science. Students are admitted to the SPIF M.S. degree in fall and spring semesters. The Spatial Analytics Graduate Certificate serves students enrolled in a doctoral program at USC and the Population, Health and Place Ph.D. degree is an interdisciplinary program offered jointly by the Departments of Preventive Medicine and Sociology and the Spatial Sciences Institute. This program is administered by the Spatial Sciences Institute and students apply before 1 December each year for admission in the following fall semester.

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
Steven D. Fleming, Ph.D., University of Georgia, 2004, Professor of the Practice of Spatial Sciences — geospatial intelligence, remote sensing, physical geography, GIS, cartography, photogrammetry
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 for 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, Assistant Professor of Architecture, Spatial Sciences and Biological Sciences — urban bioresource management, conservation planning, ecological light pollution, endangered species
Laura C. Loyola, Ph.D., University of Southern California, 2015, Lecturer — GIS, human and evolutionary biology, anthropology, remote sensing
Katshiko (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
Elisabeth A. Sedano, Ph.D., University of Southern California, 2014, Lecturer — urban geography, web mapping, volunteered geographic information, outdoor advertising
Jennifer N. Swift, Ph.D., Bogazici University Istanbul, 1995, Associate Professor (Teaching) — GIS, web GIS, mobile GIS, data modeling, geodesign, online education
Robert O. Vos, Ph.D., University of Southern California, 1999, Assistant Professor (Teaching) — industrial ecology, GIS assessment of carbon footprinting, environmental politics and policy
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
An-Min Wu, Ph.D., University of Minnesota, 2014, Lecturer — soil science, geospatial technology, remote sensing, environmental GIS

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
François Bar, Ph.D., University of California, Berkeley, 1990, Associate Professor (Annenberg School for Communication) — social and economic impacts of information technologies, telecommunication policy, user driven innovation, technology appropriation

Myles G. Cockburn, Ph.D., University of Otago, 1999, Professor (Department of Preventive Medicine) — health GIS, cancer epidemiology, environmental epidemiology, melanoma, prostate cancer

Elizabeth Carrid-Halkett, Ph.D., Columbia University, 2006, Associate Professor (Price School of Public Policy) — city data, economic geography, economic development, cultural economy, social networks

Maged Dessouky, Ph.D., University of California, Berkeley, 1992, Professor and Director (Department of Industrial and Systems Engineering) — production and operations management, modeling and manufacturing processes and systems, operations research applications to industrial systems

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

Laura Ferguson, Ph.D., London School of Hygiene and Tropical Medicine, 2011, Assistant Professor (Department of Preventive Medicine) — global health, human rights, population health, health systems

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, Assistant Professor (Teaching) (Department of Anthropology) — GIS, remote sensing, Maya and Mesoamerican archaeology, landscape archaeology

Yolanda Gil, Ph.D., Carnegie Mellon University, 1992, Research Professor and Associate Director of Informatics for Joint Degrees (Department of Computer Science) — artificial intelligence, discovery informatics, scientific workflows, social knowledge collection, knowledge management

Sofia Gruskin, J.D., Yeshiva University, 1990, Professor (Department of Preventive Medicine, Gould School of Law) — health and human rights, global health and population, reproductive health

Jennifer Hoek, Ph.D., University of Washington, 2006, Associate Professor (Sociology) — family demography, gender, inequality, work-family, social policy, child welfare, comparative sociology

Matthew E. Kahn, Ph.D., University of Chicago, 1993, Professor (Economics) — environmental economics, economic development, sustainability, climate change, urban growth

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

Lon Kurashige, Ph.D., University of Wisconsin, Madison, 1994, Associate Professor (Department of History) — Asian-American history, emigration/immigration, racial ideologies, ethnic identity politics.

Vanessa Osborne, Ph.D., University of California, Irvine, 2007, Writing Lecturer (Writing Program) — 20th Century American literature, popular culture.

Ann Owens, Ph.D., Harvard University, 2012, Assistant Professor (Department of Sociology) — spatial analysis, quantitative analysis, urban sociology, social stratification, social policy

Nathan Pancratz, Ph.D., Columbia University, 2011, Assistant Professor (History) — political and cultural history, eighteenth century North Atlantic, revolutions

Mansoor Rahimi, Ph.D., Virginia Polytechnic Institute, 1982, Associate Professor (Department of Industrial and Systems Engineering) — engineering sustainable systems, industrial ecology, design for environment, eco-industrial development

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

Cyrus Shahabi, Ph.D., University of Southern California, 1996, Professor and Interim Chair, Department of Computer Science (Departments of Computer Science and Electrical Engineering) — databases, GIS, multimedia

Kelly Shannon, Ph.D., Katholieke Universiteit Leuven, Professor and Director (Master of Landscape Architecture Program) — interpretive mapping, projective cartography, urbanism, landscape

Emily Smith-Greenaway, Ph.D., Penn State University, 2014, Assistant Professor (Sociology) — demography, infant and child mortality, African studies, health services

Tatiana Tatarinova, Ph.D., University of Southern California, 2006, Associate Professor (Research Pediatrics) — biogeography, bioinformatics, computational genomics, statistical modeling, genome annotation

COLORADO

UNITED STATES AIR FORCE ACADEMY

DEPARTMENT OF ECONOMICS AND GEOSCIENCES

DATE FOUNDED: 1964

DEGREES OFFERED: B.S.

GRANTED 9/1/16-5/31/17: 29

MAJORS: 108

DEPARTMENT HEAD: Colonel Jennifer C. Alexander, USAF


E-Mail: Steve.Gordon@usafa.edu

Internet: https://www.usafa.edu/department/economics-geosciences/

PROGRAMS AND RESEARCH FACILITIES: The mission of the United States Air Force Academy is to educate, train and inspire men and women to become officers of character, motivated to lead the United States Air Force in service to our nation. The Air Force Academy vision is to be the Air Force's premier institution for developing leaders of character.

The Geosciences program administers the Geospatial Science major (in full), the Foreign Area Studies—Geoscience major (interdisciplinary) and the Meteorology major (in conjunction with the Department of Physics).

Geospatial Science graduates distinguish themselves from other graduates by the conceptual framework in which they view the world. They leverage knowledge of cultural and physical processes and
digital modeling techniques to focus on the effects of space and place and interpret any landscape using an inherently geospatial approach.

The outcomes of the Geospatial Science major are: 1) Formulate a geospatial question, 2) Describe and explain the relevant physical and human data needed to answer a geospatial question, 3) Acquire, represent, and process relevant geospatial data, 3) Apply analytical models to interpret and explain the patterns, processes, and interrelationships represented by geospatial data, and 5) Assess and present results of geospatial analysis.

The Department of Economics and Geosciences also administers a professional certificate in geospatial intelligence (GEOINT) that is accredited by the United States Geospatial Intelligence Foundation (USGIF). The Department maintains the Geospatial Analysis Laboratory, a state-of-the-art resource for faculty and cadet research and coursework in geospatial analysis and remote sensing. The USAFA Meteorology Laboratory is also housed in the Department for faculty and cadet research in Meteorology and GIS.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester System. Admissions are extremely competitive with most students graduating near the top of their high school classes. A candidate must be a US citizen, must pass high academic standards, and must receive a nomination from his or her Federal senator or representative. Applications may be obtained from the Office of the Registrar, United States Air Force Academy, USAF Academy, CO, 80840 and more information can be found at http://www.academyadmissions.com/. All students are members of the United States Air Force and therefore receive salary and expenses. All graduates receive the B.S. degree and a commission as an officer in the USAF.

FACULTY:
Jennifer C. Alexander, Ph.D., University of Utah, 2004, Permanent Professor and Head — numerical weather prediction, aviation meteorology
Eric J. Cercone, M.S., Naval Postgraduate School, 2007, Assistant Professor and Director of Meteorology — meteorology, GIS, climatology
Justin D. Cook, M.A., University of Colorado, 2015, Instructor — population geography, human geography, GIS, geopolitics
Steven J. Gordon, Ph.D., Arizona State University, 1999, Associate Professor and Director of Geosciences — geomorphology, GIS, rock weathering, micrometeorology
Carl Frohman, M.A., University of Minnesota, 2001, Instructor — Asian geography, international relations, military geography
Terrence W. Havens, Ph.D., University of Minnesota, 1993, Professor — cultural geography, historical geography, North America, geopolitics
Thomas L. Koehler, Ph.D., University of Wisconsin, 1979, Associate Professor — synoptic and mesoscale meteorology, satellite meteorology
David Manhire, M.A., Ohio University, 1998, Instructor — population geography, human geography, geopolitics, regional geography
Evan Palmer, Ph.D., Arizona State University, 2014, Assistant Professor — GIS, geospatial thinking, mapping
Daniel Portillo, B.S., Lamar University, 1982, GIS Specialist/Cartographer — computer cartography, GIS, remote sensing
Sarah E. Robinson, Ph.D., Arizona State University, 2002, Assistant Professor — desert geomorphology, remote sensing, geochronology
Joseph Roziak, M.S., Naval Postgraduate School, 2009, Instructor — meteorology, GIS, climatology
Patricia Vollmer, M.S., Air Force Institute of Technology, 2002, Assistant Professor — geopolitics, meteorology, math, physics

UNIVERSITY OF COLORADO, BOULDER

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1927
GRADUATE PROGRAM FOUNDED: 1930
DEGREES OFFERED: B.A., M.A., Ph.D.
GRANTED 12/2015-05/2016: 76 Bachelors (UC Boulder only), 4 Masters, 6 Ph.D
STUDENTS IN RESIDENCE: 150 Majors, 23 Masters, 65 Ph.D.
NOT IN RESIDENCE: 12 Ph.D.
CHAIR: Emily Yeh
DEPARTMENT ADMINISTRATIVE ASST: Darla Shatto

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 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: http://geography.colorado.edu

PROGRAMS AND RESEARCH FACILITIES: The program aims to train scholars who will produce geographical knowledge, and 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 physical geography, human geography, GIScience, and environment-society geography. Research strengths include political ecology, natural hazards, and human dimensions of climate change; development geography, indigenous studies, medical and health geography, quantitative spatial analysis, and political geography; hydrologic science, climatology, cryospheric science, and biogeography; and geovisualization, remote sensing, and spatiotemporal modeling. 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 Institute of Behavioral Science (IBS), the Institute 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.

A department Internship Program is available for undergraduate students in Geography.

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. 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 December 1.

**FACULTY:**

Waled Abdalati, Ph.D. University of Colorado, 1996, Professor and Faculty Director of CIRES — remote sensing of Earth’s ice cover

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

Jennifer Balch, Ph.D. Yale, 2008, Assistant Professor — role of fire in the earth system, global change ecology, tropical forest ecology

Holly R. Barnard, Ph.D. Oregon State University, 2009, Associate Professor — ecohydrology, forest hydrology, tree physiology, stable isotope geochemistry

Peter D. Blanken, Ph.D. University of British Columbia, 1997, Professor — biometeorology, climatology, energy/water/carbon exchange

Joseph H. Bryan, Ph.D. UC- Berkeley, 2007, Associate Professor — critical cartography, indigenous politics in the Americas, human rights, development, struggles over territory

Barbara P. Battenfeld, Ph.D. University of Washington, 1984, Professor — GIS modeling, cartographic generalization, scale, visualization

Carson Farmer, Ph.D. National University of Ireland, Maynooth, 2011, Assistant Professor — computational GIS, science, spatio-temporal dynamics, spatial analysis methods in data-intensive big data research, open source software, transportation

Jennifer Fluri, Ph.D. Pennsylvania State University, 2005, Associate Professor — feminist geopolitics, development and security, gender, housing, Afghanistan, south Asia

María Goldman, Ph.D. University of Wisconsin, 2006, Associate Professor — political ecology, Science and Technology Studies, indigenous knowledge, pastoralism, conservation, East Africa and India

Najeeb Jan, Ph.D. University of Michigan, 2009, Assistant Professor — political Islam, Pakistan and contemporary Muslim world, security, sovereignty and militarization

Stefan Leyk, Ph.D. University of Zurich, 2005, Associate Professor — GIScience, uncertainty modeling, small area estimation, cartographic pattern recognition, land cover change, spatial dynamic modeling

Noah P. Molotch, Ph.D. University of Arizona, Tucson, 2004, Associate Professor — surface water and snow hydrology, ecohydrology, remote sensing

Timothy Oakes, Ph.D. University of Washington, 1995, Professor — cultural geography, cultural politics, China, tourism, heritage politics, urbanization

John V. O’Loughlin, Ph.D. Pennsylvania State University, 1973, Professor — political geography, former Soviet Union, nationalism, post-Communist societies, climate change and political violence in sub-Saharan Africa

John Pitlick, Ph.D. Colorado State University, 1988, Professor — surface water hydrology, fluvial geomorphology, water resources

Colleen Reid, Ph.D. UC-Berkeley, 2014, Assistant Professor — health effects of climate change, environmental and social epidemiology, spatial exposure assessment

Fernando Riosmena, Ph.D. University of Pennsylvania, 2005, Associate Professor — Mexico-US migration, social associate, international migration and health, Latin America, informal economy

Mark Serreze, Ph.D. University of Colorado, Boulder 1989, Professor and Director of National Snow and Ice Data Center — Arctic climate change, sea ice, science communication, cryosphere variability and climate change

Seth Spielman, Ph.D. SUNY Buffalo, 2008, Associate Professor — Geographic data science, spatial statistics, demographic and economic estimates, American cities

William Riebsame Travis, Ph.D. Clark University, 1981, Associate Professor — natural hazards, extreme events, decision-making for climate change, risk, American West

Yaffa Truelove, Ph.D. University of Cambridge, 2015, Assistant Professor — urban geography, water politics, feminist political geography, cities of the Global South, India

Thomas T. Veblen, Ph.D. UC-Berkeley, 1975, Professor — biogeography, forest ecology, fire dynamics and climate change, Latin America, New Zealand, dendrochronology, US West

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

Emily Yeh, Ph.D. UC-Berkeley, 2003, Professor — political ecology, Chinese development, Tibet and Himalayas, cultural politics and political economy

**ASSOCIATED FACULTY:**

Max Boykoff, Adjunct Associate Professor, Environmental Studies and CIRES

Paul Lander, Adjunct Assistant Professor

John Lenters, Adjunct Professor

Tania Schoenagel, Adjunct Assistant Professor, INSTAAR

Gregory Simon, Adjunct Associate Professor

**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

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**UNIVERSITY OF COLORADO, COLORADO SPRINGS**

**DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES**

**DATE FOUNDED:** 1973

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

**GRANTED 8/20/2015-5/20/2016:** 40 Bachelors; 4 M.A.

**STUDENTS IN RESIDENCE:** 260 Majors; 18 M.A.

**CHAIR:** Curt Holder

**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: cholder@uccs.edu

**PROGRAMS AND RESEARCH FACILITIES:** The University of Colorado at Colorado Springs is a growing campus of approximately 11,200 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 optional 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 a capstone course 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.ucdenver.edu/geography/. Follow the MA Program links. Also, you may contact David Havlick, Graduate Director at (719) 255-4906 or dhavlick@uccs.edu.

**FACULTY:**

Diep Dao, Ph.D., University of North Carolina – Charlotte, 2013, Assistant Professor — Geographic Information Science, Spatial analysis and modeling, urban regional analysis, GPS

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 — cultural, urban, GIS, Mexico

David Havlick, Ph.D., University of North Carolina, 2006, Professor — political ecology, militarization, ecological restoration and conservation

Curt Holder, Ph.D., Clark, 2000, Professor and Chair — ecophysiology, human-environment interactions, Latin America

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

Emily Skop, Ph.D., Arizona State University, 2002, Professor — urban, population, ethnic

Rebecca Theobald, Ph.D., University of Colorado, 2007, Assistant Research Professor — urban governance and public services, geography education, community geography

Brandon Vogt, Ph.D., Arizona State University, 2007, Associate Professor — geomorphology, GIS, rock weathering, geovisualization

Eric Billmeyer, M.A., University of Colorado, 2004, Senior Instructor — fluvial geomorphology, restoration, sedimentology, geospatial tools

George Bolling, M.A., University of Northern Colorado, 1980, Senior Instructor — geomorphology, glaciations

Carole J. Huber, M.A., University of Colorado, 1992, Senior Instructor — world regional, sustainability, sense of place

Michael P. Larkin, M.S., University of Colorado at Boulder, 2000, Senior Instructor — cultural geography, human geography

**EMERITAE:**

Eve Grantfest, 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, M.A. in Applied Geography and Geo-Spatial Science

**GRANTED 9/1/15–8/31/16:** 41 B.A. in Geography, 22 M.S. in E.S.

**STUDENTS IN RESIDENCE:** 179 Majors, 51 Masters

**CHAIR:** Deborah Thomas

**DEPARTMENT PROGRAM ASSISTANT:** Sue Elddeman

**DEPARTMENT ADMINISTRATIVE ASSISTANT:** Samantha Maslak

**FOR CATALOG AND UNDERGRADUATE APPLICATION SEE:** Admissions, University of Colorado, Denver, http://www.ucdenver.edu/apply/. For program brochures and other department information including admission to the graduate program contact: 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 140 programs spread over two campuses. Located in Downtown Denver, the Department of Geography and Environmental Sciences offers a BA in Geography, an MS in Environmental Science, and an MA in Applied Geography and Geo-Spatial Science. The department also offers a Certificate in GISc, a Certificate in Sustainable Urban Agriculture, and a Certificate in Environmental Science Education. Department research strengths are in both human and physical geography, though the faculty 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 campus and is a key player in the Facility for Advanced Spatial Technology (FAST) lab, which is a multidisciplinary laboratory providing state-of-the-art geospatial science technology for teaching. The lab has site licenses for the most advanced GIS, image processing and database management software available in the industry. In addition, the department has a new research-dedicated geo-spatial science laboratory and a community engagement studio space. 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. For admissions information, please see: http://www.ucdenver.edu/apply/. For financial aid, please see: http://www.ucdenver.edu/aid/

FACULTY:
Casey Allen, Ph.D., Arizona State, 2008, Associate Professor — biogeography, human-earth-systems interaction, geography and science education, Latin America and the Caribbean

Peter Anthamatten, Ph.D., Minnesota, 2007, Associate Professor — medical geography, spatial analysis, cartography, GIS, nutrition, public health

Christy Briles, Ph.D., University of Oregon, 2008, Assistant Professor — paleoecology, biogeography, climate change, palynology

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

Yi-Chia Chen, Ph.D., Louisiana State University, Instructor — political/cultural ecology, representation of heritage landscapes; geography of heritage tourism; construction of place identities

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

Matthew Cross, M.S., Instructor — remote sensing, GIS, climatology

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

Pamela Jansma, Ph.D., Northwestern, 1988, Professor and Dean — geosciences, Global Positioning System, active tectonics of the Caribbean region

Daniel Liptzin, Ph.D., Colorado Boulder, 2007, Sr. Instructor — terrestrial biogeochemistry, coupled nutrient cycles, ecosystem responses to environmental change

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

Bryan 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, Associate Professor — environmental governance, political ecology, science studies, political economy of development, environmental history, India, US West

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

Amanda Weaver, Ph.D., University of Denver, 2014, Sr. Instructor — urban geography, GIS, geographic education

Bryan Wee (Wee Shuo-Chang, Bryan; Wee Shuo-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, vulcanology, volcanic geology of Antarctica

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 9/1/14-8/31/15: 43 Bachelors (Geography), 11 Bachelors (Environmental Science), 22 Masters, Ph.D.

GEOGRAPHY STUDENTS IN RESIDENCE: 49 Majors, 9 Masters, 12 Ph.D.

NOT IN RESIDENCE: 75 Masters

ENVIRONMENTAL SCIENCE STUDENTS IN RESIDENCE: 88 Majors

CHAIR: Michael Keables

DEPARTMENT ASSISTANT TO THE CHAIR: Nicole Chauvet

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, and has a total enrollment of over 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 online 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 Palynology Lab, Soils Lab, Remote Sensing Lab, Climatology Lab, and a Special Projects Lab. The Department 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:

GRADUATE: 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 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, Nicaragua, and 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, Associate Professor — urban, economic, commuting, mixed-methods, GIS
J. Michael Daniels, Ph.D., University of Wisconsin, 2002, Associate Professor — geomorphology, environmental change, soils, hydrology
Andrew R. Goetz, Ph.D., Ohio State University, 1987, Professor — transportation, urban geography/planning, economic geography
Hillary Hamann, Ph.D., University of Colorado-Boulder, 2002, Teaching Associate Professor — hydrology, watershed biogeochemistry, physical geography, water resources, conservation
Helen Hazen, Ph.D., University of Minnesota-Twin Cities, 2006, Teaching Assistant Professor — health and environment, environmental conservation
Steven R. Hick, MA, University of Missouri, 1983, Professor of the Practice, Director, MS-GISc Program — geographic information science, project management, cartography, climatology
Michael J. Keables, Ph.D., University of Wisconsin-Madison, 1986, Associate Professor and Chair — climatology, water resources, climate variability
Michael W. Kerwin, Ph.D., University of Colorado, Associate Professor and Director, Environmental Science Program — Quaternary geology, dendroclimatology
Kristopher Kacera, Ph.D., San Diego State University, University of California, Santa Barbara, 2011, Teaching Assistant Professor — GIScience, Remote Sensing, Statistical Analysis
Jing Li, Ph.D., George Mason University, 2012, Assistant Professor — geovisualization, spatiotemporal data modeling, high performance geocomputation, web-based GIS
Nyantakyi-Frimpong, Hanson, Ph.D., The University of Western Ontario, Canada, 2014, Assistant Professor — human-environment interactions, climate change, environmental justice, Africa
Rebecca L. Powell, Ph.D., University of California-Santa Barbara, 2006, Associate 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, Professor — geographic information science (GISc), ecological economics, human-environment interactions, population geography
Matthew J. Taylor, Ph.D., Arizona State University, 2003, Associate Professor and Director of Graduate Studies — Latin America, political ecology, development
Erika Trigo Roso Rubio, Ph.D., University of Oxford, 2010, Teaching Assistant Professor — vulnerability and adaptation to climate change, geographic information science, Latin America

ADJUNCT FACULTY:

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

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 9/1/14-8/31/15: 44 Bachelors: 3 Masters
STUDENTS IN RESIDENCE: 182 Majors, 63 Masters
NOT IN RESIDENCE: 32 Masters
CHAIR: Richard W. Benfield
DEPARTMENT SECRETARY: Diane Cannata
FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Richard Benfield, 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: benfieldr@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 and Chairperson — Tourism, recreation, Europe, Russia & N.I.S
Charles Button, Ph.D., Cincinnati, 2003, Professor — Water resources, Environmental and Physical Geography
Timothy J. Garceau, Ph.D., Connecticut, 2015, Assistant Professor — Urban & Regional Planning, Transportation Planning, Urban Geography, Human Geography, Conservation, Historic Preservation
Peter A. Kwaku Kyem, Ph.D., Clark University 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 — Medical geography, Gender, Latin America
William R. Price, Ph.D., Kansas, 2014, Assistant Professor — Tourism, Oceania
Xiaoping Shen, Ph.D., Ottawa, 1995, Professor — Economic, China, GIS, Cartography
Brian J. Sommers, Ph.D., Arizona, 1994, Professor and Interim 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:
Michael Bonnardi, M.A., Sacred Heart University, 1994, Lecturer — Tourism and hospitality
William A. DeGracia, M.S., Western Connecticut, 1974, Lecturer — Introductory courses, teaching method
Randall Fivesh, M.A. pending, Eastern Kentucky University, Lecturer — Tourism

James Gambardella, M.A., Vermont, 1984, Lecturer — Air photo interpretation, soils and vegetation
Marvin Gonzalez, M.S., Central CT State University, 2012 — GIS
Angelina Kendra, Ph.D., Virginia Tech University, 2002, Lecturer — recreation and tourism
Laura Miller, M.S., Central Connecticut State University, 2012, Lecturer — Introduction to Geography
Donald Poland, Ph.D., University College London, M.S., Central Connecticut, 2000, Lecturer — Geography, comparative urbanism
Thomas E. Sherer, Jr., M.S., Central Connecticut, 1990, Lecturer — World Regional Geography, map reading and cartography
Dawn Tedesco, M.S., University of New Haven, 2009, Lecturer — Tourism and hospitality

MANCHESTER COMMUNITY COLLEGE

GLOBAL STUDIES DEPARTMENT
DATE Founded: 1963
DEGREES OFFERED: A.A. or A.S. in Liberal Arts with an emphasis in Economics, Geography, History or Political Science; A.S. in General Studies
DEGREES GRANTED (Or Expected) 9/1/16 – 8/31/17: ~40-50 A.A. degrees in Liberal Arts or General Studies with an emphasis in the Global Studies Disciplines
CHAIR: Guocun Yang, Ph.D.

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Global Studies Department, MS#4, Manchester Community College, P.O. Box 1046, Manchester, CT 06045-1046. Telephone (860) 512-2760. Email: kyker@mcc.commnet.edu. Internet: manchestercc.edu

PROGRAMS AND RESEARCH FACILITIES: The Global Studies Department offers students the opportunity to pursue a Liberal Arts or General Studies degree with an emphasis in the disciplines of economics, geography, history or political science. If a student decides to further her education at one of Connecticut’s State Universities, there are specific Transfer Programs in place (TAP) in each of these disciplines.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Admission to any of the TAP programs in the Global Studies Department is the same as that for admission to the College. In addition to the College General Education requirements, any student working toward a TAP degree, is required to complete additional courses specific to the discipline. If the student is not fulfilling a TAP degree, Liberal Art and General Studies students are encouraged to choose courses that are consistent and supportive to the discipline of interest.

FACULTY:
Valerie R. Kier, PhD., Indiana University, 1997, Professor — economic geography, trade, quantitative methods, cultural geography
DEPARTMENT OF GEOGRAPHY

DEGREES OFFERED: B.A., B.S., M.A., Ph.D., Graduate Certificate in GIS

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dean Hanink, Graduate Coordinator, Department of Geography, Unit 4148, 215 Glenbrook Road, Austin Building Room 422, Storrs, CT 06269-4148. Telephone (860) 486-3656, Fax (860) 486-1348. E-mail: dean.hanink@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 both an online and on-campus graduate certificate in GIS. The Department offers a broad program in geography with strong emphasis 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 MA and B.A./B.S. degrees, 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 other departments and programs across the university including, among others, the Center for Environmental Sciences and Engineering; Institute for Collaboration on Health, Intervention, and Policy, Department of Civil and Environmental Engineering in the College of Engineering; Department of Natural Resources and the Environment in the College of Agriculture, Health and Natural Resources; and the Connecticut State Data Center.

As a department in a major research university, the support facilities 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 three to four year course of study with a minimum 15 credits of coursework beyond the Master's degree, plus dissertation. Submission of GREs is strongly recommended for admission and required for applications for teaching and research assistantships. Applications for admission to the department's 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 December 15th each year.

FACULTY:
Carol Atkinson-Palombo, Ph.D., Arizona State, 2007, Associate Professor & Director, Environmental Studies — sustainable cities, urban transportation, renewable energy
William H. Berentsen, Ph.D., Ohio State, 1976, Professor — regional development and change, landscapes, Europe and U.S.A.
Mark Boyer, Ph.D., Maryland, 1988, Board of Trustees Distinguished Professor — globalization, global-local linkages, environmental policy, climate change, political economy
Amy Burnicki, Ph.D., Michigan, 2008, Assistant Professor-in-Residence in Geography and Department of Civil and Environmental Engineering — GIScience, quantitative methods, landslide science, spatial analysis and modeling
Tim Byrne, Ph.D., Univ. of Calif., Santa Cruz, 1981, 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, community assisted cartography
Debajyoti DasGupta, Ph.D., Ohio State, 2016, Assistant Professor — basin research, remote sensing, hydrology
Ken Foote, Ph.D., Chicago, 1982, Professor and Head — GIScience and visualization, interactive and multimedia cartography, landscape history, geography in higher education
Julie Fosdick, Ph.D., Stanford University, 2012, Assistant Professor in Geography and Center for Integrative Geosciences — sedimentary geology, thermochronology, and paleogeography
Deborah (Deb) Ghoosh, Ph.D., Minnesota, 2009, Assistant Professor — Health Geography, HIV/AIDS, drug use, GIScience, social network analysis, mixed methods
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, geocomputation, remote sensing, hydrology
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
William Quimet, Ph.D., Massachusetts Institute of Technology, 2007, Assistant Professor in in Geography and Center for Integrative Geosciences — geomatics, earth surface processes, human-environment interactions and landscape evolution
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, climate vulnerability, transportation, natural resources
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 President for Global Affairs — development geography; political ecology; GIS and society
Chuanrong Zhang, Ph.D., Wisconsin, Milwaukee, 2004, Professor — GIScience, remote sensing, spatial analysis

ASSOCIATED FACULTY:
Norman Garrick, Ph.D. Purdue, 1986, Associate Professor of Civil and Environmental Engineering — sustainable transportation and urban planning
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. (Meteorology and Climatology, Environmental Science), M.A. and M.S. (Geography), Ph.D. (Climatology, Geography), Graduate Geographic Information Science Certificate

GRANTED 9/1/15-8/31/16: 50 Bachelors, 4 Masters, 2 Ph.D.

STUDENTS IN RESIDENCE: 259 Majors (22 Geography, 135 Environmental Science, 86 Environmental Studies, 16 Meteorology and Climatology), 12 Masters, 10 Ph.D., 13 GIS Certificate

NOT IN RESIDENCE: 1 Masters, 3 Ph.D.

CHAIR: Delphis Levia

ASSISTANT TO THE CHAIR: Kaci Middlemas

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Delphis Levia, Chair, Department of Geography, University of Delaware, Newark, DE 19716. Telephone: (302) 831-2294. Fax (302) 831-6654 (Faxes should be directed to Delphis Levia). E-mail: info@geog.udel.edu, http://www.ceoe.udel.edu/schools-departments/department-of-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 three broad areas: climatology, ecohydrology, and human-environment interactions.

A recently created Ph.D. degree in Climatology, beginning Fall 2014, builds on the longstanding climatology tradition in the department with additional faculty and resources within the College of Earth, Ocean and Environment. The climatology faculty research focus on land/ocean/ice–atmosphere interactions, and climate dynamics and variability. The faculty employ a wide range of models, from cloud scale to climate scale, and use environmental observations including surface, upper air, and satellite data, along with state-of-the-art methods of analysis and modeling to study our climate system.

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 cryospheric studies (sea ice, glaciers, snowcover) and ecohydrology research (vegetation change, biogeochemical changes in forests, linkages between hydrology and ecosystem processes). A new human geography focused PhD encourages research in human-environmental relations, political ecology and in fieldwork at home and abroad. 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 the earth and atmosphere 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.

Ecohydrology 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 biogeochemical flows and the linkages between hydrology and ecosystem processes.

Cryosphere studies feature heavily in both climate and land-surface research, including snowcover and snowfall studies, glacier dynamics and variations, and sea-ice dynamics and development of sea-ice datasets.

Human geography faculty are examining the adaptations to a changing world focusing on topics of environment and society, sustainability and justice, and urbanization and development. Current research project include the study of Guatemalan immigration to Delaware and its impact on migrant and host communities, political ecology of health with an interest in the historical relationships between health and urbanization in the North American context, geographic and policy dimensions of development in western China (especially as they are related to water resources and climate change), and food and agricultural systems in Mexico (focus on how local actors interact with transnational development organizations to shape landuse policies and agricultural practices).

Field research and measurement provide a major tool of research in this department. The Delaware Environmental Observing System (DEOS) established and maintains over 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. Geographic studies are conducted as multiple scales from local to the global scale.

Research methods encompass analysis and synthesis of existing data, including data from observational networks, remote sensing sources, the census, modeling output, and other archival sources. Geographic Information Science (GIS) is used as an analysis and presentation tool in most 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 pride.
study by developing the student’s theoretical underpinnings of GIS and to develop their technical skills.

The University and Department cover student and faculty computing and computer network needs. All graduate student offices include department-provided workstations. The University provides licensed software sufficient for a wide variety of uses, including GIS, image processing, and statistical analysis software. The Geography Department operates the University’s GIS classroom as a state-of-the-art teaching facility. Departmentally owned workstations and data servers handle most of our data-intensive applications. A computer programmer/analyst assist with use of these resources. The Department’s computing resources are supplemented by high-end Unix servers and computer clusters at the University level and by supercomputer resources available through SURA-Grid, 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. Financial support is available through fellowships, research assistantships, and teaching assistantships. Financial support for entering graduate students is awarded on a competitive basis.

FACULTY:

Saleem H. Ali, Ph.D., MIT, 2000, Blue & Gold Distinguished Professor of Energy & Environment — environmental conflict resolution, resource geography, military geography
Cristina Archer, Ph.D., Stanford University, 2004, Associate Professor — renewable energy, wind power, meteorology, climate change, air quality, numerical modeling of atmospheric processes
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 — climatology, sea ice, GIS, remote sensing
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
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, Professor and Chair — biometeorology, ecophysiology, biogeochemistry, field methods and instrumentation, environmental management
Lindsay Naylor, Ph.D., University of Oregon, 2014, Assistant Professor — political geography, food and agricultural systems, critical development studies, critical geopolitics, Latin America
Sara Rauscher, Ph.D., University of Wisconsin-Madison, 2004, Assistant Professor — regional climate modeling dynamics, climate change and variability
April Veros, 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 and Director of the Environmental Science and Studies Program — regional modeling in Arctic/Antarctic, Arctic energy budget, cloud forcing and feedback, sea breeze, wind resource assessment, air-sea interactions

EMERITUS:

Edmund V. Bunkie
Frederick Nelson
Thomas Meierding
Peter Rees
Yda Schreuder
Curt Willmott

PROFESSIONAL ACADEMIC STAFF:

Anne Dienert, M.Ed., Delaware, 1990, Delaware Geographic Alliance, Office Manager & Elementary School Manager — geographic education
Mary Schorse, Ph.D., Delaware, 2015, Delaware Geographic Alliance, Secondary & High School Manager — geographic education
Kenji Matsuya, 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
Melinda Daniels, Ph.D., University of Illinois, 2003, Associate Research Scientist (affiliated appointment with Stroud Water Research Center) — fluvial geomorphology
Terri Lavine, Ph.D., University of Delaware, 1996, Adjunct Assistant Professor — climatology
Holly Michael, Ph.D., MIT, 2005, Associate Professor (joint appointment with Geological Sciences) — coastal groundwater dynamics, groundwater-surface water interaction, groundwater flow and solute transport modeling, water supply sustainability, geostatistical modeling of subsurface heterogeneity
Michael A. O’Neal, Ph.D, Washington, 2005, Associate Professor (joint appointment with Geological Sciences) — glacial and fluvial geomorphology, quaternary, geology and geochronology, USGS
James Pizzuto, Ph.D., Minnesota 1982, Professor (joint appointment with Department of Geological Sciences) — fluvial geomorphology
or of Arts in
Additional requirement is a senior
Rodrigo Vargas, Ph.D., 2007, University of California - Riverside,
Liza Giebel, IT Support Specialist
Colleen Dougherty, IT Director
David Coronado, Communications Director
Jennifer Cassidento, Publications Director
Niem Haynh, AAG Research Fellow
Jolene Keen, Research Associate
Michelle Ledoux, Membership Director
Candice Laebbering, Senior Research Geographer
Robin Maier, Journals Production Editor (The Professional Geographer)
Candia Mannozi, Deputy Director of Operations
Tari Martin, Director of Finance
Reach a O'Neal, Administrative Assistant
Becky Pendergast, Director of Design and Digital Products
Mark Revell, Workforce Development Specialist and Editor, AAG Guide
Douglas Richardson, Executive Director
Michael Solem, Senior Advisor for Geography Education
Kelsey Taylor, Research and Conference Assistant
Yonette Thomas, Senior Advisor
Elin Thorlund, Research Assistant
John Wertman, Senior Program Manager for Government Relations

DISTRICT OF COLUMBIA

AMERICAN ASSOCIATION OF GEOGRAPHERS

DATE FOUNDED: 1904
EXECUTIVE DIRECTOR: Douglas Richardson


PROGRAMS: The American Association of Geographers (AAG) was founded to promote and encourage geographic research and education and to disseminate research findings. The AAG currently counts over 11,000 members in the United States, Canada, and other countries throughout the world. 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 American Association of 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-four specialty groups, and six affinity groups; and through multiple conferences and its annual meetings. At its most recent Annual Meeting in Boston, Massachusetts in April 2017, over 6,900 research papers, interactive short papers, and illustrated papers were presented on numerous topics by more than 9,000 geographers who attended. The AAG's 2018 Annual Meeting will be held from April 10-14, 2018 in New Orleans, Louisiana. Professor Glen MacDonald of University of California, Los Angeles currently serves as president of the AAG. Professor Derek Alderman of University of Tennessee is vice president. Professor Sarah Bednarz of Texas A&M University is immediate past president. Additional details regarding AAG history and operations are contained in the AAG Handbook, available at http://aag.org/guide.

STAFF:
Julio Arguello, Social Media and Website Content Manager
Jennifer Cassidento, Publications Director
David Coronado, Communications Director
Colleen Dougherty, IT Director
Liza Giebel, IT Support Specialist

GEORGE WASHINGTON UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1945
DEGREES OFFERED: B.A., M.S.
GRANTED 9/1/15-8/31/16: 60 Bachelors, 11 Masters
STUDENTS IN RESIDENCE: 120 Majors, 27 Masters
CHAIR: Lisa Benton-Short
DEPARTMENT ADMINISTRATIVE ASST: Andrii Berdynyk

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 Science 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. Collaborative research between faculty and graduate students is a hallmark of the M.S. program, which emphasizes strong quantitative and research skills in geographical analysis. Students often co-author conference presentations and research publications. The M.S. program focuses on three areas of departmental expertise: the urban environment and sustainability; urbanization, migration and development; and applied geospatial techniques. A limited number of fellowships and teaching assistantships are available, as are internship possibilities with various agencies. The Department also offers a graduate GIS Certificate Program, a 12-credit program with rolling admission open to students who already have a B.A. or B.S. degree. Masters students may earn both the M.S. and the GIS Certificate simultaneously.

**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 and Chair of Geography — Urban Geography, Environmental Issues


Elizabeth Chucko, Ph.D., UCLA, 1997, Associate Professor of Geography — Population, Cultural and Urban Geography, South Asia

Joseph P. Dymond, M.S., Louisiana State University, 1999, M.S., Pennsylvania State University, 1994, Professor of Geography — Geographic Information Systems, Human, Political, and Latin American Geography

Ryan Engstrom, Ph.D., San Diego State University, 2005, Associate Professor of Geography — Physical Geography, Remote Sensing

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

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 Reissner, 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

Dmitry Streletskiy, Ph.D., University of Delaware, 2010, Assistant Professor of Geography — Climate Change, Arctic Environments, Geography of Russia, Periglacial Geomorphology, and GIS

Qin Yu, Ph.D, University of Virginia, 2012, Professorial Lecturer of Geography — Arctic Environments and Remote Sensing

**EMERITI:**

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

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

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**NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION**

**DATE FOUNDED:** 1915

**CHIEF EXECUTIVE OFFICER:** Zachary R. Dulli

**FOR FURTHER INFORMATION ABOUT NCGE PLEASE CONTACT:** The National Council for Geographic Education, 1775 I Street NW, Suite 1150, Washington, D.C. 20006-2402. Telephone: 202-587-5727. Fax: 202-618-6249. E-mail: ncge@ncge.org Internet: www.ncge.org

**PROGRAMS AND RESEARCH FACILITIES:** The National Council for Geographic Education is a nonprofit membership organization that works to strengthen the quality and effectiveness of geography teaching and learning. NCGE provides a global forum for educators of all levels to exchange ideas and engage in professional learning opportunities to improve their geography teaching practice. We provide the organizational structure needed to advance research in geography education. We publish journals, the National Geography Standards, and a variety of materials for diffusing research and best practices on geography education. We recognize exceptional educators and supporters in geography education. We lead and support a variety of educational and creative programs to support our members and advance global literacy.

**STAFF:**

Zachary R. Dulli, Chief Executive Officer

Melissa Lepak, Events Coordinator

Allison Hunt, Webinar Coordinator

Hanna Duke, Accountant

**OFFICERS:**

Gary M. Gress, President

Ellen J. Foster, Past-President

Audrey Mohan, President-Elect

Jeff Laish, Treasurer

June Purcell, Recording Secretary

Zachary R. Dulli, Chief Executive Officer

Ram Balasubramanian, Director

Seth Dixon, Director

Erin H. Foubert, Director

Kenneth H. Keller, Director

Charles Regan, Director

**EDITOR, JOURNAL OF GEOGRAPHY:**

Jerry T. Mitchell, Editor

**EDITOR, THE GEOGRAPHY TEACHER:**

Rebecca Theobald, Editor

**PATHWAYS PUBLICATION SERIES:** (Partial List)


Bock, Judith A., 2004. *Grades 3-8 Standards Based Lesson Models*

Dahmann, Donald D., 2011. *Geography in America’s Schools, Libraries, and Homes*


Estaville, Lawrence E., 2011. *Geography Undergraduate Programs: Pathways to Success*

Fraser, Celeste, 2002. *Grades K-4 Standards Based Lesson Models*

Gersch, Phil., 1996. *The Language of Maps*


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


U.S. DEPARTMENT OF STATE

OFFICE OF THE GEOGRAPHER AND GLOBAL ISSUES

DATE FOUNDED: 1929


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, migration, and refugee flows; national asylum and immigration policies; transboundary environmental and public health problems; humanitarian relief concerns; war crimes and atrocities prevention; food and water security; climate change; human and wildlife trafficking; 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.
Jo- Ellen Adkins, J.D., International law, University of Detroit Mercy School of Law Graduate of the London Law Program, specializing in international law B.A. – Journalism, Mass Communication, Political Science, University of Iowa, Director, National Geospatial-Intelligence Agency Support Team
Sydney A. Cross, M.A. Political Science, Howard University, 2012; B.A. International Affairs, Trinity Washington University, 2010; Foreign Affairs Analyst, Multilateral and Transnational Issues and Human Rights Division

Leo Dillon, M.S. Geography, University of South Carolina, 1984; Cartographer and Chief of the Geographic Information Unit, foreign geographic names
Eric R.M. Doornbos, M.A. in Security Studies, Georgetown University, 2015; B.A. in History and International Relations, Calvin College, 2013, International Boundary and Sovereignty issues
Aaron M. Ferreira, M.A. International Studies, University of Denver, 2011; B.A. International Studies, University of South Carolina, 2006; Analyst- Conflict and Stabilization Operations, Civilian Security
Christine Fellenz, B.A., University of Wisconsin-Parkside, 1996; Cartographer, Humanitarian Information Unit
Timothy Fitzgibbons, MSc, Development Studies, London School of Economics, 2005, A.B. Government and Asian Studies, 1997, Dartmouth College; Chief, Multilateral and Transnational Issues and Human Rights Division
Debbie Fugate, PhD Geography, San Diego State University and the University of California, Santa Barbara, 2008; MA Geography, San Diego State University, 2003; BA Geography, San Diego State University, 2001. Deputy Office Director and Humanitarian Information Unit Chief
Kimberly Garner, B.A. in Russian, University of Tennessee, 1991, Executive Officer, National Geospatial-Intelligence Agency Support Team.
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.
Meredith L. Gore, PhD, Natural Resource Policy and Management, Cornell, 2006; MS Environment and Resource Policy, George Washington University, 2001; BA Anthropology and Environmental Studies, Brandeis University, 1999. Jefferson Science Fellow - Human dimensions of natural resource management, conservation criminology, environmental risk
Sukhraj Kaur, M.A. Political Science, George Mason University, 2015; BA Government and International Politics, George Mason University, 2013; Humanitarian Analyst, Humanitarian Information Unit
Adrienne Keen, Ph.D. Infectious Disease Modeling and Epidemiology, University of London, 2013; M.S. Ecology, Evolution, and Behavior, University of Minnesota, 2007; B.S. Biological Sciences and B.A. Physiology, University of Minnesota, 2004 — Global Health, Environment, and S&T Analyst
Melinda J. Laituri, Ph.D., University of Arizona, 1993; M.S. California State University, Chico, 1983; B.A. University of California, Berkeley, 1979, Science Advisor, Humanitarian Information Unit; Professor, Colorado State University – geographic information systems, water resource management, watershed science, disaster management, indigenous peoples, local knowledge systems
Ryan Latgis, B.S. Geographical Sciences: GIS/Computer Cartography, University of Maryland, 2016; Humanitarian Researcher, Humanitarian Information Unit
James Liddle, BA Mathematics and History, Bucknell University, 1996; Deputy Director, Humanitarian Information Unit
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; Foreign Affairs Research Analyst, Trafficking in Persons – global women’s issues, international justice and accountability
Brooke E. Marston, M.S. Geography and graduate certificate in Geographic Information Science, Oregon State University, 2014; B.A. Geography and B.M. Woodwind Performance, University of Colorado Boulder, 2012; Cartographer, Geographic Information Unit
Andrew McKenna, B.A. Geography and International Affairs, University of North Carolina at Chapel Hill, 2012; Analyst, Humanitarian Information Unit
Michael D. Morin, M.A. George Washington University, 1987; B.A. University of Maine-Orono, 1984; Foreign Affairs Analyst – international justice and accountability, war crimes, atrocity prevention
Kathleena M. Mumford, B.A. Geography, George Washington University, 2012; Analyst, Humanitarian Information Unit
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
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
Rod Schoonover, PhD Chemical Physics, University of Michigan, 1993; B.S. Chemistry, B.S. Physics, University of Kansas, 1987; Science and Technology Analyst
Jonathan K. Simmons, Lieutenant Colonel, US Army; M.A. International Relations, Rice University, 2015; M.A. National Security and Strategic Studies, US Naval War College, 2010; M.S. Geology and Geophysics, Missouri University of Science and Technology 2001; B.S. Geophysics, Virginia Polytechnic Institute and State University 1995; Department of Defense Liaison/Analyst-Humanitarian Information Unit
Christine Lamers Somer, BA Cultural Geography, Illinois State University, Deputy Director, National Geospatial-Intelligence Agency Support Team
Gene Thorp, B.A. Geography and B.A. History, University of Maryland Baltimore County, 1992; Cartographer, Geographic Information Unit
Karen A. Tokarsky, M.A. Clinical Psychology, Marshall University, 1985; B.S. Psychology, Indiana University of Pennsylvania, 1983; Administrative Officer
Gary W. Tripmacher, M.A. in International Affairs, George Washington University, 2009; B.A. in History, Boston College 2002; Analyst - UN; International Organizations
Rhys A. Young, B.A., Geography, George Washington University, 2016; Cartographer, Humanitarian Information Unit
Ashley B. Zung, Ph.D., Geography, University of Kansas, 2013; M.A., Geography, University of Kansas, 2008; B.S., Journalism, University of Kansas, 1998; B.A., Communication Studies, University of Kansas, 1998; Food Security Analyst — food security, environmental issues, and humanitarian issues in Africa

FLORIDA

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 (GSS)


MAJORS: 25 Geography B.A.; 347 Sociology/Anthropology B.A.; 6 GSS M.A.; 59 GSS Ph.D.

HEAD: Guillermo Grenier

DEPARTMENT OFFICE MANAGER: Dominic Lomando

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Florida International University’s Department of Global & Sociocultural Studies, 11200 S.W. 8 Street, SIPA 340, Miami, FL 33199 – Telephone: (305)-348-2247 – Fax: (305)-348-3605 – Email: gss@fiu.edu – Website: 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 the Steven J. Green School of International and Public Affairs. The Department 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 is a graduate certificate in Geographical Information Systems (GIS). Facilities: The Department is located in the Green School of International and Public Affairs Building situated in the center of the campus. The building features state-of-the-art classrooms, faculty offices, a graduate student office suite, a 500-seat auditorium with simultaneous translation booths, two language labs, 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 Steven J. Green School of International and Public Affairs. 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 FIU’s 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:


Young Rae Choi, Ph.D., Ohio State University, 2015, Assistant Professor [GEO] — Marine and coastal governance, political ecology, East Asia

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

Roderick Neumann, Ph.D., University of California-Berkeley, 1992, Lecturer [SOC] — Political geography, cultural geography, political ecology, social movements, Latin America, Colombia, cultural politics of blackness, forced displacement, geopolitical discourses on terror

Ulrich Oslen, Ph.D., University of Glasgow, 2001, Associate Professor [GEO] — Political geography, cultural geography, political ecology, social movements, Latin America, Colombia, cultural politics of blackness, forced displacement, geopolitical discourses on terror

Mark Padilla, Ph.D., Emory University, 2003, Associate Professor [ANT] — Critical medical anthropology, global health, Latin America, Caribbean, Dominican Republic, tourism studies, gender/sexuality studies, HIV/AIDS research and prevention, mixed methods research on health inequities

Yunus B. Saner, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Peter Craumer, Ph.D., Columbia University, 1988, Associate Professor [GEO] — Marine and coastal governance, political ecology, East Asia

Vrushali Patil, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Matthew Marr, Ph.D., University of California-Los Angeles, 2007, Associate Professor [SOC] — Urban sociology, Japanese society, qualitative research methods, globalization, poverty, public sociology; Japan, United States

Alexander Glotter, Ph.D., Harvard University, 2008, Instructor [ANT] — Political geography, cultural geography, political ecology, landscape and identity, nature-society, social theory, Africa, Europe

Ulrich Oslen, Ph.D., University of Glasgow, 2001, Associate Professor [GEO] — Political geography, cultural geography, political ecology, social movements, Latin America, Colombia, cultural politics of blackness, forced displacement, geopolitical discourses on terror

Mark Padilla, Ph.D., Emory University, 2003, Associate Professor [ANT] — Critical medical anthropology, global health, Latin America, Caribbean, Dominican Republic, tourism studies, gender/sexuality studies, HIV/AIDS research and prevention, mixed methods research on health inequities

Yunus B. Saner, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Peter Craumer, Ph.D., Columbia University, 1988, Associate Professor [GEO] — Marine and coastal governance, political ecology, East Asia

Vrushali Patil, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Jorge Duany, Ph.D., University of California, 1985, Professor [ANT] — Indigenous social movements, globalization, environmental anthropology, political ecology; Amazonia, the Andes, Ecuador, Peru

Christopher Girard, Ph.D., University of Wisconsin-Madison, 1988, Associate Professor [ANT] — Labor relations, sociology of work, ethnicity, immigration; United States, Cuba/Latin America

Kevin Grove, Ph.D., Ohio State University, 2011, Assistant Professor [GEO] — Environmental security, development, geopolitics, Caribbean political economy, vulnerability, adaptation and resilience, urban political ecology

Percy Hintzen, Ph.D., Yale University, 1981, Professor [SOC] — Comparative political sociology, postcolonial studies, political & economic development, Caribbean political-economy, diaspora studies, African studies, critical methodology

Andrea Queelley, Ph.D., City University of New York, 2007, Associate Professor [ANT] — Cultural anthropology, social inequality, black popular culture, anthropological fieldwork, African diaspora studies, the Caribbean

Richard Tardanico, Ph.D., Johns Hopkins University, 1979, Associate Professor [SOC] — Political economy of development, urban sociology; Latin America

Nelson Varas-Diaz, Ph.D., University of Puerto Rico, 2002, Professor [SOC] — Social stigmatization of disease (e.g. HIV/AIDS), marginalized groups (e.g. transgender individuals) and cultural practices (i.e. heavy metal music, religion); Research Methods, Caribbean Region

Andrea Queelley, Ph.D., City University of New York, 2007, Associate Professor [ANT] — Cultural anthropology, social inequality, black popular culture, anthropological fieldwork, African diaspora studies, the Caribbean

Jean Rahier, Ph.D., University of Paris, 1994, Professor [ANT] — Race relations, African studies; Africa, Latin America

Andrea Queelley, Ph.D., City University of New York, 2007, Associate Professor [ANT] — Cultural anthropology, social inequality, black popular culture, anthropological fieldwork, African diaspora studies, the Caribbean

Jean Rahier, Ph.D., University of Paris, 1994, Professor [ANT] — Race relations, African studies; Africa, Latin America

Economic and cognitive anthropology, public opinion research, research methods; West Africa, Mesoamerica

Ricardo Gonzalez, Ph.D., University of Hawaii, 2008, Instructor [GEO] — Coastal/Marine Geography, Political Ecology, Cultural Geography, Latin America, Caribbean, Europe

Guillermo Grenier, Ph.D., University of New Mexico, 1986, Professor [SOC] — Labor relations, sociology of work, ethnicity, immigration; United States, Cuba/Latin America

Kevin Grove, Ph.D., Ohio State University, 2011, Assistant Professor [GEO] — Environmental security, development, geopolitics, Caribbean political economy, vulnerability, adaptation and resilience, urban political ecology

Percy Hintzen, Ph.D., Yale University, 1981, Professor [SOC] — Comparative political sociology, postcolonial studies, political & economic development, Caribbean political-economy, diaspora studies, African studies, critical methodology

Gail Hollander, Ph.D., University of Iowa, 1999, Associate Professor [GEO] — Economic geography, agro-environmental conflict, food system theory, feminist geography; North America and the Caribbean

Andres Kincard, Ph.D., Johns Hopkins University, 1987, Associate Professor [SOC] — Political sociology, urban/rural sociology, sociology of development; Central America, Latin America

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

Abraham Lavender, Ph.D., University of Maryland, 1972, Professor [SOC] — Ethnicity and minority groups, Sephardic studies, Crypto-Jewish studies, social deviance, human sexuality, urban sociology; South Florida

Katherine Lineberger, Ph.D., University of Colorado at Boulder, 2009, Instructor [SOC]

Shearon Lowery, Ph.D., Washington State University, 1979, Associate Professor [SOC] — Social deviance, mass communications, juvenile delinquency, criminology

Sarah Mahler, Ph.D., Columbia University, 1992, Associate Professor [ANT] — Urban anthropology, cultural anthropology, physical anthropology; Latin America, Caribbean, North America

Matthew Marr, Ph.D., University of California-Los Angeles, 2007, Associate Professor [SOC] — Urban sociology, Japanese society, qualitative research methods, globalization, poverty, public sociology; Japan, United States

Rodrick Neumann, Ph.D., University of California-Berkeley, 1992, Professor [GEO] — Political ecology, landscape and identity, nature-society, social theory, Africa, Europe

Ulrich Oslen, Ph.D., University of Glasgow, 2001, Associate Professor [GEO] — Political geography, cultural geography, political ecology, social movements, Latin America, Colombia, cultural politics of blackness, forced displacement, geopolitical discourses on terror

Mark Padilla, Ph.D., Emory University, 2003, Associate Professor [ANT] — Critical medical anthropology, global health, Latin America, Caribbean, Dominican Republic, tourism studies, gender/sexuality studies, HIV/AIDS research and prevention, mixed methods research on health inequities

Yunus B. Saner, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Peter Craumer, Ph.D., Columbia University, 1988, Associate Professor [GEO] — Marine and coastal governance, political ecology, East Asia

Vrushali Patil, Ph.D., University of Maryland, 2006, Associate Professor [SOC] — Gender, sexuality, culture, transnationalism, feminist theory

Jorge Duany, Ph.D., University of California, 1985, Professor [ANT] — Indigenous social movements, globalization, environmental anthropology, political ecology; Amazonia, the Andes, Ecuador, Peru

Christopher Girard, Ph.D., University of Wisconsin-Madison, 1988, Associate Professor [ANT] — Labor relations, sociology of work, ethnicity, immigration; United States, Cuba/Latin America

Kevin Grove, Ph.D., Ohio State University, 2011, Assistant Professor [GEO] — Environmental security, development, geopolitics, Caribbean political economy, vulnerability, adaptation and resilience, urban political ecology

Percy Hintzen, Ph.D., Yale University, 1981, Professor [SOC] — Comparative political sociology, postcolonial studies, political & economic development, Caribbean political-economy, diaspora studies, African studies, critical methodology

Andrea Queelley, Ph.D., City University of New York, 2007, Associate Professor [ANT] — Cultural anthropology, social inequality, black popular culture, anthropological fieldwork, African diaspora studies, the Caribbean

Jean Rahier, Ph.D., University of Paris, 1994, Professor [ANT] — Race relations, African studies; Africa, Latin America

Andrea Queelley, Ph.D., City University of New York, 2007, Associate Professor [ANT] — Cultural anthropology, social inequality, black popular culture, anthropological fieldwork, African diaspora studies, the Caribbean

Jean Rahier, Ph.D., University of Paris, 1994, Professor [ANT] — Race relations, African studies; Africa, Latin America

Dennis Wiedman, Ph.D., University of Oklahoma, 1979, Clinical Professor [SOC] — Medical anthropology, organizational culture, environment anthropology, urban anthropology, ethnohistorical research methods, applied anthropology; Native Americans

FLORIDA STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1925

GRADUATE PROGRAMS FOUNDED: M.A. 1930, Ph.D. 1995, M.S. GisScience 2006

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

GRANTED 8/31/2004-3/31/17: 32 M.A., 142 M.S. 52 Ph.D.

STUDENTS IN RESIDENCE: 266 Majors, 35 Masters, 34 Ph.D.

CHAIR: James B. Elsner

GRADUATE DIRECTOR: Victor Mesev

DEPARTMENT ADMINISTRATIVE ASSISTANT: Audrey Nichols

FOR FURTHER INFORMATION: Graduate School (www.gradschool.fsu.edu) and Geography Graduate Director, Dr. Victor Mesev (850-645-5913, vmesev@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.geography.fsu.edu
PROGRAMS AND RESEARCH FACILITIES: Geography at Florida State University investigates critical issues dealing with geospatial inquiry and human-environment interaction. Particular focus is given to methodological and theoretical studies relating to: cities & urban flows; black geographies; climate change, risk & society; urban GIS & remote sensing; and biodiversity, conservation & management. Recent geospatial research includes land use modeling, image classification, transportation optimization, regionalization, time series analysis, network analysis, dasymetric models, neural nets, Bayesian probabilities, landscape dynamics, fractal geometry, and scale dependence. Human-environmental research examines the human costs and physical damage from hurricanes and tornadoes, changing biodiversity and ecosystems, flood frequency, coastal habitats, marine conservation and protection, energy consumption, environmental health and justice, waste management, urban political ecology, race and labor geographies, black and ethnic injustice, population vulnerability, and policies for natural resource management. The undergraduate program in Geography consists of 34 semester hours, and the interdisciplinary STEM program, Environment & Society requires 41 semester hours. The master's program in geography comprises of 33 semester hours; the thesis is defended orally. The professional master's program GIScience consists of 32 credit hours, contains a capstone, and may be completed within one calendar year. Research and teaching are conducted in two fully-equipped and purpose-built GIS labs with all major GIS and remote sensing proprietary software, as well as dedicated GIS teaching assistants. The Ph.D. degree requires 33 credit hours, and courses in geographic philosophy, research methods, quantitative/qualitative approaches, along with a course on professional development. A comprehensive examination contains written and oral components, and the dissertation requires 24 credit hours as well as an oral defense upon completion. Recent masters and doctoral recipients have been placed in academic positions, state/federal environmental agencies, and private software companies. The Department also enjoys productive relationships with institutions such as, Florida Resources and Environmental Analysis Center, Institute for Government, Fish & 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 at least 144 (quant) and 153 (verbal). Non-native English speakers need a TOEFL of 550 (PBT) or 80 (IBT). Funding for graduate assistantships is available at the current rate of $17,340-$19,840 per academic year, plus tuition waiver. Other sources of funding include research assistantships, university fellowships, online mentoring, and internships with local and state institutions.

FACULTY:
Adam Bledsoe, Ph.D., North Carolina-Chapel Hill, 2016, Assistant Professor — black geographies, race & ethnicity, social justice, Latin America
Ronald Doel, Ph.D., Princeton, 1990, Associate Professor of History — environmental history, international relations, Arctic
James Elsner, Ph.D., Wisconsin-Milwaukee, 1988, Earl B. & Sophia H. Shaw Professor & Chair — 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
Sarah Lester, Ph.D., California-Santa Barbara, 2007, Assistant Professor — marine conservation, biogeography, macroecology, sustainable seafood
Tyler McCreary, Ph.D., York, Canada, 2014, Assistant Professor — race & indigeneity, environmental justice, political ecology, legal & labor geographies
Victor Mesev, Ph.D., Bristol, England, 1995, Harrison V. Chase Distinguished Professor & Graduate Director — GIS, remote sensing cartography, urban analytics
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
Wylie Wright, Ph.D., North Carolina-Chapel Hill, 2017, Assistant Professor — black geographies, race & ethnicity, social justice, ecocriticism
Xiaojun Yang, Ph.D., Georgia, 2000, Professor — remote sensing, GIS, urban ecology, coastal ecosystems
Tingting Zhao, Ph.D., Michigan, 2007, Associate Professor — GIS, energy, sustainability

ADJUNCT FACULTY:
Genevieve Brackins, Ph.D., Florida State, 2014 — geographies of gender, environment & justice
George Cole, Ph.D., Florida State, 2007 — land survey methods, GPS
Madeleine Hart, M.S., Florida State, 2012 — GIS, water resources
Catherine Howard, Ph.D., Walden, 2010 — medical geography, epidemiology, public health
Loury Migliorelli, M.S., Florida State, 2014 — biogeography
Richard Miller, Ph.D., Wisconsin-Milwaukee, 1987 — landforms, US national parks
Laurie Molina, Ph.D., Florida State, 1997 — geographic education
Sean Nickerson, M.S., Florida State, 2015 — GIS, spatial databases, drone mapping
Nicholas Quinton, Ph.D., Florida State, 2014 — electoral geography, economic geography
Scott Weissman, M.S., Florida State, 2007 — GIS, local government

UNIVERSITY OF FLORIDA

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1941

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.A., B.S., B.S. in Environmental Geosciences, B.A. and B.S. in Medical Geography in Global Health, M.A., M.S., Ph.D.

STUDENTS IN RESIDENCE: 81 Majors, 11 Masters, 39 Ph.D.

CERTIFICATES: Geospatial Information Analysis, Digital Geography & GIS, Meteorology and Climatology, Applied Atmospheric Sciences

CHAIR: Jane Southworth

DEPARTMENT ADMINISTRATIVE ASST: Desiree Price

FOR CATALOG AND FURTHER INFORMATION CONTACT: Dr. Cynthia Simmons email: csimmons@ufl.edu, Graduate Coordinator or Desiree 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 four main areas of specialization for undergraduate training and graduate research:
Focus Area 1: Geospatial Analysis and Techniques. Modeling, Measurement, Visualization and Computation: techniques for the collection, analysis, manipulation, interpretation and display of geospatial data, using tools such as GIS, Remote Sensing, GPS, and Spatial Statistics. A variety of software is utilized such as ARCGIS, R, ERDAS Imagine, ENVI, Python, Java, C++, Matlab, SQL, SPSS, Google Earth Engine, NOAA’s Weather and Climate Toolkit and more. Many courses are taught within our own geospatial analysis labs or flipped classroom environment space.

Focus Area 2: Medical Geography in Global Health (MGGH). Medical geography, an important area of health research, applies concepts, methods, and techniques from geography to investigate health-related topics across the world, focusing on spatial aspects of human and animal (livestock and wildlife) disease and health intervention.

Focus Area 3: Earth System Science. This is the science of the atmosphere, land, biota, and water from a geospatial perspective. By combining hot topic or contemporary issues such as climate change, environmental extremes, and hazards, this focus area emphasizes the integrative nature of physical and environmental geography. These are the biophysical science questions that help drive management and policy.

Focus Area 4: Global, Environmental, and Social Change. This focus covers the areas of (a) Politics and the Environment; (b) Resources, Environment and Society; and (c) Regional and Global: Economic, Political, Demographic, and Social Change.

(a) Politics and the Environment - Environmental issues are increasingly politicized. This section will investigate the two-way interactions between politics and environmental change at local, national and international scales. Political Ecology is one frame to understand multi-scale interactions from the global to the local level and how it unfolds in specific places, presenting social and environmental challenges.

(b) Resources, Environment and Society - Generating, managing, and sustaining resources and coping with the consequences of their use have and will continue to be one of the main challenges confronting human societies. In this section we engage the dynamics of environmental security, including food, water, energy, and biodiversity, and challenges from local to global scales. Understanding the coupling of natural and human systems is essential to ensure a resilient future for humans and ecosystems.

(c) Regional and Global: Economic, Political, Demographic, and Social Change - The world in becoming increasingly integrated and globalized, but retains tremendous cultural and environmental diversity. In this section we explore multiple dimensions of economic, political, demographic, and social change and interconnection in the world’s major regions (Africa, Latin America, Asia, And Europe). We also examine forces and factors affecting international business, trade, immigration, and global production and consumption networks.

The department has state-of-the art GIS, remote sensing, and computer cartography facilities, with two fully equipped teaching laboratories, a 3D printing facility, a flipped classroom, 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 Latin American 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., M.S. 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 $16,800 plus tuition waiver for the nine month academic year and at about $2,600 for a 6-week summer semester. A limited number of fellowship awards for highly qualified applicants may carry stipends of $25,000. 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 1.

The University also awards on a competitive basis a number of fellowships and scholarships for which new geography graduate students are often eligible. 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 1.

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, Associate Professor — medical geography, spatial aspects of zoonotic diseases, species distribution modeling, central Asia, North America, southern Africa
Bryan 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 — 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 and Director of the Center for African Studies — tropical agriculture and land use, Africa, resources and conservation
UNIVERSITY OF SOUTH FLORIDA

SCHOOL OF GEOSCIENCES
DATE FOUNDED: 2013 (1965 for former Department of Geography)

DEGREES OFFERED: B.A., M.A., in Geography, B.S., M.S. in Environmental Science and Policy, Ph.D. in Geography and Environmental Science & Policy, B.A., B.S., M.S., Ph.D. in Geology.

GRANTED 2016/2017: Geography/ESP: 170 Bachelors, 16 Masters, 5 Ph.D.; Geology: 12 Bachelors, 4 Masters, 3 Ph.D

STUDENTS IN RESIDENCE (All School Programs) 2016/2017: 700 Majors, 45 Masters, 94 Ph.D.

CHAIR: Mark Rains, Ph.D.
ASSOCIATE CHAIR: Joni Firat, Ph.D.

DEPARTMENT OFFICE ADMINISTRATOR: Mandy K. Stuck

ADDITIONAL INFORMATION: School of Geosciences, College of Arts and Sciences, University of South Florida, 4202 E. Fowler Ave., NES107, Tampa, Florida 33620. Telephone (813) 974-2236. Fax (813) 974-4808.

Internet: http://hennarot.forest.usf.edu/main/depts/geosci/

GEOGRAPHY AND ENVIRONMENTAL SCIENCE & POLICY PROGRAMS AND RESEARCH FACILITIES: Geography is a diverse and intellectually vibrant program within the School that is committed to excellence in geographic research and scholarship, as well as student success at both the undergraduate and graduate levels. Research opportunities and course offerings emphasize three major themes: 1) human geography, 2) environmental geography, and 3) GIS/remote sensing of natural and social environments, health/medical geography, water resources, wildlife ecology, natural hazards, and international development and planning.

The mission of the Environmental Science and Policy program is to conduct basic and applied research; provide exceptional, quality education and professional development opportunities at the undergraduate and graduate levels; and serve the region, community, and the university. Teaching and research themes focus on: 1) environmental processes and policy, 2) environment, sustainable communities, and water issues, 3) globalization and international development, and 4) urban and regional development and planning. Programs in this division maintain a strong international focus and undertake research in many settings in North America and throughout the world, particularly Africa, the Middle East, Europe, and Latin America. These programs also encourage engaged teaching and scholarship within communities and have strong connections with community partners in the Tampa Bay region and many other locations around the world.

The Department offers the B.A. and M.A. in Geography, the B.S. and M.S. in Environmental Science and Policy, and the Ph.D. in Geography and Environmental Science and Policy, in addition to Graduate Certificates in GIS, Urban Studies, and Environmental Management. For information on graduate programs in Geography and in Environmental Science and Policy, please contact Dr. Kamal Alsharif, 813-974-4883, kahshri@usf.edu.
ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University of South Florida operates on a two semester academic year and three overlapping summer sessions.

Undergraduate: Freshmen: 3.0 High School GPA with 19 academic units; 2.5-2.9 with 900 SAT; 2.0-2.5 GPA with 1050 SAT. Juniors/Seniors: AA degree or 60 college credits with 2.0 or better GPA and satisfaction of foreign language requirement.

Graduate: Admission to the Master’s and Ph.D. programs requires a GPA of at least 3.0 in the final two years of undergraduate preparation and the submission of GRE scores. Students must also submit a letter outlining their research interests and background.

Financial Aid: A variety of financial aid sources is available for both undergraduate and graduate students based primarily on academic achievement. Graduate assistantships are available for a limited number of students and require approximately 20 hours of work per week for Geography and/or Environmental Science & Policy.

FACULTY:

Geography and Environmental Science & Policy
Fenda Akiwumi, Ph.D., Texas State University, 2006, Associate Professor — resource use and policy, sustainability and environment, water, mining, African development, cultural diversity
Kamal Alsharif, Ph.D., University of Minnesota, 2004, Associate Professor — water resources, environmental policy, non-point source pollution, hydropolitics, Middle East
Martin Bosman, Ph.D., University of Kentucky, 1999, Associate Professor — urban, economic, social theory, globalization
Jennifer Collins, Ph.D., University College London (England), 2002, Associate Professor — meteorology, hazardous weather events, climate change
Joni Firat, Ph.D., Florida State University, 2008, Associate Professor — geographic information systems, spatial analysis and modeling, wildlife and forest ecology
Yujie Hu, Ph.D., Louisiana State University, 2016, Assistant Professor — GIScience
Shawn Landry, Ph.D., University of South Florida, 2013, Research Associate Professor — hydrology, GIScience, remote sensing
Connie Mczak, Ph.D., University of South Florida, 2004, Instructor — air pollution, risk assessment, estuarine eutrophication, environmental policy
Ambe J. Njoh, Ph.D., University of London (England), 1990, Professor — research methods/quantitative analysis, transportation policy and planning, political economy of water and sanitation systems, sustainable development theory and practice
Ruiliang Pu, Ph.D., Chinese Academy of Sciences/University of California, Berkeley, 2000, Associate Professor — remote sensing, GIS, ecosystem analysis
Steven Reader, Ph.D., University of Bristol (England), 1989, Associate Professor — GIScience, spatial statistics, spatial epidemiology, health geography
Graham A. Tobin, Ph.D., University of Strathclyde (Scotland), 1978, Professor — natural hazards recovery, water resources
Philip Van Beynen, Ph.D., McMaster University (Canada), 1999, Associate Professor — Karst environments pertaining to paleoclimate change, human disturbance, environmental indices and sustainability, sedimentology
Laurie Walker, M.S., University of South Florida, 1998, Director, USF Botanical Gardens — evolutionary and phylogeographic studies of Florida upland plants, Florida ecosystems, urban landscaping and sustainability
Elizabeth Walton, Ph.D., University of North Carolina – Greensboro, 2009, Instructor — GIScience, cartography, ecological modeling

Geology
H. Leonard Vacher, Ph.D. — Geoscience Education, Karst/Hydrogeology/Quantitative Literacy
Jeffrey G. Ryan, Ph.D. — Igneous and Metamorphic Petrology, Geochemistry, Geoscience Education
Charles Connor, Ph.D. — Volcanology, Natural Hazard Assessment, Geophysics
Ping Wang, Ph.D. — Coastal Geology and Sedimentology
Tim Dixon, Ph.D. — Geodesy, Remote Sensing and Natural Hazards
Steve McNutt, Ph.D. — Volcano Seismology
Sarah Kruse, Ph.D. — Near-surface and environmental geophysics
Mark Rains, Ph.D. — Hydrogeology and Ecohydrology
Greg Herbert, Ph.D. — Paleontology and Paleobiology
Bogdan Onac, Ph.D. — Karst mineralogy, climate change, sedimentary geology
Paul Wetmore, Ph.D. — Structural Geology, Tectonics
Rocco Malservisi, Ph.D. — Geodesy, geophysics and tectonics
Matthew Pasek, Ph.D. — Aqueous geochemistry and planetary geology
Sylvain Charbonnier, Ph.D. — Physical Volcanology, geomorphology
Aurelie Germa, Ph.D. — Volcanology, petrology and geochemistry
Zachary Atlas, Ph.D. — Igneous Petrology
Jochen Braumann, Ph.D. — Seismology
Glenn Thompson, Ph.D. — Seismology
Tom Juster, Ph.D. — Hydrogeology
Jason Galley, Ph.D. — Hydrogeology
Judy McIlrath, MS — Geoscience education
Richard A. Davis (emeritus) — Coastal Geology and Sedimentology
Mark Stewart (emeritus) — Hydrogeology

GEORGIA COLLEGE AND STATE UNIVERSITY

DEPARTMENT OF HISTORY & GEOGRAPHY

DATE FOUNDATED: 2010

DEGREES OFFERED: B. A.

GRANTED 8/22/15-8/22/16: 15 Bachelors

CHAIR: Aran MacKinnon

DEPARTMENT OFFICE COORDINATOR: Amy Mimes

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Amy R. Sumpter, Department of History & Geography, Georgia College CBX 120, Milledgeville, Georgia, 31061. Telephone (478) 445-2035. Fax (478) 445-5837. E-mail: amy.sumpter@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 (www.gcsu.edu/admissions). Financial Aid information may be obtained from the Office of Financial Aid, Georgia College CBX 030, Milledgeville, Georgia 31061, (http://www.gcsu.edu/financialaid/).

FACULTY:
Chuck Fahrer, Ph.D., University of South Carolina, 2001, Professor — political geography, geography of health, geographic education, Europe, Middle East.
Doug Oetter, Ph.D., Oregon State University, 2002, Professor — remote sensing, geographic information, physical geography, land cover change, South America.
Amy Sampter, Ph.D., Louisiana State University, 2008, Associate Professor — race and ethnicity, cultural geography, American South.
Eric Spears, Ph.D., West Virginia University, 2004, Assistant Vice President of International Education — political ecology, Latin America, East Asia.

GEORGIA STATE UNIVERSITY

DEPARTMENT OF GEOSCIENCES

DEGREES OFFERED: BA, BS in Geosciences (Concentrations in Geography, Geology, Environmental Geosciences, or Urban Studies); MS in Geosciences (Concentrations in Geography or Geology); PhD in Chemistry (Concentration in Geology); Undergraduate and Graduate Certificates in Geographic Information Science

STUDENTS: 140 Majors, 50 Masters, 4 PhD
CHAIR: Daniel M. Deocampo
BUSINESS MANAGER: Basirat Lawal

FOR FURTHER INFORMATION WRITE TO: Dr. Lawrence Kiage, Director of Graduate Studies in Geosciences, Department of Geosciences, Georgia State University, P.O. Box 4105, Atlanta, Georgia 30303. Telephone (404) 413-5777. Fax (404) 413-5768. Or to Dr. Christy Visaggi, Director of Undergraduate Studies in Geosciences, Department of Geosciences, Georgia State University, Atlanta, GA 30302-4105. Telephone: 404 413-5755. Internet: http://geosciences.gsu.edu

PROGRAMS AND RESEARCH FACILITIES: The Undergraduate and Graduate programs in Geography provide both broad interdisciplinary backgrounds and in-depth disciplinary research and educational opportunities in urban geography, geographic information science, hydrology, climatology, biogeography, paleoenvironmental, and applied geography. Graduate students may elect either a thesis or non-thesis option, in Geography, Geology, or Water Sciences. Students work with the leading software and hardware including remote aerial vehicles, digital image analysis, remote sensing, ERDAS/Imagine, ArcGIS, and others. Many students take advantage of the numerous intern, employment, and training opportunities, as well as the many state and federal offices within walking distance of the university in the heart of downtown Atlanta. The Department hosts the Georgia Geographic Alliance, providing statewide outreach and educational opportunities.

ADMISSION REQUIREMENTS AND FINANCIAL AID:
All current admissions requirements, information on financial aid and graduate student support, and the online admissions portal are available at http://admissions.gsu.edu

FACULTY:
Hassan A. Babaie, Ph.D., Northwestern 1984, Associate Professor — Structural Geology, Geoinformatics
Dajan Dai, Ph.D., Southern Illinois University, 2007, Associate Professor — GIS, Health Disparities
Daniel M. Deocampo, Ph.D., Rutgers, 2001, Professor — Sedimentology and Environmental Geochemistry
Jeremy E. Diem, Ph.D., Arizona 2000 Associate Professor — Air pollution, applied climatology
W. Crawford Elliott, Ph.D., Case Western Reserve 1988, Associate Professor and Chair — Clay Mineralogy; environmental geology.
Katherine Hankins, Ph.D., Georgia 2004, Associate Professor — Urban geography
Paulo J. Hidalgo-Odio, Ph.D., 2011, Michigan State, Lecturer — Petrology
Nadine Kabengi, Ph.D., University of Florida, Assistant Professor — Soil science; Thermochemistry; Environmental geochemistry
Lawrence W. Kiage, Ph.D., Louisiana State University, 2007, Associate Professor — Biogeography and Paleoenvironments
Brian K. Meyer, Ph.D., Georgia State, 2013, Lecturer — Hydrogeology; Environmental geochemistry
Richard Milligan, Ph.D., University of Georgia, 2016, Assistant Professor — Political Ecology; Water Governance; Race and environment.
Jan Nijman, Ph.D., UC Boulder, Distinguished University Professor and Director of the Urban Studies Institute — Urban Geography
Risa I. Palm, Ph.D., Minnesota, 1972, Professor, Provost and Senior Vice President for Academic Affairs — Urban Geography
Kavita Pandit, Ph.D., Ohio State, Professor and Associate Provost for Faculty Affairs — Population geography
Luke Piangle, Ph.D., Oregon State University, 2013, Assistant Professor — Vadose Zone Hydrology, Ecology, Biogeochemistry
Katie Price, Ph.D., University of Georgia, 2009, Assistant Professor — Hydrology and geomorphology
Christy Visaggi, Ph.D., University of North Carolina Wilmington, 2012, Lecturer — Paleobiology, Paleontology, Marine Biology, Geoscience Education

EMERITI FACULTY:
Sanford H. Bederman, Ph.D., Minnesota 1973, Professor Emeritus
William J. Fritz, Ph.D., Montana, 1980, Professor Emeritus
Carole E. Hill, Ph.D., University of Georgia 1972, Professor Emeritus
Timothy E. La Tour, Ph.D., University of Western Ontario, 1979, Associate Professor Emeritus
Malcolm A. Murray, Ph.D., Syracuse 1955, Professor Emeritus
Richard R. Pillsbury, Ph.D., Pennsylvania State 1968, Professor Emeritus
Sanford H. Bederman, Ph.D., Minnesota 1973, Professor Emeritus

http://geosciences.gsu.edu
KENNESAW STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ANTHROPOLOGY

DATE FOUNDED: 2006

DEGREES OFFERED: B.A. in Geography (online and traditional formats), B.S. in Geographic Information Science, Certificate in Geographic Information Sciences (online and traditional formats), Minor in Geography

GRANTED TO DATE: 120 B.S., Geographic Information Science; 73 B.A., Geography

STUDENTS IN RESIDENCE: 31 Geographic Information Science, 48 Geography

CHAIR: Susan Kirkpatrick Smith, Ph.D.

DEPARTMENT ADMINISTRATIVE ASSISTANT: Melissa Gray

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Matthew Mitchelson, Kennesaw State University, Geography and Anthropology Department, 402 Bartow Ave, Bldg. 22 MB#2203, Kennesaw, GA, 30144. Telephone (470) 578-2373, Fax (470) 578-9147. 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 (in online and traditional formats), a B.S. in Geographic Information Science (GISc), a Certificate in Geographic Information Sciences, and a Minor in Geography. The Department is strongly focused on preparing students for a globalized world. Faculty members have worked with students in research and study abroad programs in Argentina, Belize, Bolivia, 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 geopolitical 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 (GISc) has a strong professional component that prepares students for employment in the GIS field. Coursework integrates practical geographical and environmental studies with scientific, technological and contextual knowledge. Students may select a concentration in either urban systems or environmental systems. The GISc degree also embeds an Information Technology Certificate, with coursework that complements the GIS and GIT knowledge students need for success in today's geospatial job market. All GISc majors and GIS Certificate students are required to complete a geospatial internship, co-op or practicum.

The Department currently has twelve 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, fluvial geomorphology, biogeography, soils, 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 (either SAT or ACT), official high school and college transcripts.

Financial Aid: student employment opportunities and need-based awards including Federal programs available.

FACULTY:

Erian Bariteau, M.S., Mississippi State University, 2015, M.S. Lemoyne College, 2007 Lecturer — physical geography, meteorology, severe storms and hail related events, GIS

Nancy Heald-St-Pullen, Ph.D., University of Colorado at Boulder, 2008, Professor & GIS Director — beer, forest dynamics, soils, watershed biogeochemistry, applications of GIS, geospatial education

Ulrike Ingram, M.A., Georgia State University, 2006, Lecturer — geotechnology

Paul McDaniel, Ph.D., University of North Carolina at Charlotte, 2013, Assistant Professor — urban geography, immigrant integration and receptivity, community change and engagement

Matt Mitchelson, Ph.D., University of Georgia, 2010, Associate 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 — GIS, remote sensing, natural resources

Jason Rhodes, Ph.D., University of Georgia, 2013, Lecturer — urban geography, landscape studies, political economy, social theory

Vanessa Slinger-Friedman, Ph.D., University of Florida, 2002, Professor and Environmental Studies Coordinator — cultural geography, natural resource management, tropical conservation and development, ecotourism, tropical agriculture, Latin America, the Caribbean, Sub-Saharan Africa, pedagogy

Garrett Smith, Ph.D., University of California at Davis, 1996, Associate Professor & Online Geography (B.A.) Coordinator — cultural & economic geography, forest resources

Bradley Sather, 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, medical 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
HAWAI'I

UNIVERSITY OF HAWAI'I AT MANOA

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1927
GRADUATE PROGRAM FOUNDED: 1931
DEGREES OFFERED: B.A., M.A., Ph.D
GRANTED 2016-2017: 14 B.A., 7 M.A., 3 Ph.D.
STUDENTS IN RESIDENCE: 54 B.A., 26 M.A., 15 Ph.D.
CHAIR: Hong Jiang
GRADUATE CHAIR: Reece Jones
UNDERGRADUATE CHAIR: Brian Szuster
DEPARTMENT SECRETARY: Judy Naumu

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department Secretary, Department of Geography, 2424 Maili Way, Saunders 445, University of Hawaii at Manoa, Honolulu, Hawaii 96822. Telephone (808) 956-8465. Fax (808) 956-3512. E-mail: uhgeog@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. 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, environmental contaminants, erosion, data techniques. The department emphasizes the role of GIS in research. Students are encouraged to focus their upper division electives in one of three streams (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, global environmental change science, cartography, GIS, and geo-environmental remote sensing.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:
UNDERGRADUATE: The University of Hawaii at Manoa is on a semester system with 31 credits in geography required for the major. This includes 16 credits of required general geography courses, and 15 credits of upper division electives. Students are encouraged to focus their upper division electives in one of three streams (human geography, environmental geography, or geospatial technologies). 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 (12 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 (prefer 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, wetland ecosystems
Qi Chen, Ph.D., UC Berkeley, 2007, Professor — remote sensing, GIS and applications in environmental science
Thomas W. Giambelluca, Ph.D., Hawaii, 1983, Professor — ecology, climatology, climate change
Hong Jiang, Ph.D., Clark, 1997, Associate Professor — cultural geography, perception of nature, ideas of nature in Chinese thought
Reece M. Jones, Ph.D., Wisconsin at Madison, 2008, Professor — political geography, borders, territory, sovereignty, South Asia
Lisa C. Kelley, Ph.D., UC Berkeley, 2017, Assistant Professor — critical physical geography, land use, agrarian change, Southeast Asia
Camilo Mora, Ph.D., Windsor, 2004, Associate Professor — biodiversity patterns, processes, threats, conservation, and their implications for human welfare
Mary Mostafanezhad, Ph.D., Hawaii, 2011, Assistant Professor — humanitarianism, political ecology, critical geopolitics,
Southeast Asia
Yi Qiang, Ph.D., Ghent (Belgium), 2012, Assistant Professor — GIS, visual analytics, and geocomputation.
Alison Rizer, LLM., Yale, 1990, Professor — political geography of oceans, oceanic legal histories, politics of marine science
Krishnavati 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

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
Nancy D. Lewis, Ph.D., University of California, Berkeley, 1981 — human health, development, gender, human ecology, climate change, development
Brian A. Munro, Ph.D., Minnesota, 1970 — historical, cultural, tropical agrarian systems, New Zealand
Mark A. Ridgley, Ph.D., Pennsylvania State University, 1986 — Human, Environment Systems Analysis
Lyndon Wester, Ph.D., UCLA, 1975 — plant geography, Southeast Asia
Everett A. Wingert, Ph.D., Washington, 1973, Professor — cartography, remote sensing

COORDINATING AND AFFILIATE GRADUATE FACULTY:
Henry Diaz, Ph.D., Colorado, 1983 — climate change
Douglas Eisinger, Ph.D., Wales, 2005 — air quality, environmental policy analysis

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Basil Gomez, D.Sc., University of Southampton, 2005 — fluvial geomorphology and sediment transport
Jefferson Fox, Ph.D., Wisconsin, 1983 — community-based management, land cover change, spatial information technology
Erik C. Franklin, Ph.D., University of Hawai`i at Manoa, 2012 — marine biology, spatial modeling, application of GIS
Mark D. Merlin, Ph.D., Hawai`i, 1979 — biogeography, natural history of Hawai`i
Mark D. Needham, Ph.D., Colorado State, 2006 — recreation, nature-based tourism

IDAHO

UNIVERSITY OF IDAHO

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1970
GRADUATE PROGRAM FOUNDED: 1965
DEGREES OFFERED: B.S. Geography, M.S., Ph.D., GIS Certificate, Climate Change Certificate
GRANTED 9/1/2015-8/31/2016: 9 Bachelors, 8 Masters, 1 Ph.D.
STUDENTS IN RESIDENCE: 29 Majors, 12 Masters, 11 Ph.D., 30 Certificate
DEPARTMENT CHAIR: Leslie L. Baker
DEPARTMENT ADMINISTRATIVE ASSISTANT: Renee Jensen-Hasfurther

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Administrative Assistant, Department of Geography, University of Idaho, 875 Perimeter Drive MS 3021, Moscow, Idaho 83844-3021. Telephone: (208) 885-6216. E-mail: geography@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 certificates in Climate Change and GIS. 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 wildfire, 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 internships 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 certificates in Climate Change and GIS certificate. 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 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.

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.

GIC 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 15 years ago, requires 15 credits of GIS-related coursework. For more information about the program, please visit our web site.

CLIMATE CHANGE CERTIFICATE – The Climate Change Certificate Program serves students and professionals either in or separately from a degree program, but is of primary interest to students majoring in related fields such as Environmental Science, Forestry, Fire Ecology, and Natural Resource Conservation. The certificate requires 15 credits of climate change-related coursework. For more information about the program, please visit our web site.

FACULTY:
John Abatzoglou, Ph.D., University of California Irvine, 2009, Associate Professor — weather and climate, climate change impacts on fire and water resources in the American West
Raymond Dettani, Ph.D., California, Riverside, 1996, Professor — spatial statistics, political and economic geography
Chao Fan, Ph.D., Arizona State University, 2017, Assistant Professor — GIS and spatial analysis, urban biogeography
Grant Harley, Ph.D., University of Tennessee, 2012, Assistant Professor — Dendrochronology, fire history, GIS-based inventory of terrestrial caves, and climate science.
Jeffrey A. Hicke, Ph.D., University of Colorado at Boulder, Colorado, 2000, Associate 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 — remote sensing/GIS applications in hydrology and natural resources
Haifeng Liao, Ph.D. University of Utah, 2014, Assistant Professor — Economic geography, regional development, globalization, China, urbanization, land use, land use-transportation interactions, spatial statistics
Thomas Pak, Ph.D., University of Oregon, 2017, Assistant Professor — human geography, energy geography
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 Professor — alpine hydrology, glaciology and glacio-climatology
Elena Aizen, Ph.D. Russian Academy of Sciences, Moscow, Russia, 1986, Research Professor — climatology, glaciology

PROFESSOR EMERITUS
Kang-tsung Chang
Allan Johkisaari
Gundars Rudzīts
Sam Scripter

ILLINOIS

AUGUSTANA COLLEGE

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1949
DEGREES OFFERED: B.A.
GRANTED 8/25/15-8/20/16: 13 Majors, 8 Minors
STUDENTS IN RESIDENCE: 51 Majors, 8 Minors
CHAIR: Jennifer Burnham
DEPARTMENT ADMINISTRATIVE ASST: Elizabeth Plumb

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 25 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 Latin America and the Arctic, 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, education, English, geology, history, political science, public health, and Spanish departments. Geography is one of the core departments in the college's environmental studies program.

SPECIAL PROGRAMS: Department faculty participate in the college’s multi-discipline study away programs in East Asia and Latin America, and conduct international research in northwest Greenland. A special geography summer field research course is held each year in the Upper Midwest, Pacific Northwest, or Gulf Coast 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. 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 a boat for research and teaching on the Mississippi River: a 29- foot passenger boat rated for 25 students that serves as a floating classroom with bathymetric and sediment-surveying capabilities. Augustana owns and manages three research field stations totaling 600 acres in northern Illinois. These sites contain ecologically significant habitats that can be used for student and faculty research.

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, Arctic
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, 2014, Assistant Professor — cultural, historical geography of the U.S., land management

CHICAGO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY, SOCIOLOGY, HISTORY, AFRICAN-AMERICAN STUDIES, AND ANTHROPOLOGY
DATE FOUNDED: 1958
GRADUATE PROGRAM FOUNDED: 1970
DEGREES OFFERED: B.A. in Geography (currently not accepting new applicants), M.A. in Geography, M.A. in Geography with GIS Concentration, Graduate Certificate in Geographic Information Systems, Graduate Certificate in Community Development
GRANTED 7/1/2016-5/31/2017: 4 Masters, 6 Certificates
STUDENTS IN RESIDENCE: 1 Major, 25 Masters and Certificate
CHAIR: Gebeeyehu Mulugeta
GEOGRAPHY COORDINATOR: Gebeeyehu Mulugeta
DEPARTMENT ADMINISTRATIVE ASST: To Be Filled

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Gebeeyehu Mulugeta (undergraduate) or Dr. Daniel Block (graduate), Chicago State University, Ninety-Fifth Street at King
EMERITI FACULTY:
William A. Peterman, Ph.D., Denver, 1972, Professor Emeritus — urban, planning, community development, environmental analysis
Irvin Roth, Ph.D., Syracuse, 1968, Professor Emeritus — economic, urban, India

DEPAUL UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1898

DEGREES OFFERED: B.A., Certificate in GIS
GRANTED 01/01/16-12/31/16: 16 B.A. and 21 GIS Certificates

STUDENTS IN RESIDENCE: 40 B.A. and 38 GIS Certificates

CHAIR: Euan Hague, Ph.D.

FOR CATALOG AND FURTHER INFORMATION WRITE:
DePaul University, Department of Geography, 990 W. Fullerton Avenue, Suite 4300, Chicago, Illinois 60614. Telephone (773) 325-7669. E-mail: geography@depaul.edu.
Web: https://las.depaul.edu/academics/geography/Pages/default.aspx

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) Geography of Art, Architecture, and Society Studies; (3) GIS and 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. in Sustainable Urban Development which began in 2013-14, and provides leadership to the interdisciplinary undergraduate minors in both Food Studies and in Cities. A close-knit Department of eight 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 and was honored with the AAG’s Award for Bachelors Program Excellence in 2016.

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 Student Center at the Lincoln Park Campus, new Theater and Music School facilities, and a 10,000 seat sports arena scheduled to open in 2017. The growing collection of the DePaul University libraries includes almost 720,000 physical volumes, in addition to 275,000 e-books, 37,270 microform volumes, over 6,000 printed serial subscriptions and 62,000 digital subscriptions, and varied on-line and audiovisual collections including subscriptions to media streaming services. Access via I-SHARE on-line allows students to identify and access materials from 85 other colleges and universities in Illinois. In addition, current students, faculty, and staff have access to 375 electronic databases. 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 History 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. In summer 2016 the Department of Geography opened a new, state-of-the-art 18-terminal GIS Laboratory, 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.

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:
Alec Brownlow, Ph.D., Clark, 2003, Associate Professor — urban environmental, political ecology, human-nature interaction, social theory
Winfred Carvon, Ph.D., Clark, 2004, Associate Professor — urban, social, economic, gender
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
Michael Iversen, BA, Iowa State, 1982, Instructor — urban planning
Connie Johnston, Ph.D., Clark, 2013, Instructor — cultural, feminist
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, Instructor — urban planning
Byungyun Yang, Ph.D., University of Georgia, 2011, Assistant Professor — GIS, remote sensing

STAFF:
Cassie Follet, MA, West Virginia University, 2016, GIS Coordinator.

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), Professional Science Masters in GIS, and minors in Broadcast Meteorology, Earth Science, Geography, Geographic Information Sciences, and Geology
GRANTED 9/1/15 - 8/31/16: 4 in Geology; 14 in Geography

UNDERGRADUATE MAJORS: 58

CHAIR: Diane Burns

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. Program options available in Geography include the Human Geography Option and Environmental/Physical Geography Option. Students must complete 36 semester hours of geography, earth science, geology or other approved elective courses selected from their option menu in addition to 13 semester hours of required courses. Undergraduate minors are offered in Geology, Geography, Earth Science, and two interdisciplinary minors in Geographic Information Sciences and Broadcast Meteorology. In addition, an Honors Program is offered in 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 an interdisciplinary Master’s programs: Professional Science Masters in Geographic Information Sciences (PSM in GIS). 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. The B.S. in Science, 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.

The PSM in GIS includes coursework in Biological Sciences, Business Administration, Geography, Earth Science, Political Science and Sociology. The PSM is a non-thesis master’s program that requires a capstone internship experience.

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 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 Special Projects Computer Lab, Geographic Information Sciences Lab, Sedimentation and Stratigraphy Lab, Paleontology Lab, and Microscopy Lab. The Special Projects and GIS labs contain personal computers, printers and plotters and make use of ArcGIS, ENVI and Surfer along with other current relevant software. A dedicated server is maintained for faculty and students in the department. 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 8,500 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:
Diane M. Burns, Ph.D., Wyoming, 2004, Chair, Associate Professor of Geology — sedimentology, stratigraphy
Robert Cataneo, MSNS, Eastern Illinois, 2003, Instructor — weather/climate
Michael W. Corniebe, Ph.D., Tennessee, 2003, Interim Associate Dean of the College of Sciences, 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, Associate Professor of Geology — Cenozoic climate change and paleoceanography, benthic foraminiferal micropaleontology, paleoecology, evolution, and stratigraphy, Geoscience education
Barry J. Kronenfeld, Ph.D., SUNY-Buffalo, 2004, Associate Professor of Geography — geographic information systems, historical U.S. landscape change, cartography
Christopher R. Laingen, Ph.D., Kansas State, 2009, Associate 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 D. Riley, Ph.D., Illinois, Urbana-Champaign, 2012 Associate 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. Stone, 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

ILLINOIS STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY, GEOLOGY, and the ENVIRONMENT
DATE FOUNDED: 1857
DEGREES OFFERED: B.A., B.S. in Geography, B.S. in Geology, M.S. in Hydrogeology
GRANTED 2017: Geography-25, Geology-23, Hydrogeology-11
MAJORS 2017: Geography-73, Geology-81, Hydrogeology-16
CHAIR: Dagmar Budikova
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 1,700,000 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.

The department offers a Geography Minor which requires 21 hours of Geography classes.
NORTHEASTERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL STUDIES

DATE FOUNDED: 1965

DEGREES OFFERED: B.A. Geography, B.A. Environmental Studies, M.A. Geography and Environmental Studies, Certificate in Geographic Information Science, Graduate Certificate in Geographic Information Science.


STUDENTS: 30 Geog B.A., 47 ES B.A., 30 M.A., 52 GIS Certificates

CHAIR: Erick Howenstine, Ph.D. (773) 442-5647 E-Howenstine@neiu.edu

Administrative Assistant: Michael Partipilo, M.S. (773) 442-5640 ges@neiu.edu http://www.neiu.edu/ges

FOR CATALOG AND FURTHER INFORMATION:
Department of Geography & Environmental Studies, Northeastern Illinois University 5500 N. St. Louis, Chicago, IL 60625 Website: www.neiu.edu

PROGRAMS AND RESEARCH FACILITIES:
The Bachelor of Arts in Geography, in the College of Arts and Sciences is a traditional geography degree with an emphasis on urban planning, GIS, and environmental issues. It combines the conceptual disciplinary work within human and physical geography with the integrative tools of GIS, cartography, spatial statistics, and field methods. The Department of Geography & Environmental Studies (G&ES) also offers a B.A. in Environmental Studies, with emphasis on policy/planning or education/interpretation. A 33-hour Master’s of Arts in Geography and Environmental Studies combines all these strengths and allows students to design their own research track. The Department introduced GIS to the curriculum in 1991 and now offers two certificates, one at the undergraduate and one at the graduate level. Each is each comprised of five geospatial courses as well as statistics. A minor in Geography, one in Environmental Studies, and one in Geographic Information Science are also offered.

Northeastern is primarily a commuter university with nearly 10,000 students attending classes at four locations in the Chicagoland area. G&ES is housed on the University’s main campus on Chicago’s far north side. The main campus is set on 67 landscaped acres surrounded by a quiet residential community, with ample parking and access by public transportation. Northeastern was named sixth "Best Investment" in higher education nationwide by Newsweek, and its student body is ranked among the most diverse in the Midwest. The University’s first residential housing unit opened on the main campus Fall 2016.

G&ES classes make use of the Chicago surroundings by way of field trips, service-learning, guest lecturers, and adjunct faculty drawn from the professional community. Geography students may undertake a carefully designed and supervised internship in urban planning, GIS, or other field in the student’s career or research interest. There are also opportunities for student/faculty research projects and the department offers an annual guided Field Camp, abroad. Class sizes are small and all sections are taught by a core of five tenure track faculty members, a strong group of regular Instructors and active professionals who contribute to the rich curriculum. Students may also incorporate a limited number of courses from other departments into their degree with advisor approval.
G&ES maintains two computer laboratories with student access 24/7. Technical courses are scheduled in “smart” classrooms and the department’s more traditional classroom is also fitted with laptops for student in-class use. A number of courses are also available online.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:
Northeastern Illinois University uses a semester calendar, with six-week and 12-week summer sessions. Information for scholarships, federal and state assistance, loans, and employment is available on the web site: www.neiu.edu or by phone: (773) 583-4050.

FACULTY:
Judy Bock, Instructor, M.A. Geography & Environmental Studies, Northeastern Illinois University 1982 — geography education
Mark Boyle, Instructor, PhD. Human Geography expected 2016 University of St. Andrews — human geography
Thomas Brecheisen, Instructor, PhD. Civil Engineering 2017, University of Illinois at Chicago — environmental studies
Robyn Flakne, Instructor, PhD. Forestry, University of Minnesota, St. Paul 2000 — urban environment, forest resources
Dennis Grammenos, Associate Professor, PhD. Geography University of Illinois, Urbana-Champaign, 2000 — urban/social geography
Erick Howenstine, Professor and Chair, PhD. Geography University of Washington, 1989 — GIS, cartography
Melinda Storie, Assistant Professor and Graduate Coordinator, PhD. Natural Resources and Environmental Sciences 2008, University of Illinois, Urbana –Champaign — environmental education, environmental interpretation, conservation psychology
Alex W. Peimer, Assistant Professor, PhD. Geography, University of Illinois Urbana-Champaign, 2016 — environmental policy and governance, water resources, political ecology
Ting Liu, Assistant Professor and GIS Coordinator, PhD. Geography Florida State University 2014 — GIS, remote sensing, land change science

NORTHERN ILLINOIS UNIVERSITY

DEPARTMENT OF GEOGRAPHIC AND ATMOSPHERIC SCIENCES
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
GRANTED 9/1/15 - 8/31/16: 31 Bachelors, 6 Masters, 1 Ph.D.
STUDENTS IN RESIDENCE: 110 Majors, 12 Masters, 9 Ph.D.
NOT IN RESIDENCE: 6 Masters, 2 Ph.D.
CHAIR: David Changnon
DEPARTMENT ADMINISTRATIVE ASST: Dawn Sibley

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 are community-based geography. The B.S. 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 following 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.

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 are awarded for the 9-month academic year with a 12-month waiver of tuition. 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, Professor — weather-related hazards, mesoscale meteorology/ climatology, environmental risk, GIS
Jie Song, Ph.D., Delaware, 1995, Professor
James Wilson, Ph.D., North Carolina, 1991, Associate Professor
Thomas J. Pingel, Ph.D., U.C. Santa Barbara, 2010, Assistant Professor
Wei Luo, Ph.D., Washington University, 1995, Professor
Andrew J. Krmenec, Ph.D., Indiana, 1983, Professor
Courtney M. Gallaher, Ph.D., Michigan State, 2012, Assistant Professor
David Changnon, Ph.D., Colorado State, 1991, Professor
Philip P. Young, M.S., Northern Illinois, 2012, GIS Project Director
Amanda Carew, B.S. Northern Illinois, 2007, Cartographer
Gilbert Sebenste, NIU Staff Meteorologist
Robert B. Ridinger, Librarian, Subject Area Specialist
Laura Germann, Undergraduate and Graduate Programs Assistant

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL RESOURCES
DATE 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 (1/1/16-12/31/16): 14 Bachelors, 7 Masters

STUDENTS IN RESIDENCE (1/1/16-12/31/16): 36 Majors, 18 Masters

CHAIR: Justin Schoof

DEPARTMENT OFFICE ADMINISTRATOR: Laura Germann

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 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

Trenton Ford, Ph.D., Texas A&M University, 2015, Assistant Professor — land-atmosphere interactions, drought prediction, North American hydroclimate, remote sensing hydrology

Ruopu Li, Ph.D., University of Nebraska, 2012, Assistant Professor — land use modeling, land suitability, lidar-derived hydrographic modeling, groundwater, climate change impacts on water resources

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, Professor and Chair — climate variability and change, climatological methods, applied climatology

Silvia Secchi, Ph.D., Iowa State University, 2000, Associate Professor — natural resource economics, economic and environmental modeling

Audrey Wagner, M.S., Southern Illinois University, 2011, Lecturer — meteorology and climatology

Guangying Wang, Ph.D., University of Helsinki, Finland, 1996, 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 2016: 37 Bachelors, 7 Masters

STUDENTS IN RESIDENCE: 97 Majors, 23 Masters

CHAIR: Susan Hume

DEPARTMENT SECRETARY: Cat Yurkovich

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Susan Hume, Chair, Department of Geography, Box 1459, Southern Illinois University Edwardsville, Edwardsville, Illinois 62026-1459. Telephone (618) 650-2090. Fax (618) 650-3591. E-mail: shume@siue.edu. Internet: www.siue.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 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 13 full-time faculty, one of whom is jointly appointed with the Environmental Sciences program.

Gillian Acheson, Ph.D., Texas A&M University, 2003, Professor — geographic education, human geography, cultural landscape, population, social justice
Stacey R. Brown, Ph.D., Oklahoma State University, 2011, Associate Professor — human geography, medical geography, GIS, quantitative methods
Michael L. Grossman, Ph.D., University of Wisconsin, 2003, Professor — physical geography, geomorphology, hydrology
James Hanlon, Ph.D., University of Kentucky, 2008, Associate 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 and Chair — 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. Odenmwo, 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
Michael Shouse, Ph.D., University of Kentucky, 2014, Assistant Professor — biogeomorphology, biogeography, GIS, remote sensing
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.

UNIVERSITY OF ILLINOIS

DEPARTMENT OF GEOGRAPHY and GEOGRAPHIC INFORMATION SCIENCE

DATE FOUNDED: 1945
GRADUATE PROGRAM FOUNDED: 1950
DEGREES OFFERED: B.A., M.A., M.S., Ph.D., PSM in GIS
GRANTED 9/1/16-8/31/17: 14 Bachelors, 4 Masters, 3 Ph.D.
STUDENTS IN RESIDENCE: Majors, 6 Masters, 23 Ph.D.

HEAD: Sara L. McLafferty

DEPARTMENT ADMINISTRATIVE ASST: Denise Jayne

FOR FURTHER INFORMATION WRITE TO: Graduate Director, Department of Geography and Geographic Information Science, 2044 Natural History Building, MC-150, 1301 W. Green Street, Urbana, Illinois 61801. Telephone: (217) 333-1880. E-mail: geograph@illinois.edu. Internet: www.geog.illinois.edu.

PROGRAMS AND RESEARCH FACILITIES: The department is organized into four areas of specialization for training of graduate students: 1) Geographic Information Science including space-time GIS, remote sensing, computational GIS and cyberinfrastructure, and applications of GIS to geographic problems; 2) River, Watershed and Landscape Dynamics concentrating on fluvial geomorphology, watershed hydrology, ecohydrology, and landscape modeling; 3) Society, Space and Environments concentrating on political ecology, development geography, politics of the environment, social vulnerability, green buildings and infrastructure, and social dimensions of environmental policy; and 4) Cities and Metropolitan Areas with emphases in urban health and quality of life, urban governance and politics, race, class, and city policing, critical studies of urban transportation and mobilities, globalization, neoliberalization and the city. 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).

Professional Science Master’s program in GIS—The PSM combines scientific and professional training in GIS and Business to prepare students for careers with businesses that use and develop geospatial technologies. Students build a flexible, cross-disciplinary expertise around a strong Geographic Information Science core, while acquiring business knowledge and professional skills. The business curriculum includes technology management, marketing, entrepreneurship, project and/or project management and finance. PSM students typically complete the program in sixteen-months, consisting of three full-time semesters and a summer internship. Students in this program may not hold assistantships or other tuition and fee waiver/generating appointments.
Departmental facilities include an instructional GIS laboratory 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 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; 2) the Social Dimensions of Environmental Policy Initiative (SDEP) which aims to improve management of the earth’s environment through research on social and policy dimensions of sustainability; 3) the Space-Time Analysis Research Lab (STAR) which seeks to develop and apply innovative analytical methods to analyze complex, high-resolution space-time data in health, transport, and urban geographic research. 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: 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, along with three letters of recommendation. Teaching assistantships, research assistantships and several Graduate College and departmental fellowships are available. Currently, 50%-time nine-month appointments for assistants carry a minimum stipend of about $16281 plus remission of tuition. Nearly all resident graduate students, other than PSM students, are supported by fellowships, scholarships, and assistantships.

FACULTY:
James Best, Ph.D., London, 1985, Professor — process sedimentology, flow-sediment interactions
Trevor Birkenholtz, Ph.D., The Ohio State University, 2007, Associate Professor — political ecology, development, social theory, nature-society relations, vulnerability, South Asia, water resources
Julie Cidell, Ph.D., Minnesota, 2003, Associate Professor — transportation, GIS, economic geography, urban political ecology, urban sustainability
Piotr Cienciala, Ph.D., University of British Columbia, 2015, Assistant Professor — Ecogeomorphology and echohydraulics, impact of land use and climate change on streams, river and watershed conservation
Chunyuan Diao, Ph.D., University of Buffalo, 2017, Assistant Professor — remote sensing, Geographic Information Science and biogeography.
Brian J. Jefferson, Ph.D., New School for Social Research, 2013, Assistant Professor — urban geography, carceral geography and critical social theory
Shahid Kashem, Ph.D., University of Illinois, 2015, Teaching Assistant Professor — GIS, environmental policy and planning, disaster risk management, urban growth modeling
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, GISScience, ICT
Sara L. McCafferty, 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
Maragesa Sivapalan, Ph.D., Princeton, 1986, Professor — watershed hydrology, runoff processes, chemical and biological processes in water quality
Shouwen Wang, Ph.D., Iowa, 2004, Professor and Director, CyberGIS Center, 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 J. Bassett, Ph.D., California-Berkeley, 1984, Professor Emeritus — African agrarian systems, political ecology, agriculture development and socio-cultural change, history of cartography
Bruce M. Hannon, Ph.D., Illinois, 1970, Professor Emeritus — energy use and conservation, environmental planning, ecological modeling
Bruce M. Hannon, Ph.D., Illinois, 1970, Professor Emeritus — energy use and conservation, environmental planning, ecological modeling
Geoffrey J.D. Hewings, Ph.D., Washington, 1969, Professor Emeritus and Director, Regional Economics Applications Laboratory — regional science, methods of urban and regional analysis, regional economic models and forecasting
John A. Jakle, Ph.D., Indiana, 1967, Professor Emeritus — historical, cultural, urban social geography, American landscape
Colin E. Thorn, Ph.D., Colorado, 1974, Professor Emeritus — alpine and periglacial geomorphology, philosophy and theory of geomorphology

DEPARTMENTAL AFFILIATES:
Brian Dill, Ph.D., U. of Minnesota, 2007, Associate 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 Mirafar, Ph.D., Berkeley, 1995, Professor, Urban and Regional Planning — social aspects of urban development
Marilyn O’Hara, Ph.D., Florida-Gainesville, 1995, Clinical Associate 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 Panyasena, Ph.D., Chicago, Assistant Professor, Plant Biology — ecology, evolution, conservation
Gillen D’Arcy Wood, Ph.D., Columbia University, 2000, Professor — Environmental humanities, climate change, sustainability

DEPARTMENTAL ADJUNCTS:
Luc Anselin, Ph.D., Cornell, 1980, Distinguished Professor, University of Chicago — spatial econometrics and analysis, GIS
Ashwini Chhatre, Ph.D., Duke, 2006, Senior Research Fellow and Visiting Professor, Indian School of Business Environmental politics — geography of south Asia, political science
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 2.75 (on a 4-point scale), or a grade-point of at least 3.0 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 highly recommended.

FACULTY:
Marcus Baker, Ph.D., Wisconsin, 2004, Associate Professor — Advanced meteorology
Jongnam Choi, Ph.D., Georgia, 2001, Professor — climatology, satellite meteorology, biogeography
Yongxin Deng, Ph.D., Southern California, 2005, 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, Associate Professor — Physical Geography, GIS
Fuyuan Liang, Ph.D., Georgia 2008, Associate Professor — Pleistocene geomorphology, physical, remote sensing
Christopher D. Merrett, PhD., 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 — urban/regional planning, population
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 human 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 teaching. The building houses the GIScience and meteorology/climatology laboratories.

The Geography Department houses the GIScience Teaching and Learning Lab which consists of two spaces dedicated to teaching and research in the GIScience fields. This teaching space accommodates up to 50 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 GIS 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, ERDAS Imagine 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 production of hourly weather bulletins and other weather information for 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. Human Geography. This concentration 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 concentration 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 concentration 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 concentration 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 human 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 extensive 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 management 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, Ph.D., Indiana State University 2015, Instructor — physical geography, cultural geography and world regional geography
- Adam Berland, Ph.D., Minnesota, 2012, Assistant Professor — geographic information science, spatial analysis, urban environments
- Call, David, Ph.D., Syracuse University, 2007, Associate Professor — weather and society, climatology, hazards and meteorology
- Jill Coleman, Ph.D., Ohio State, 2005, 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, Assistant Professor — forecast evaluation and verification, climatology, and extreme weather
- Jerzy Jemiolo, Ph.D., Jagiellonian (Krakow, Poland), 1982, Associate Professor — tourism, transportation, cultural, Europe, Russia
- Jörn Seemann, Ph.D., Louisiana State University, 2010, Assistant Professor — maps and society, cartography, cultural geography, Latin America
- 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

**Jason Yang, Ph.D., University of Rhode Island, 2003, 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 available in Geography, Geosciences, Environmental Sciences, Anthropology, Climatology, Sustainability, and GIS

**GRANTED 2016-2017:** 14 Bachelors, 3 Masters, 1 Ph.D.

**STUDENTS IN RESIDENCE:** 77 Majors, 9 Masters, 6 Ph.D.

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

**CHAIRPERSON:** Stephen Aldrich (Interim)

**FOR CATALOG AND FURTHER INFORMATION WRITE TO:** 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: ISU-EES@mail.indstate.edu, **Web:** http://www.indstate.edu/cas/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.

**RESEARCH FACILITIES:** 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/paleocenography 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: Thirteen undergraduate scholarships are available on a competitive basis. Graduate assistantships are awarded to qualified students. PhD teaching assistantship stipends range in value up to $11,600 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 Associate Professor — environmental science, GIS, land use change, modeling and mapping
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. Brule, PhD, Colorado School of Mines, 1989, Professor — environmental geography, geochemistry, geobiology, mineralogy, igneous petrology
Mohamed Elyassini, Ph.D, Kentucky, 1995, Associate Professor — globalization, Middle East, human geography
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, palaeoceanography, environmental geochemistry, biogeochemistry, medical geology
Nancy J. Obermeyer, Ph.D, Chicago, 1987, Associate Professor — GIS, urban, cultural
Shawn Phillips, Ph.D, SUNY Albany, 2001 Associate Professor — biological anthropology, forensic anthropology
Anthony Rathburn, Ph.D, Duke, 1992, Professor — oceanography, palaeontology
James Speer, Ph.D, Tennessee, 2001, Professor — biogeography, climatology, dendrochronology
Jeffery Stone, Ph.D, Nebraska 2005, Assistant Professor — paleoecology, diatoms, palaeoecology
Qihao Weng, Ph.D, Georgia, 1999, Professor — remote sensing, GIS, environmental modeling
Amos Winter, Ph.D, The Hebrew University of Jerusalem, Israel, 1981, Professor — climate change, marine micropaleontology

ADJUNCT FACULTY:
Karla Hansen-Speer, PhD, Washington University, 2006 — archaeology, paleoethnobotany, dendrochronology, southwest US
Karlyn Westover, PhD, Nebraska, 2006 — paleoecology, diatoms, palaeoecology, statistics
Brooke Drew, MAIS, Oregon State University, 2008 — historical archaeology, cultural material analysis, nineteenth century mortuary practices

EMERITI FACULTY:
William A. Dando, PhD, Minnesota
Prodip Dutta, PhD, Indiana
Basil Gomez, PhD, Southampton
Steven Pontius, PhD, Minnesota
Russel Stafford, PhD, Arizona State

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 6/1/15-5/31/16: 17 Bachelors, 2 Masters, 4 Ph.D.
STUDENTS IN RESIDENCE: 31 Majors, 7 Masters, 14 Ph.D.
NOT IN RESIDENCE: 2 Ph.D.
CHAIR: Daniel C. Knudson
DEPARTMENT ADMINISTRATIVE ASST: Kristi Carlson, 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.

PROGRAM AND RESEARCH FACILITIES: The Ph.D. program is 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 and environmental change, food and agriculture, geographic information systems and remote sensing, cities, development and justice, and water resources. Courses in theory, research design, and methods constitute the core of study for all advanced degrees.

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 set of core courses, 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 Assessment of Socio-Economic Landscapes, the Ostrom Workshop on Political Theory, the Center for Race and Ethnicity Studies, the 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. The department admits students with Bachelor’s and/or Master’s degree to our Ph.D. program. The department has no terminal Master’s degree programs at this time. An undergraduate major in geography, or a close equivalent, and a B average are 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 December 15.

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
Isham Ashtabula, Ph.D., Syracuse University, 2010, Assistant Professor
— Migration, Ethnicity, Urban geography
Elizabeth Dunn, Ph.D., John Hopkins University, 1998, Associate Professor — Effects of large bureaucratic systems during periods of cataclysmic social change
Tom Evans, Ph.D., University of North Carolina, Chapel Hill, 1998, Professor — Human-Environment Interactions, Agricultural Decision-making, Water Governance, GIS/Spatial Modeling
Darren Picklin, 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
Tae Hee Hwang, Ph.D., University of North Carolina, Chapel Hill, Assistant Professor — Eco-hydrology, Remote Sensing, Biogeography
Daniel C. Kaushan, Ph.D., Indiana University, 1984, Professor — Food Studies and Tourism Geography
Rebecca Lave, Ph.D., University of California, Berkeley, 2008, Associate 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
Scott Robson, Ph.D., University of Delaware, 1992, Professor — Climate Change Detection, Impacts of Climate Change and Variability, Spatial Data Analysis, Environmental Statistics
Roman Zlotin, Ph.D., USSR Academy of Sciences, Moscow, 1970, Senior Lecturer — Biogeography

ADJUNCT FACULTY:
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.

Stephanie DeBoer, Ph.D., University of Southern California, 2007, Associate Professor — transnational or global film and media studies; film and media co-production; film and media’s intersection with space, place, and location; East Asian film and media; Japanese and Chinese language film and media; inter-Asia cultural studies; memory and film/media; “new” media and globalization; film and media theory and criticism.
Danilo Dragoii, 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
James Farmer, Ph.D., Indiana University, 2009, Assistant Professor — motivations and behavioral change, mixed-methods research designs to examine behavior variables in private land conservation, land trust activities, participation in local food systems, and the human dimensions of sustainable agriculture and rural living.
Chunfeng Huang, Ph.D., Texas A&M University, 2001, Associate Professor — Spatial statistics, geostatistics, smoothing splines
Kimberly Novick, Ph.D., Duke, 2004, Assistant Professor — Forest Ecology, Ecosystem Carbon and Water Cycling, Biometeorology
A. Faiz Rahman, Ph.D., University of Arizona, 1996, Associate Professor — spatially distributed carbon cycle science using high resolution remote sensing; application of GISScience methods in spatial and temporal scaling studies; visualization of spatially dynamic and time-series of raster and vector data
Rinku Roy Chowdhury, Ph.D., Clark University, 2003, Associate Professor — Land Change Science, Human Dimensions of Global Environmental Change, Cultural and Political Ecology, GIS/RS, and Landscape and Conservation Ecology
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 — remote sensing and Geographic Information Science

EMERITI FACULTY:
Bennet Brubas, Ph.D., MIT, 1966, Professor — Wind energy, Climate change
Dennis Conway, Ph.D., University of Texas, Austin, 1976, Professor — Development, Transnational migration, Migration-development relationships
Charles C. Greer, Ph.D., University of Washington, 1975, Associate Professor — China, resource management
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
Ernest H. Wohlenberg, Ph.D., Washington, 1970, Associate Professor — economic, natural resources, economic developments
INDIANA UNIVERSITY- PURDUE UNIVERSITY INDIANAPOLIS

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1981
DEGREES OFFERED: B.A. in Geography, M.S. and Certificate Programs Geographic Information Science
GRANTED 9/1/16-5/31/17: 9 Bachelors, 3 MS
STUDENTS: 39 undergraduate, 9 M.S., 15 graduate

CHAIR: Daniel P. Johnson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, 213 Cavanaugh, 425 University Blvd., Indianapolis, Indiana 46202-5140. Telephone (317) 274-8877. Fax (317) 278-5220. E-mail: geodept@iupui.edu. Internet: http://liberalarts.iupui.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The IUPUI Department of Geography emphasizes excellence in teaching, original research, and student/faculty interaction. Areas of research emphasize include geographic information science, environmental remote sensing, medical geography, urban and rural landscapes. Regional specialties include Latin America, Africa, Europe, Japan and East Asia, and North America. Practical field experience and internship programs cover a wide range of topics including GIS, cartography, soil conservation, urban planning, and environmental analysis.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Graduate: Research interests coincide with those of the Department and evidence of competence to pursue graduate work at the M.S. level; application requires transcripts, three letters of recommendation. GRE scores required for M.S. Undergraduate: Admission to the university depends on high school rank, high school curriculum, and SAT scores. Financial Aid: fellowships, stipends, research support including Federal programs available.

FACULTY: Andrew Baker, PhD, Tennessee, 2015, Lecturer — globalizaton of sport, GIS and social theory, popular cultural geography, urban geography
Aniruddha Banerjee, PhD, Iowa, 2004, Assistant Professor — GIS, spatial analysis, medical geography, cultural geography
Robert L. Beck, PhD, Indiana State, 1982, Senior Lecturer — rural geography, resources, Indiana, North America
Frederick L. Bein, PhD, Florida, 1974, Professor — conservation, soils, third world agriculture and environment, geographic education
Owen J. Dwyer, PhD, Kentucky, 2000, Professor and Director of Graduate Studies — urban geography, cultural analysis
Daniel P. Johnson, PhD, Indiana State, 2007, Associate Professor and Chair — GIS, remote sensing, physical geography, spatial analysis, climate change and health
Gil Latz, PhD, Chicago, 1986, Professor and Associate Vice Chancellor for International Affairs — regional development, resource management policy, Japan, East Asia, North America and Europe
Vijay O. Lalla, PhD, Indiana State, 2010, Assistant Professor — remote sensing, GIS, cartography
Jeffrey S. Wilson, PhD, Indiana State, 1998, Professor and Associate Dean for Research — health and environment, geographic information science, environmental remote sensing

AFFILIATED FACULTY: Sarah E. Wiehe, MD, Washington, 1998, Associate Professor of Pediatrics — adolescent medicine, contextual effects on health, sexually transmitted infections

VALPARAISO UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND METEOROLOGY
DATE FOUNDED: 1931
DEGREES OFFERED: B.A., B.S.
GRANTED 9/1/15-8/31/16: 10 Bachelors in Geography (4 B.S., 6 B.A.)
MAJORS: 26 in Geography, 2 in Geology
CHAIR: Teresa Bals-Elscholz

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: http://www.valpo.edu/geography-meteorology/

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, and minors in Geography, Meteorology, American Indian Studies, and GIS. The Department and the University emphasize close contacts between faculty and students. Students 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 program 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-Elscholz, 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, Associate Professor — GIS and remote sensing, biogeography, environmental conservation
Kevin H. Goebbert, Ph.D., Oklahoma, 2009, Associate 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 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.

Adam Stepanek, ABD, Naval Postgraduate School, 2006, Instructor — aviation meteorology, sub seasonal prediction, severe weather.

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 8/1/15-7/31/16: 14 Bachelor's, 3 Masters, 0 Ph.D.

STUDENTS IN RESIDENCE: 53 Majors, 8 Masters, 15 Ph.D.

NOT IN RESIDENCE: 3 Ph.D., 1 Masters

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. Website: http://clas.uiowa.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: Professional and research degrees are offered in geography at The University of Iowa. The goal of our research graduate program is to prepare students to conduct creative research involving the development and use of geographic theories and methods. Our professional program is designed to provide students with the knowledge and skill needed to apply advanced geographic information technologies to real world problems. Through these programs, we prepare 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, and with private and government organizations engaged in both research and practice.

Our program specializes in: 1) environmental dynamics, 2) health geography, 3) geographic information science (GIScience), 4) sustainability science, 5) urban ecology, and 6) environmental hazards. Our research is often team-based and occurs at the intersection of two or more of these areas. GIScience as well as theories and models of environmental and social processes are central to these endeavors. We encourage students to gain experience in multiple areas and to design programs of study and research that reflect their interests, background, and goals. Each student works closely with their advisor to design this program, and active participation in research is a critical component of the graduate experience in the department. Faculty and graduate students frequently collaborate on research. To foster community and intellectual exchange, we encourage students to participate in regional and national professional meetings, seminars, reading groups, and a departmental colloquium series.

The university and the City of Iowa City provide a stimulating social, cultural, and academic environment. Excellent bookstores, galleries, and the Iowa Center for the Performing Arts provide big city advantages without the high costs and inconveniences of big city living. Academically, the University of Iowa is highly-ranked nationally and includes a medical school and the world-renowned Iowa Writers Workshop. Faculty and students participate in a variety of interdisciplinary research and teaching programs through key research centers and groups at the University. These include the Center for Global & Regional Environmental Research (CGRER), Environmental Modeling and Exposure Assessment Facility, Center for Health Effects of Environmental Contamination, Public Policy Center, International Programs, Interdisciplinary Graduate Program in Informatics, Quaternary Studies Group, College of Public Health, Department of Civil and Environmental Engineering, and IIHR—Hydroscience & Engineering. Our faculty members maintain close working relationships with faculty from many disciplines across campus, and students are encouraged to explore such opportunities.

A 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.

The department houses and maintains two computer facilities: the Geographic Information Systems Instructional Laboratory (GISIL) and a departmental research laboratory. The GISIL, which is the teaching facility for GIS and GIS applications courses, is equipped with 26 workstations. The department provides access to GPS receivers, terrestrial LiDAR and hyperspectral imaging sensors, UAVs (unmanned aerial vehicles), a 3D printer, and an Oculus Rift and other Virtual Reality equipment. There is also equipment for field-based biogeographical and ecological studies and a wide variety of software for mapping, statistical analysis, and GIS. The department also participates in an advanced GIS facility housed in CGRER and has access to high performance computing clusters maintained by the university.

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 108 Calvin Hall or admissions@uiowa.edu.

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 (GRE) General 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 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 a M.A. thesis. A
two-year coursework M.A., including a M.A. with specialization in GIScience, is offered.

**Ph.D. Degree Requirements:** The Ph.D. is a four- to five-year, postbaccalaureate program. While students typically enter the program after completing a MA or MS degree, exceptions can be made for highly qualified and motivated individuals who wish to enter the program directly from an undergraduate program. Competence in a specific area of geography, across the breadth of geography, and in geographical methods is demonstrated by the passing of 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 $19,020 for the two semester academic year of 2016-17, plus a full tuition scholarship and healthcare benefits. External research grants also provide for research assistants.

The 2017-18 tuition and fees rate for in-state graduate students is $10,114 for the academic year. Out-of-state students pay $28,655. All half-time and quarter-time Teaching and Research Assistants are charged at in-state rates, and are provided with a full tuition scholarship for the academic year. All half-time and quarter-time Teaching and Research Assistants are also provided with a 50% fee reduction. The deadline for applicants who wish to be considered for financial aid awards is December 31.

**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, infectious disease ecology, landscape genetics, population

Caglar Koylu, Ph.D., South Carolina, 2014, Assistant Professor — geographic information science, geo-social networks, big data, visualization

Marc Linderman, Ph.D., Michigan State University, 2002, Associate Professor — remote sensing, environmental modeling, 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

Heather A. Sander, Ph.D., University of Minnesota, 2009, Assistant Professor — geographic information science, land use/land cover, environmental modeling, ecosystem services

Silvia Secchi, Ph.D., Iowa State University, 2000, Associate Professor — environmental economics, environmental and conservation policy, economic, geographical, and environmental modeling

Eric Tate, Ph.D., South Carolina, 2011, Associate Professor — flood hazards, social vulnerability and resilience, uncertainty analysis

**ADJUNCT FACULTY:**

Joshua Basard, MURP, Illinois, 2006, Adjunct Instructor — sustainable urban development, urban and regional planning, LEED certification

Marion V. Maste, Ph.D., Iowa, 1995, Adjunct Faculty — cyberinfrastructure platforms, digital watersheds, sensors and sensing networks for integrated watershed research

David Osterberg, M.S, Wisconsin-Madison, 1975, Adjunct Professor — environmental policy, health policy, climate change, renewable energy

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

Kathleen Stewart, Ph.D., Maine, 1999, Associate Professor — geographic information science, modeling geospatial semantics, spatiotemporal data modeling, ontologies and GIS

Peter Weyer, Ph.D., Iowa, 1998, Adjunct Assistant Professor — water quality, chronic health effects, environmental epidemiology, environmental health policy

**EMERITI FACULTY:**

George P. Malanson, Ph.D., UCLA, 1983, Coleman-Miller Professor — ecological modeling, biogeography, landscape ecology, land use/land cover

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

R. Rajagopal, Ph.D., Michigan, 1973, Professor — environmental measurements, methods, monitoring and management, information systems, regulation, policy

Rebecca S. Roberts, Ph.D., Oregon State, 1982, Associate Professor Emeritus — political economy of the environment and natural resources, water and agriculture

Gerard Rashton, Ph.D., Iowa, 1964, Professor Emeritus — location theory, health, geographic information science, behavioral

**KANSAS**

**FORT HAYS STATE UNIVERSITY**

**DEPARTMENT OF GEOSCIENCES**

DATE FOUNDED: 1955

DEGREES OFFERED: B.S. (available on campus and online) and M.S. in Geosciences

CURRENT MAJORS: 90 undergraduates, 20 graduates

CHAIR: P. Grady Dixon

GRADUATE COORDINATOR: Laura Wilson Brantley

DEPARTMENT ADMINISTRATIVE ASST: Ms. Patricia Duffey

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Grady Dixon, Department of Geosciences, Fort Hays State University, 600 Park St., Hays, Kansas 67601-4099. Telephone (785) 628-5389 E-mail: pgdixon@fhsu.edu Web: http://www.fhsu.edu/geo/programs_and_facilities.html

PROGRAMS AND RESEARCH FACILITIES: The Department of Geosciences offers geography specializations that can be tailored to the student’s goals and interests. Our entire undergraduate program is offered on campus and online, including an undergraduate certificate in GIS. Graduate students can choose a thesis-based or non-thesis degree program designed to be finished in two years (30 hours of course work). The curriculum is very flexible and designed to encourage cross-discipline study.

While previously part of the College of Arts & Sciences, we are excited to be a founding member of a new College of Science, Technology and Mathematics. Geosciences has recently joined departments of agriculture, applied technology, biology, chemistry, math and computer science, and physics in a college that is designed to improve resources and visibility for our students.
Kansas State University

Department of Geography

Date Founded: 1946
Graduate Program Founded: 1959
Degrees Offered: B.A., B.S., M.A., Ph.D.
Granted: 9/1/16-8/31/17: 12 Bachelors, 6 Masters, 7 Ph.D.

Students in Residence: 55 Majors, 11 Masters, 12 Ph.D.

Not in Residence: 3 Masters, 4 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, environmental 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 and teaching 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:
Marcellos 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, GIScience, geography education, applied geography, water resources, 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
Audrey J. Joslin, Ph.D., Texas A&M, 2015, Assistant Professor — environmental governance, political ecology, biodiversity conservation, ecosystem services management, Latin America
Abigail L. Langston, Ph.D., Colorado, 2014, Research Assistant Professor — quantitative geomorphology, landscape evolution modeling, fluvial geomorphology, hydrology, Rocky Mountains
Max Lu, Ph.D., Indiana, 1996, Professor — population and health geographies, regional development, spatial analysis and modeling, China
Charles W. Martin, Ph.D., Kansas, 1990, Professor and Head — geomorphology, fluvial systems, Great Plains, Germany
Kendra K. McLauchlin, 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, historical geography, place attachment, migration, American Southwest, Mexico
Arnau J.A.M. Temme, Ph.D., Wageningen (Netherlands), 2008, Associate Professor — geomorphology, soil geography, soil and landscape evolution modelling, mountain soils and geography, Europe
Jida Wang, Ph.D., UCLA, 2013, Assistant Professor — remote sensing, GIS modeling, hydrological dynamics

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
Matthew R. Sanderson, Ph.D., University of Utah, 2008, Associate Professor (Sociology) — globalization, development, migration
David R. Seamon, Ph.D., Clark, 1977, Professor (Architecture) — sense of place, urban social

EMERITI FACULTY:
Kevin Blake
Charles E. Bassing
Karen De Bres Cole
David E. Kromm
Richard A. Marston
H.L. Seyler
William R. Siddall

UNIVERSITY OF KANSAS

DEPARTMENT OF GEOGRAPHY AND ATMOSPHERIC SCIENCE

DATE FOUNDED: 1947

GRADUATE PROGRAM FOUNDED: 1958

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

GRANTED 9/1/15-8/31/16: 21 Bachelors, 14 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 100 Majors, 16 M.A., 18 M.S., 37 Ph.D.

NOT IN RESIDENCE: 3 Masters, 2 Ph.D.

CHAIR: Nathaniel Brunsell

DEPARTMENT ADMINISTRATIVE ASST: Beverly M. Koerner

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Graduate Studies Committee, Department of Geography and Atmospheric Science, 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.
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 courses 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. or M.S. 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.

The Ph.D. degree in Atmospheric Science requires a minimum of sixty hours: thirty hours of coursework and thirty hours of dissertation research. Students will acquire a research skill in mathematics, statistics or applied science.

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, Professor — political ecology, tropical environments, Latin America

Nathanial A. Brunsell, Ph.D., Utah State, 2003, Professor — land-atmosphere interactions, remote sensing, micrometeorology

So-Min Cheong, Ph.D., Washington, 2001, Associate Professor — economic, sustainable resources, East Asia

Abel Chikanda, Ph.D., Western University, 2010, Assistant Professor — migration and development, food security and informal economy, Africa

Alexander C. Diener, Ph.D., Wisconsin, 2003, Associate Professor — political, social, cultural, Central Eurasia

Stephen L. Egbert, Ph.D., Kansas, 1994, Professor — remote sensing, 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

William C. Johnson, Ph.D., Wisconsin, 1976, Professor — Quaternary studies, geoarchaeology, environmental magnetism

Ting Lei, Ph.D., UC-Santa Barbara, 2010, Assistant Professor — GIS, remote sensing, and transportation

Xingong Li, Ph.D., South Carolina, 2000, 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, Professor — cultural, political, Russia, the Caucasus and Central Asia, environmental policy

David A. Rahn, Ph.D., Wyoming, 2008, Assistant Professor — atmospheric science, mesoscale and synoptic meteorology

Di Shi, Ph.D., Florida State, 2016, Lecturer and Director of Cartographic Services — remote sensing, land cover mapping, cartography

James R. Shortridge, Ph.D., Kansas, 1972, Professor — cultural, historical, United States

Justin P. Stachnik, Ph.D., Texas A&M, 2013, Assistant Professor — tropical meteorology, mesoscale precipitating systems, radar and satellite meteorology, cloud physics and dynamics

Pamela L. Sullivan, Ph.D., Florida International University, 2011, Assistant Professor — ecohydrology, hydrogeology, aqueous geochemistry

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:**

Joseph Brewer, Ph.D., Arizona, 2008, Courtesy Assistant Professor — natural resources management for American Indians & Alaskan Natives, Indian land tenure

Kelly Kindscher, Ph.D., Kansas, 1991, Courtesy Professor — plant community ecology research

Rolf D. Mandel, Ph.D., Kansas, 1990, Courtesy Professor — soils, geoarchaeology, Quaternary sediments

Valery J. Tervilliger, Ph.D., California, 1988, Adjunct Associate Professor — biegeography, geomorphology, geotechnical engineering

**EMERITI FACULTY:**

Leslie Dienes, Ph.D., Chicago, 1968
KENTUCKY

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: 42 B.A/B.S. 8 M.A., 21 Ph.D.

NOT IN RESIDENCE: 2 M.A, 14 Ph.D.
CHAIR: Richard H. Schein (schein@uky.edu)
ADMINISTRATIVE ASSISTANT: Lori Tyndall (Geography@uky.edu)
DIRECTOR OF GRADUATE STUDIES: Andrew Wood (andrew.wood@uky.edu)
DIRECTOR OF UNDERGRADUATE STUDIES: Alice Turkington (aliet@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 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. 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 ($14,848 for the year 2017–18), plus full tuition remission and health coverage. Fellowship support is also 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-Farriss, 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. Braun, 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, Professor — Critical cartography and GIS, new mapping technologies, theory

Patricia Ehrkamp, Ph.D. University of Minnesota, 2002, Associate Professor — Political, urban, feminist geography, immigration, citizenship, refugee studies

Carolyn Finney, Ph.D. Clark University, 2006, Assistant Professor — Identity, representation, difference and place, race and environment, environmental humanities

P.P. Karon, Ph.D. Indiana, 1956, Professor Emeritus — Development, multinational corporations, society-environment relationships, Asia/Pacific, Japan, South Asia

Liang Liang, Ph.D. University of Wisconsin-Milwaukee, 2009, Associate Professor — Bioclimatology, landscape phenology, remote sensing, and spatial ecology

Tad Matersbaugh, Ph.D. University of California-Berkeley, 1994, Professor — Political ecology, gender & development, agrarian studies, certified commodities, Mexico and Latin America

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


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 and Hajja Razia Sharif Sheikh Islamic Studies Professor — Political, cultural, Islamic world, social theory, feminist geographies

Gary Shannon, Ph.D. Michigan, 1970, Professor — Medical Geography: disease ecology, health services delivery, telemedicine, global dynamics of health and disease

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 and Director of Undergraduate Studies — Geomorphology, weathering, urban environments, applied geomorphology

Andrew Wood, Ph.D. Ohio State, 1993, Associate Professor and Director of Graduate Studies — Economic, political, and urban geography
Matthew W. Wilson, Ph.D. University of Washington, 2009, Associate Professor — Critical GIS, urban political geography, science and technology studies
Matthew Zook, Ph.D. University of California, Berkeley, 2001, Professor — Information and economic geographies, urban technologies, critical GIS

GYULA PAUER CENTER FOR CARTOGRAPHY AND GIS:
Jeff Levy, B.A. Kentucky, 2000, GIS Analyst — GIS and applications in planning, transportation, and historical research

AFFILIATED AND ADJUNCT FACULTY:
Oliver Fröhling, MA, 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 7/1/15-6/30/16: 22 Bachelors; 7 Masters
MAJORS: 136
CHAIR: David A. Howarth
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 visit: 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, Geospatial Technologies, and Human and Cultural Dynamics. The B.S. degree has a common core consisting of Global Environment, Power of Place, Globalization and Diversity, Introduction to Mapping and Geospatial Technologies, Sustainable Human Environments, Quantitative Analysis, Research Methods, and Senior Thesis. Advanced specialization courses include Climatology, Geomorphology, Geopolitics, Qualitative Methods, Hydrology, Medical Geography, Remote Sensing, GIS, Programming for GIS and Spatial Data Analysis, Transportation, Locational Analysis, Urban Population, Globalization, and Urban Issues. 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. Thesis and non-thesis options are available.

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, Associate 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
Priscilla McCutcheon, Ph.D. University of Georgia, Assistant Professor — race and ethnicity, black geographies, food and agriculture, food justice, spiritual and religious geographies
Keith R. Mountain, Ph.D., Ohio State, Associate Professor — glaciology, radiation and boundary layer climatology, geography education
Jason Naylor, Ph.D., North Dakota, Assistant Professor — meteorology, severe weather, tornadoes, numerical weather prediction, storm-scale modeling
Wei Song, Ph.D., Ohio State, Associate Professor — transportation and location analysis, urban and regional studies, GIS applications, quantitative methods, China
Forrest R. Stevens, M.S., University of Florida, Assistant Professor — integrated modeling and quantitative spatial analyses, land systems science, remote sensing, rural lands and livelihoods
Margath A. Walker, Ph.D., Kentucky, Associate 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. Bieman, Ph.D., Michigan State, 1970, Professor Emeritus
Terra A. Clarke, Ph.D., UC, Riverside, 1977, Professor Emeritus
James E. Conkin, Ph.D., Cincinnati, 1939, 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
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 $12,500 – Master’s and $14,750 - PhD for nine months. Pruitt assistantships start higher. Regents ($12,000-$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, R.J. Russell and Materials awards (http://www.ga.lsu.edu/).

FULL-TIME FACULTY:
Mary Jill Brody, PhD, Washington, 1982, Doris Z. Stone Professor — linguistics, discourse analysis, anthropology, Mayan languages
Juliet K. Brophy, PhD, Texas A&M, 2011, Assistant Professor — hominin evolution, cranial and dental morphometrics analyses, paleoenvironmental reconstruction, Elliptical Fourier Function Analyses, taphonomy, southern Africa
Kerry R. Chance, PhD, U of Chicago, 2011, Assistant Professor — cultural, political, legal & Africanist anthropology
David Chicoine, PhD, U. of East Anglia, 2007, Associate Professor and Graduate Director — 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, Associate Professor — paleoclimate, tropical climate variability, time series analysis, Gulf of Mexico/Caribbean and southwest Pacific
Joyce M. Jackson, PhD, Indiana, 1988, Professor — ethnoscience, folklore, performance centered studies and ritual, Louisiana, Africa & the Diaspora
Barry Keim, PhD, Louisiana State, 1994, Richard J. Russell Professor and Louisiana State Climatologist — climatic change, extreme events, hydroclimatology, climate data
Kory Konsoer, PhD, University of Illinois, Urbana-Champaign, 2014, Assistant Professor, LSU Coastal Studies Institute (CSI) Fellow — fluvial geomorphology, sediment transport, river hydraulics, watershed hydrology
Michael Leitner, PhD, SUNY-Buffalo, 1997, Professor — spatial analysis and GIS, computer cartography, Europe
Ginesse A. Listi, PhD, Tulane, 2008, Assistant Professor-Research, Director FACES Lab — physical and forensic anthropology
Brian Marks, PhD, University of Arizona, 2010, Assistant Professor — political geography, economic geography, geography and aquaculture, Southeast Asia, US Gulf Coast
Kent Mathewson, PhD, Wisconsin, 1987, Fred B. Kniffen Professor — cultural, historical, cultural ecology, history of geography, Latin America, American South
Heather McIlknap, PhD, California-Santa Barbara, 1988, Thomas and Lillian Landrum Alumni Professor — coastal and underwater archaeology, Maya, Belize, 3D Digital Imaging and 3D Printing
Shelley Xuelian Meng, PhD, Texas State Univ, San Marcos, 2010, Assistant Professor, LSU Coastal Studies Institute (CSI) Fellow — land-cover/land-use dynamics, urban remote sensing, GIS, feature extraction and 3D visualization, LiDAR for urban and forest applications
Steve Namikas, PhD, Southern California, 1999, Associate Professor — coastal and aeolian geomorphology, sediment transport, environmental monitoring and modeling
Richard H. Kesel, PhD, Maryland, 1971, Professor Emeritus —
geomorphology, soils, biogeography
Robert A. Muller, PhD, Syracuse, 1962, Former Director, Southern Regional Climate Center — climatology, hydrology, synoptic meteorology, North America

AFFILIATED FACULTY AND STAFF:
Maria Allaire, MA, Louisiana State, 2002, Research Associate —
FACES Lab, Louisiana Repository for Missing Persons and Unidentified Remains
Lake Driskell, MS, Louisiana State 2010, Computer Analyst
Larry Livaudais, MFA, University of Florida 1996, Imaging Specialist/Research Associate — FACES Lab, facial reconstruction
Kyle Brehe, MS, S. Dakota School of Mines, 2007, Research Associate and Services Climatologist — climatology
John Grymes, MS, Delaware, 1986, Professional in Residence —
climatology
Yixin Luo, PhD, Louisiana State University — Systems Manager, Systems engineer/HPC

MAINE

UNIVERSITY OF SOUTHERN MAINE

GEOGRAPHY-ANTHROPOLOGY PROGRAM

DATE FOUNDED: 1971

DEGREES OFFERED: B.A.

GRANTED 9/1/16-8/31/17: 9 Bachelors

MAJORS: 37

CHAIR: Lydia Savage

DEPARTMENT ADMINISTRATIVE ASST: Karyn Demmons

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; (Muskie School of Public Service) (207) 780-4847. Internet: www.usm.maine.edu/gany, http://usm.maine.edu/gis/

PROGRAMS AND RESEARCH FACILITIES: The Geography-Anthropology program is part of the Muskie School of Public Service, is affiliated with the Osher Map Library and Smith Center for Cartographic Education, and is the home of USM-GIS. It offers a 36-39 credit hour interdisciplinary undergraduate degree in which students combine both disciplines to study human-environment interrelationships. Students are encouraged to complete an internship or to complete a field school as part of their course of study. They may concentrate in one of three tracks: Sustainable Cultures; Communities; Cultural; Natural Heritage Management, or; Applied GIS and Geospatial Analysis. Geography-Anthropology Teacher Education tracks for both elementary and secondary education are available. Minors are available in anthropology, archaeology, geography, planning and GIS. Students can also earn a 12-14 credit Certificate in Applied GIS. Students can also opt to apply for an accelerated admissions Master’s degree in Planning Policy and Management.

The Bachelor of Arts in geography-anthropology emphasizes the integration of the two disciplines and the common interests in examining the relationship between human populations and their natural and built environments. The major is an interdisciplinary degree program. Students enrolled in the major may specialize in any
one of three tracks in: (1) Sustainable Cultures and Communities; (2) Cultural and Natural Heritage Management; or (3) Applied Geographic Information Systems (GIS) and Geospatial Analysis. The undergraduate BA in Geography-Anthropology (GYA) and graduate Master’s in Policy, Planning, and Management (MPPM) programs in the Muskie School of Public Service offer an accelerated undergraduate-graduate degree pathway for prospective students. The close disciplinary connections between these programs and their focus on the relationship between human populations and their natural and built environment, sustainability, community development, policy and planning allow for a unique undergraduate-graduate educational opportunity.

The major thrust of the program’s work at all levels, from teaching to research, is in developing and applying disciplinary skills to real world problem-solving. Six dedicated Geography, GIS and Archaeology laboratories and an array of field equipment support this effort.

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 adequately 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 — GIS, human-environment interaction, geomorphology
Marc Anne Dobres, Ph.D., University of California at Berkeley, 1995, Adjunct Professor — Gender, race, agency, technology, Ice Age art, museums, anthropology of indigenous visual culture, and history and sociopolitics of archaeology
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
Nathan D. Hamilton, Ph.D., Pittsburgh, 1985, Associate Professor — Northeast prehistory, Andean Peru prehistory, maritime adaptation, quantitative methods
Yuseung Kim, PhD., University of Colorado, Ph.D., 2010, Associate Professor — Sustainable development, agent-based modeling, GIS, urban design, planning support system, land use planning, and community development
Sarah Lockridge, Ph.D., American University, 2008, Adjunct Professor — Gender, economics, development and tourism, indigenous rights, race, ethnicity, nation, and global climate change
Firoozeh Pavey, Ph.D., Ohio State University, 1999, Professor — Human-environment interactions, landscape change, remote sensing/GIS
Lydia A. Savage, Ph.D., Clark, 1996, Professor — social geography, urban geography, gender issues, labor unions
Mark Swanson, Professor, PhD, North Eastern, 1975 — structural geology, field mapping, GIS, drone survey
Vinton Valentine, Ph.D., University of Delaware, 2003, Adjunct Professor; Director of GIS — GIS, remote sensing, free & open source geospatial software, coastal and marine geography
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
Franklin D. Hodges, MA, 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

BOWIE STATE UNIVERSITY

DEPARTMENT OF HISTORY AND GOVERNMENT

DEGREES OFFERED: Geography Minor

CHAIR: Dr. Sammye Miller

PROGRAM ADMINISTRATIVE ASSISTANT: Betty Carrico

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of History and Government, 0250 Martin Luther King Jr. Communications Arts Center, 14000 Jericho Park, Road, Bowie, MD 20715, Phone: (301) 860-3600, Email: bcarrico@bowiestate.edu, Internet:https://www.bowiestate.edu/academics-research/colleges/college-arts-sciences/departments/history-and-government/

PROGRAMS AND RESEARCH FACILITIES: The Department of History and Government offers a minor in geography. Bowie State University is one of the few Historically Black Colleges and Universities (HBCUs) in the country that offers a minor in Geography. Bowie State University geography faculty specialize in cultural, economic, and regional studies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: In order to complete a minor in geography, a student has to complete Elements of Geography I & 2 and any 4 geography electives for a total of 18 credits.

FACULTY:
Sumanth G. Reddy, PhD, Kansas State University 2013, Assistant Professor and Coordinator — Human, medical, tourism, Africa, South Asia

ADJUNCT FACULTY:
Petronella Muraya, PhD.

FROSTBURG STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1964

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

GRANTED 9/1/15-8/31/16: 21 Bachelors

MAJORS: 89

CHAIR: James C. Saku

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 4724. Fax (301) 687-4495. E-mail: jsaku@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 37 workstations, two 42" plotters, one 60" plotter, one 42" scanner, and 2 large-format digitizing tablets. Other peripherals include color printers, laser jet printers, small-scale floor 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, Associate Professor — physical geography (Quaternary period; last 2.5 million years), historical geography, physical geography, 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 visualization, and GIS

Henry W. Ballamore, AIFCP, 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

Jonathan M. Floyd, Ph.D., Texas at Austin, 2016, Assistant Professor — geochronology, paleoecological analysis, paleoclimatology

Francis L. Precht, Ph.D., Georgia, 1989, GISP, Professor — biogeography, GIS science, conservation, geography of alcohol

Matthew E. Rampsott, Ph.D., 2006, Kansas, Associate Professor — remote sensing, aerial photo interpretation, land use/land cover, biogeography, environmental geography

Richard A. Russo, Ph.D., 2009, University of Maryland, Associate Professor — cultural, regional and urban geography, geography of food, sustainability issues

James C. Saka, Ph.D., 1995, Saskatchewan, Professor — economic development, North America, human, quantitative analysis, locational analysis, transportation, Sub-Saharan Africa

William A. Wetherholt, Ph.D., 2016, Kansas State, Assistant Professor — place attachment and place identity, critical cartography, ethics in GIS, rural geography, qualitative and mixed methods, geographic education

ADJUNCT FACULTY:
Tracy L. Edwards, M.A., Syracuse, 2010, Adjunct Lecturer — human and physical geography


Steven M. Guinn, B.S, Frostburg State 2007, Adjunct Lecturer — mapping science

EMERITI:

Donald W. Duckson, Jr., Ph.D., Colorado, 1979, Professor Emeritus — fluvial geomorphology, hydrology, environmental monitoring and evaluation, surveying, physical geography, 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. Smull, Ph.D., Wisconsin-Madison, 1973, Professor Emeritus — glacial and pleistocene geomorphology, soils genesis and characterization, soil analysis, historical geography

SALISBURY UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND GEO SCIENCES

DATE FOUNDED: 1955

DEGREES OFFERED: B.S. in Geography, B.S. in Earth Science and B.S. in Urban and Regional Planning; M.S. in GIS Management

GRANTED 9/1/15-8/31/16: 31 Bachelors, 4 Masters

MAJORS: 108 Geography, 42 Earth Science, 18 Masters

CHAIR: Daniel W. Harris

PROGRAM MANAGEMENT SPECIALIST: Jennifer Gordy

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and Geosciences, Salisbury University, 1101 Camden Ave., Salisbury, Maryland 21801. Telephone (410) 543-6400. Fax (410) 548-4506. E-mail: dwarris@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 five tracks in the undergraduate Geography major: Atmospheric Science, Geographic Information Science, Human Geography, Physical Geography, and General Geography. The Department also offers a major in Earth Science, including a General Earth Science track and tracks in Secondary Education and GeoEnvironmental Science and a major in Urban and Regional Planning, with tracks in Land Use Planning and Environmental Planning. 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 48 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 and Geology 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, the Geographic Society, the Smart Growth Club and the AMS Student Chapter 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. MS/GISM: year-round instruction and rolling admission. Application must be made to SU Graduate School. See website (above) for details and admission forms.

FACULTY:
- Amal K. Ali, Ph.D., Florida State, 2002, 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. Cawthorn, Ph.D., University of New Hampshire, 2013, Assistant Professor — geochemistry, sedimentology, stratigraphy, marine geology
- 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
- Stuart Hamilton, Ph.D., University of Southern Mississippi, 2012, Associate Professor — GIS, remote sensing, land cover change
- Daniel W. Harris, Ph.D., University of Maryland, 2012, Associate Professor and Department Chair — physical geography, geoscience education, GIS
- Arthur J. Lembo, Jr., Ph.D., SUNY College of Env. Sci. & Forestry, 1997, Professor — GIS, spatial modeling, extreme event monitoring, cartography, mapping science, quantitative methods
- Fulbert Namwamba, Ph.D., Iowa State, 1998, Professor — geology, water resources and environmental studies
- Darren B. Parnell, Ph.D., South Carolina, 2005, Associate Professor — climatology, meteorology, quantitative methods
- Craig A. Ramseur, Ph.D., University of Georgia, 2016, Assistant Professor — climatology and meteorology
- Michael S. Scott, Ph.D., South Carolina, 1998, Professor — GIS, environmental hazards, cartography
- Keota Silaphone, ABD, University of Maryland College Park, Lecturer — GIS, terrestrial nutrient inputs, watershed planning
- Brent R. Skeeter, Ph.D., Nebraska-Lincoln, 1988, Professor and Associate Chair — climatology, meteorology, research methods
- Vanessa Smullen, ABD, University of Maryland College Park, Lecturer — physical geography, environmental engineering, groundwater, physical science
- Brent J. Zaprowski, Ph.D., Lehigh, 2001, 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., M.A., Combined B.A or B.S / M.A.

GRANTED: 9/1/14-8/31/15 38 Bachelors, 9 Masters

STUDENTS IN RESIDENCE: 105 Majors: 27 Masters

CHAIR: Virginia Thompson (vthompson@towson.edu)

GRADUATE COORDINATOR: Charles Schmitz (cschmitz@towson.edu)

FOR CATALOG AND FURTHER INFORMATION: Check the department website at www.towson.edu/geography.

CONTACT INFORMATION: Department of Geography and Environmental Planning, Towson University, 8000 York Rd., Towson, Maryland 21252. Telephone (410) 704-2973. E-mail: geography@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
ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Admission to the university is essentially based on evaluation of high school records and the SAT I 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://onesop.towson.edu/finalid/).

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

Nathan Burtch, Ph.D., University of Maryland, 2016, Lecturer — Geography of religion, quantitative methods, urban planning, GIS and cartography

Natasha Fath, Ph.D., Moscow State University, Lecturer — Russia, environmental geography, physical, world regional

Kelsey Hanrahyan, Ph.D., University of Kentucky, 2015, Assistant Professor — Development and Livelihoods, Gender and Ageing, Families and Intergenerational Relationships, Feminist Geographies, Geographies of Care, Sub-Saharan Africa, Qualitative Methodologies.

Sya Baryn 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

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 Schmitt, 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 Thepbanya, Ph.D., Georgia, 2003, Associate Professor — Cartography/geographic visualization, GIS, remote sensing

Virginia Thompson, Ph.D., Oklahoma, 1995, Associate Professor and Chair — Urban, social, regional, geographic education

PART-TIME FACULTY:

Douglas Adams, M.A. — GIS Database Design, Photogrammetry

D. Brett Collins, M.A. — Physical, Regional, International Affairs

Peter Conrad, M.A. — Urban and Regional Planning

Ashley Enrici, A.B.D. — Human Geography

Charles L. Goodman, M.R.C.P. — Transportation planning, Comprehensive Planning

Jonathan Lesh, M.A. — Physical, Human, Geography of Maryland, Urban Systems

Jeremy Munn, M.A. — Map Interpretation

Timothy Scott Prisett, Ph.D. — Physical, human and world regional Geography

Henry L. Schupple, Jr., M.A. — World Regional, Physical Geography

Alireza Shahnari, Ph.D. — Physical Geography

Omar Young, M.A. — Human Geography

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, Ph.D.

GRANTED 1/1/11-12/31/11: 85 Bachelors

MAJORS: 320 Majors, 56 Masters, 16 Ph.D.

CHAIR: Alan Yeakley

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: http://ges.umbc.edu/

PROGRAMS AND RESEARCH FACILITIES: The department offers a B.A. degree in geography & environmental studies, a B.S. in environmental science & geography, 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, 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). 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 among 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, Computer Science, Information Systems, 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 10 network, currently offering 33 workstations and related peripheral devices with access to ESRI, ERDAS, QGIS, and Agisoft Photoscan software along with selected other packages; the cartography instruction lab has 17 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 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, NAOA, 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 B.A. requires a minimum of 48 credit hours (44 within the department), the B.S. requires 63 credit hours (39 within the department). 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 (http://ges.umbc.edu/).

**FACULTY:**

- **Dena Aufmuth,** Ph.D., University of Washington, 2012, Assistant Professor — Critical Poverty Studies, urban change, international development
- **Matthew Baker,** Ph.D., University of Michigan, 2002, Professor — Ecosystems ecology, stream and riparian ecology, landscape ecology, quantitative methods
- **Dawn Biehler,** Ph.D., University of Wisconsin, 2007, Associate Professor — Health geography, urban environmental history, environmental justice
- **Suzanne Braunschweig,** Ph.D., Virginia Polytechnic Institute and State University, 1993, Senior Lecturer and Director of Interdisciplinary Science Program — Plant biology, science education
- **Erle C. Ellis,** Ph.D., Cornell, 1990, Professor — Biogeochemistry, landscape ecology, managed ecosystems
- **Matthew Fagan,** Ph.D., Columbia, 2014, Assistant Professor — Forest ecology, conservation biology, sustainability science
- **Jeffrey Halverson,** Ph.D., University of Virginia, 1995, Professor — Tropical meteorology, hurricanes and severe weather
- **Margaret Holland,** Ph.D., University of Wisconsin-Madison, 2009, Associate Professor — Conservation and development, Geospatial analysis of human-environment interactions, protected areas
- **David Lansing,** Ph.D., Ohio State, 2009, Associate Professor — Nature-society, environmental policy, agrarian change
- **Andrew J. Miller,** Ph.D., Johns Hopkins, 1983, Professor — Geomorphology, hydrology, water resources
- **Joseph C. School,** M.A., Temple, 1983, Instructor and Director of GeoSpatial Labs — Cartography
- **Colin Studds,** Ph.D., University of Maryland, 2009, Assistant Professor — Macrobiolgy, biogeography, species management strategies in context of global change
UNIVERSITY OF MARYLAND, COLLEGE PARK

DEPARTMENT OF GEOGRAPHICAL SCIENCES
DATE FOUNDED: 1942
GRADUATE PROGRAM FOUNDED: 1942
DEGREES OFFERED: B.S., B.S./M.S., Master of Professional Studies in GIS (MPS/GIS), Geospatial Intelligence (MPS GEOINT) Ph.D.

GRANTED SPRING 2017: 71 Bachelors, 29 MPS/GIS, 1 Graduate Certificate in GIS, 10 Ph.D.

STUDENTS: 250 Majors, 109 MPS/GIS, 72 Ph.D.

CHAIR: Chris Justice

DIRECTOR OF ADMINISTRATION: Vivre Bell

GRADUATE APPLICATION COORDINATOR: Rachel Berndtson (Ph.D. program), Kristen Bergery (MPS program)

GRADUATE DIRECTOR: Laixiang Sun

FOR FURTHER INFORMATION CONTACT: Department of Geographical Sciences 2181 LeFrak Hall, University of Maryland at College Park, College Park, MD 20742-8225. Telephone (301) 405-4050. Fax (301) 314-9299. Internet sites: Department, www.geog.umd.edu; Campus, www.umd.edu.

RESEARCH FACILITIES AND PROGRAMS: The University of Maryland, Department of Geographical Sciences maintains one of the most active externally funded geographic research programs in the U.S.A. Over the last two decades, this research has rapidly expanded and evolved to address the growing importance of geographical issues in public policy and research. In addition to the Teaching Faculty, there are ~100 Research Faculty in residence. The Department is housed in 25,000 sq. ft. on the main College Park campus and (11,000 sq. ft.) in an off-campus research building (Hartwick Bldg.). Three teaching laboratories are dedicated to computer-based instruction of geospatial information sciences with over 75 PCs dedicated to teaching and graduate research. The research laboratories support Linux, and high-end PC machines, with very high performance processors and multi-terabyte RAID arrays. An extensive range of software is available, including satellite data processing, image analysis, and ESRI GIS packages. Many opportunities exist for students to participate in externally funded research projects and field research. Scalable, shared departmental HPC resources are available for graduate students and faculty to use and research projects to build on. The Department has recently developed a Center for Geospatial Information Science (CGIS) with faculty joint appointments in the University’s Institute for Advanced Computer Studies (UMIACS). The Center offers short courses on advanced geospatial methods. The Department has also recently established a Joint Carbon Cycle Science Center with the NASA Goddard Space Flight Center, with opportunities for graduate fellowships.

Research specializations in the department cover four major areas:

- **Human Dimensions of Global Change:** The department’s ultimate research goal is to advance an integrated understanding of the coupled Earth system including spatially distributed human processes. Our research addresses both fundamental and applied issues in coupled human and natural systems, such as population, socio-economic development, consumption and production, poverty, climate impacts and adaptation, vulnerability and mitigation, as well as the examination of policy options and trade-offs on sustainability. Our scientists investigate both the human socio-economic system and the climate system, and their linkages.
• Geospatial Information Science and Remote Sensing: Collecting and interpreting geospatial data is central to everything we do as geoscientists, whether on computers or in the field. From local events to multi-scale processes, our faculty are developing and applying advanced remote sensing capabilities and GI Science that will help us to develop the next generation of GI technologies and understanding of the world’s geography. The Department is renowned for its satellite remote sensing. Our strengths include sensor calibration and design, image processing and global product development, advanced computer modeling, scientific and geographic visualization, geocomputing, spatial statistics, and semantic learning.

• Land Cover-Land Use Change: Land-cover and land-use change is a key interface between human and natural systems. Our scientists are world leaders in the remote sensing of land-cover change. This information is actively combined with human socio-economic data to study past land cover and land use change and to inform advanced modeling of spatially-explicit future scenarios. These methods are used to simultaneously address social, economic, carbon, climate, biodiversity and other aspects of land-use changes. We developed global monitoring systems for agriculture, fire, droughts, floods, desertification, and other catastrophic events, to study societal impacts, adaptation and vulnerability.

• Carbon, Vegetation Dynamics and Landscape-Scale Processes: The department carries out a broad array of research focused on monitoring vegetation dynamics, with a particular focus on mapping and studying human and natural disturbances and their landscape-scale impacts, as well as changes to the earth surface as a result of climate variability. This research involves integration of field-based research with remotely-sensed observations to address key scientific uncertainties. Alterations to the global carbon cycle are changing atmospheric composition and climate with implications for human well-being and a particular focus of our research is on monitoring and modeling the terrestrial carbon cycle with unprecedented sophistication and resolution.

The Washington, D.C. Metropolitan area is an exceptional location in which to pursue geographic research. Many national and international agencies and organizations are within a short distance of the campus. Major national research laboratories are close by, including the NASA Goddard Space Flight Center, the Joint Global Change Research Institute, the USDA Beltsville Agricultural Research Center, the National Archives, Bureau of the Census, National Institutes of Health, USGS, National Geospatial-Intelligence Agency (NGA), NOAA and the Offices of the US Global Change Research Program. International and non-governmental agencies are also located within easy reach, including Conservation International, The Nature Conservancy, World Wildlife Fund, the World Bank, the National Geographic Society, and many others. Corporations, businesses, and nonprofit organizations that use geographical applications are also well represented. Libraries on campus and nearby are unrivaled anywhere in the world. The University of Maryland is also located in a region of extraordinary geographic diversity, including two major urban centers (Baltimore and Washington, D.C.), the Appalachian Mountains, Piedmont, Coastal Plain, Chesapeake Bay, and the Atlantic Coast.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: The College Park campus operates on a semester system. Admission applications are received for freshman and transfer-student admission. To apply online, go to www.geog.umd.edu/funding/undergraduate or e-mail geog-advice@umd.edu with any questions. UMD Geographical Sciences offers major programs in Geography and GIS/Remote Sensing. Students specializing in Geography will be exposed to a diversity of coursework focused on human-environmental interactions, and will choose between two tracks: Development and Sustainability or Environmental Systems and Natural Resources. Students specializing in GIS will get computer training in the digital processing of remote sensing observations and cartographic vector data, spatial analysis, and the display of information products in ENVI and GIS software. Associated with these programs, the Department offers an honors program that allows undergraduates to work closely with a faculty mentor on independent research. In addition, the Department participates in the cross-campus Environmental Science and Policy (ENSP) program. Within ENSP, a multidisciplinary degree, Geography specifically sponsors the (1) Land Use, (2) Global Environmental Change, and (3) Marine and Coastal Management concentrations. The Department also offers two minors, one in Geographic Information Science (GIS) and one in Remote Sensing of Environmental Change (RSEC). The GIS Minor is designed to give undergraduate students from other majors the technical skills required to acquire, manage, and analyze geographic data, while the RSEC Minor is designed to build students’ understanding of global environmental change in order to assess their impacts on the physical and human landscapes, using remote sensing as an analytical tool for identifying the impacts. For more detailed information on all undergraduate programs, see the department’s web site at: www.geog.umd.edu/funding/undergraduate or email us at geog-advice@umd.edu.

Graduate: The Department of Geographical Sciences at UMD offers a PhD degree in Geographical Sciences. In addition, the Department offers a Master of Professional Studies (MPS) degree in Geospatial Information Sciences, http://www.geog.umd.edu/gis/ as well as a graduate certificate in GIS, as well as a Master of Professional Studies (MPS) degree in Geospatial Intelligence as well as a graduate certificate in Geospatial Intelligence, https://geospatial.umd.edu/education/overview. Admission to the Graduate program does not require prior geography studies and students from related physical and social sciences are encouraged to apply. Closing date for applications is December 15 for Fall admissions for the PhD program, and July 31 for the MPS Graduate Certificate in GIS programs. Full details of University graduate regulations can be found in The Graduate Catalog, available at http://apps.gradschool.umd.edu/Catalog/public-programs-detail.php?GEOG. Details of the Geographical Sciences graduate degree requirements are regularly updated and available at www.geog.umd.edu.

The Master’s Program: A 5 year BS/MS program option is offered to our best undergraduate students in their junior year.

The PhD Program: Admission to PhD program requires sponsorship by at least two Department Faculty members as well as meeting the admission requirements: cumulative undergraduate GPA of 3.3, GRE combined score of 320 or better. Foreign applicants must submit a Test of English as a Foreign Language (TOEFL, IBT 100). In addition, three letters of recommendation are required along with a statement of objectives and specialization consonant with current faculty specialties. Details on course requirements prior to advancement to candidacy, for students entering the program with a Masters and Bachelors degree can be found at geog.umd.edu/graduate/requirements.

The MPS GIS and GC GIS Program: The Master of Professional Studies (MPS) is a 31-credit degree in Geospatial Information Sciences offering comprehensive training in the key areas of GIS, including geographic information sciences, remote sensing techniques, spatial analytical methods, modeling, and specialized computer programming tailored to GIS needs. The MPS Graduate Certificate in GIS offers a 12-credit overview of Geospatial Information Sciences from the same topical areas. Master’s degree and certificate requirements, as well as admission requirements and application forms, are posted on the web at: http://www.geog.umd.edu/gis/.
FINANCIAL AID: Financial Aid in the form of teaching assistantships, research assistantships, and various fellowships are available. Salary for a part-time (20 hrs/week) 9.5 month TA or GRA starts at $20,602 plus full tuition remission and an option for health insurance, and goes to $21,633 for a PhD student advanced to candidacy. Graduate Assistants can enroll the UMD employee subsidized health insurance plan and will pay the same premiums as faculty and staff. Tuition remission is worth $21,088 per year, and insurance subsidies are worth approximately $6,677 (individual) and $15,965 (family) based on the insurance level chosen. Some opportunities exist for funding during the summer months. For more information on the graduate programs, contact the graduate advising office: phone, (301) 405-9149; email, rberndts@umd.edu; or the Graduate Director, Dr. Li Xiaxiang Sun: phone, (301) 405-4556; lxi@umd.edu. For information on the MPS GIS program go to http://www.geog.umd.edu/gis/.

LECTURERS:
Rachel Berndtson, Ph.D., University of Maryland 2009 — Human dimensions
Allen B. Enay, M.A., University of Maryland 1985 — Maryland and the Chesapeake, human dimensions
Rubio Han, Ph.D., University of Ottawa 2012 — GIS and remote sensing
Eunjung Lim, Ph.D., SUNY at Buffalo 2009 — spatiotemporal analysis, GIS modeling, programming
Ronald Luna, Ph.D., University of Maryland 2009, Undergraduate Director — Latin-American migration, transnationalism, cultural spaces,
Jianguo Ma, Ph.D., Cornell 2006, MPS/GIS Program Director — Renewable energy and sustainable development
Jonathan Rosso, Ph.D., Virginia Tech 2010 — Modeling of environmental, hydrological, agricultural and ecological systems
Joseph Trocino, B.A., University of Maryland 1967 — study abroad programs focused on the Caribbean Archipelago
Keith Yearwood, Ph.D., University of Florida 2010 — fluvial geomorphology
Naijun Zhou,* Ph.D., University of Wisconsin 2005 — Geographical Information Science

RESEARCH PROFESSORS:
Varaprasad Bandaru, Ph.D., University of Delaware 2009, Associate Research Professor — geospatial modeling of agricultural systems, biofuels, crop yield modeling, cropland carbon dynamics
Inbal Becker-Resh représentatif, Ph.D., University of Maryland 2012, Research Assistant Professor — application of satellite information for agricultural monitoring at national and global scales
Molly Brown, Ph.D., University of Maryland 2002, Associate Research Professor — nature-society interface, food security, agricultural development
Louise Chini, Ph.D., Cornell 2003, Research Assistant Professor — global land-use change, coupled human-natural systems, Earth system science
Ariane De Bremond, Ph.D., UC Santa Cruz 2006, Research Assistant Professor — climate change and development, socio-economic teleconnections and interactions with land-use change processes, REDD
Jan Dempewolf, Ph.D., U. of Maryland 2007, Research Assistant Professor — agriculture and supporting ecosystem services, vegetation fire and land cover dynamics, remote sensing
Evan A. Ellicott, Ph.D., University of Maryland 2009, Research Assistant Professor — land cover and land use change, fire ecology, remote sensing
William Emanuel, PhD, Oklahoma State University 1975, Research Professor — global carbon cycle, terrestrial processes, land-cover/land use changes
Kaihui Peng, Ph.D., University of Leeds 2011, Research Assistant Professor — sustainable consumption and production, human dimensions of global change
Min Feng, Ph.D., Chinese Academy of Sciences 2008, Research Assistant Professor — ecosystem services and hydrological modeling with intensive data and computation, geo-spatial based environment model development and integration

Belen Franch, Ph.D., University of Valencia, 2013, Research Assistant Professor — surface albedo, atmospheric correction in the solar spectrum, agricultural monitoring

Louis Giglio, Ph.D., U. of Maryland 2006, Research Associate Professor — global fire monitoring and fire emissions, remote sensing, and satellite direct broadcast applications

Samuel N. Goward,* Ph.D., Indiana State 1979, Research/Emeritus Professor — remote sensing, climatology, numerical analysis, modeling

Pierre Galilevic, Ph.D., Paul Sabatier University 1999, Research Associate Professor — earth surface properties, ecosystem, hydro processes

Tao He, Ph.D., University of Maryland, Research Assistant Professor — land surface energy budget, data fusion on satellite products

Michelle Hofton,* Ph.D., Durham University 1995, Research Associate Professor — topographical measurements and applications

Chengyuan Huang,* Ph.D., University of Maryland 1999, Research Professor — land cover, land cover change, vegetation modeling, image analysis

Roberto César Saquaralde,* Ph.D., Kansas State 1985, Research Professor — soil organic matter dynamics and greenhouse gases in agricultural systems, ecosystem response to climatic change

Curtis Jones, Ph.D., University of Florida 2013 — modeling biogeochemical cycling within agricultural systems

David Lagomasino, Ph.D., Florida International University 2014 — Coastal wetland processes, blue carbon dynamics, remote sensing of forest structure

Mengxue Li, Ph.D., Wuhan University of Technology 2009, Research Associate Professor and Director of International Programs — data and government policy, land cover/land use change, international S & T Cooperation in Earth Observation Area

Janet Nickoney, Ph.D., University of Maryland 2012, Research Assistant Professor — conservation land-use planning, habitat fragmentation, land use/land cover change and deforestation monitoring, food security

Jyoteshwar Nagol, Ph.D., University of Maryland 2011, Research Assistant Professor — remote sensing of vegetation dynamics, agriculture and irrigation, near surface remote sensing using small UAVs

Peter Postapek,* Ph.D., Russian Academy of Science 2005, Research Associate Professor — forest mapping and monitoring, optical remote sensing

Stephen Prince,* Ph.D., University of Lancaster 1971, Research/Emeritus Professor — biogeography, remote sensing, dryland ecolhydrology and plant functional properties at regional to global scales

Ritvik Sahajpal, Ph.D., University of Maryland 2014, Assistant Research Professor — geostatistics, multivariate analysis, machine learning

Wilfrid Schroeder, Ph.D., University of Maryland 2008, Research Associate Professor — remote sensing of active fires, biomass burning emissions modeling, land cover/land use change in Amazonia, remotes sensing using UAVs

Fernando Sedano, Ph.D., UC Berkeley 2008, Research Assistant Professor — remote sending sensor integration at medium spatial resolution, forest degradation in African tropical woodlands, forest fire dynamics in boreal ecosystems

Joseph Sexton, Ph.D., Duke University 2009, Research Assistant Professor — spatio-temporal ecosystem dynamics, sustainable ecosystem management

Sergii Skakan, Ph.D., Space Research Institute Ukraine 2005, Assistant Research Professor — agriculture monitoring, remote sensing

John Townshend* Ph.D., University College London 1971, Research/Emeritus Professor — land cover dynamics, remote sensing, information systems

Krishna Prasad Vadrevu,* Ph.D., Osmania University 2000, Research Associate Professor — ecology, remote sensing, spatial analysis

Dongdong Wang,* Ph.D., University of Maryland 2009, Research Assistant Professor — remote sensing, spatial analysis

Alyssa Whitcraft, Ph.D., University of Maryland 2014, Research Associate Professor — agriculture, monitoring and mapping of global agriculture characteristics and processes

Feng Zhao, Ph.D., Boston University 2010, Research Assistant Professor — LiDAR remote sensing, forest disturbance and regrowth, terrestrial carbon cycle, wetland studies

POSTDOCTORAL SCHOLARS:

Ben DeVries, PhD, Wageningen University 2015 — Landsat, Sentinel, small UAVs

Katelyn Dolan, PhD, University of Maryland 2015 — forest carbon mapping/monitoring, lidar tech, field data and modeling

Junchuan Fan, M.S., University of Iowa 2015 — geospatial semantics

Wenli Huang, PhD, University of Maryland 2015 — active remote sensing of forests, satellite monitoring of water

Huiran Jin, Ph.D., State University of New York 2013 — GIS, Land cover/land use classification and biomass estimation

Do-Hyung Kim, Ph.D, University of Maryland 2015

Wenjian Ni, Ph.D., Institute of Remote Sensing Applications Chinese Academy of Sciences 2009 — SAR and Lidar data processing, algorithms for exploring estimation of parameters of forest structure, earth system science

Patricia Oliva, Ph.D., University of Alcalá 2010 — active fire detection, burned area mapping, post-fire effects assessment

Khaldoon Rishmawi, Ph.D., University of Maryland 2013 — land degradation, biophysics, vegetation dynamics, remote sensing

Xiaopeng Song, Ph.D., University of Maryland 2015 — satellite monitoring of land cover/land use change, deforestation, urbanization

Hao Tang, Ph.D., University of Maryland 2015 — characterizing 3D dynamics of terrestrial ecosystems using lidar remote sensing platforms

Svetlana Turubanova, Ph.D., Russian Academy of Science 2002 — forest ecology, remote sensing

Alexandra Tyukavina, Ph.D., University of Maryland 2015 — remote sensing, forest cover change, carbon dynamics

Lei Wang, Ph.D., Chinese Academy of Sciences 2009, Research Associate — urbanization and global environment change, global forest loss

Feng Robin Zhao, Ph.D., University of Maryland 2015 — landscape succession simulation, carbon modeling, forest inventory, growth modeling

FACULTY SPECIALISTS:

Bernard Adasei, M.S., University of South Dakota, 2006

Alice Alstatt, M.S., University of Nevada, 1994

Brian Barker, M.A., University of Maryland, 2012

Kristen Bergery, M.A., University of Maryland, 2016

Saurabh Channan, M.S., Johns Hopkins, 2004

Casper Chang, M.A., University of Maryland

Charlene M. Dinicelli, B.S., Portland State, 1980

Allison Gost, M.S., University of Maryland, 2015

Amy Hudson, B.S., University of Maryland, 2013

Michael Humber, M.S., University of Maryland, 2014

Christina Justice, M.S., University of Maryland, 2015

Maureen Kelly, B.S., University of Maryland, 2014

Indrani Kommareddy, M.S., Dakota State University, 2008

Patrick McDonough, B.S., University of Maryland, 2015

Giuseppe Molinario, M.A., University of Maryland, 2010

Emilie Murphy, M.S., University of Texas at Austin, 2005

Jacob Noel, M.A., University of Maryland 2013

Jack O’Bannon, M.A., University of Virginia, 1997

Ashwan Reddy, M.S., George Mason University, 2013
ADJUNCT FACULTY:
Martha Anderson, Ph.D., University of Minnesota, 1993, Adjunct Professor — Research Physical Scientist USDA-ARS hydrology and remote sensing lab
Luigi Boschetti*, Ph.D., Politecnico di Milano, 2005, Adjunct Associate Professor — global scale applications of low and medium resolution satellite data, remote sensing of fire, multitemporal algorithms, REDD+
George James Collatz, Ph.D., Stanford, 1979, Adjunct Professor — global carbon cycle planning and research
Ivan Csikos, Ph.D., Eotvos Lorand University, Budapest, 1996, Adjunct Associate Professor — remote sensing, fire science, meteorology
Fischer, Gunther, Ph.D. Adjunct Professor

Will Walsh, B.S., Clemson University, 2011
Mark B. Sullivan, B.S., University of Maryland, 1999
Robert A. Sohlberg, B.S., University of Maryland, 1996
Demian Rybock, B.S., University of Washington, 1997
Antonio Sanchez, B.S., University of Salamanca, 2006
Robert A. Solberg, B.S., University of Maryland, 1996
Mark B. Sullivan, B.S., University of Maryland, 1999
Will Walsh, B.S., Clemson University, 2011

ADJUNCT FACULTY:

George James Collatz, Ph.D., Stanford, 1979, Adjunct Professor

*Members of the Graduate Faculty who have served or are serving on dissertation and thesis committees.

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.

2020 Census Coordinator: Brian Timko
Office of the Geographic Operations Advisor: Kaile Bower
Geographic Support Systems Program Manager: Matthew Zimolzak

DEPUTY CHIEF: Gregory Hanks

ASSISTANT DIVISION CHIEFS:
Address and Spatial Data Update: Andrea Johnson
Geographic Data Collection and Products: Laura Waggoner
Geographic Program Management and External Engagement: Monique Eleby
Geographic Standards, Criteria, Research, and Quality: Michael Ratcliffe

BRANCHES:
Address Data Collection and Products Branch: Vacant
Address Frame Update Branch: Robert Dumario, Chief
Address and Spatial Analysis Branch: Lee Wentela, Chief
Address Standards, Criteria, Quality Branch: Stuart Ihey, Chief
Cartographic Products and Services Branch: Kevin Havley, Chief
Federal Geographic Coordination Branch: Lynda Liptrop, Chief
Geographic Customer Service Branch: Trudy Suchan, Chief
Geographic Project Management Branch: Jeffrey Martin, Chief
Geographic Research and Innovation Staff: John Luidis, Chief
Geographic Standards, Criteria, and Quality Branch: Vincent Osier, Chief
GEO-Location and Imagery Branch: Joanne Aikman, Chief
Partnership Communications and Outreach Branch: Carrie Hritz, Chief
Spatial Data Collection and Products Branch: Ryan Short, Chief
Spatial Data Update Branch: Daniel Keefe, Chief

POPULATION DIVISION CHIEF: Karen Hume
Population Geography Staff: James Fitzsimmons, Chief

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.
MASSACHUSETTS

CLARK UNIVERSITY

GRADUATE SCHOOL OF GEOGRAPHY

DATE FOUNDED: 1921

GRADUATE PROGRAM FOUNDATION: 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 9/1/15-8/31/16: 24 in Geography Bachelors; 5 in Global Environmental Studies Bachelors; 7 Environmental Science: Earth Systems Science Track Bachelors; 13 Ph.Ds, 11 Masters of Art (M.A.) in Geography (predoctoral); 11 M.S. in GIS; 32 M.S. in Geographic Information Sciences for Development and Environment

STUDENTS IN RESIDENCE: 84 Geography Majors; 21 Global Environmental Studies Majors; 11 Environmental Science: Earth Systems Science Track majors; 60 Ph.D.; 7 M.S. in GIS; 51 M.S. in Geographic Information Sciences for Development and Environment

NOT IN RESIDENCE: 4 Ph.D.

DIRECTOR: Anthony J. Bebbington

DEPARTMENT ADMINISTRATOR: Christine Creelman

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 has awarded more doctorates in Geography than any other institution in the United States. The School is central to a private institution of approximately 2,300 undergraduates and 1,100 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 19 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
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 includes 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 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 cultural and political dimensions of environmental knowledge, practice, and policy, as well as environmental 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.S. 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 Rachel Levitt (RLevitt@clarku.edu); Telephone: (508)793-7282. In addition, for Global Environmental Studies, you may also contact ges@clarku.edu; Internet: http://www.clarku.edu/programs/major-or-minor-global-environmental-studies/. For the Earth Systems Science concentration in the Environmental Science major, you may also contact Professor Karen Frey (KFrey@clarku.edu); 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, Australia, New Zealand, and South Africa or who have received a degree from a university in those countries. The application deadline is December 31st. Financial Aid includes minimum 3-year tuition fellowships and research and teaching assistantships for all admitted students. All students accepted into the program are funded equally. Interested applicants should contact Graduate Program Administrator Brenda Nikas-Hayes (BNikasHayes@clarku.edu); Telephone: (508)793-7337.

FACULTY:

Yuko Aoyama, Ph.D., UC-Berkeley, 1996, Professor of Geography — economic geography, globalization, technological change, social innovation and entrepreneurship

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, Associate Professor of Geography — urban geography, gentrification, urban politics, metropolitanism, policy-making, critical theory

J. Ronald Eastman, Ph.D., Boston, 1982, Professor of Geography and Director, Clark Labs — geographic information systems, remote sensing, earth system informatics, land use change

Jacquie (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, Associate Professor of Geography — climate change, polar environments, sea ice variability, marine/terrestrial biogeochemistry, land surface hydrology, remote sensing

Dominik Kalaskowski, Ph.D., University of Colorado, 2002, Associate Professor of Geography — forest ecology, mountain forest ecosystems, disturbance ecology

Deborah G. Martin, Ph.D., Minnesota, 1999, Professor of Geography and Interim Associate Provost and Dean of Research — urban/sociopolitical geography, law and geography, qualitative methods, place, social movements theories
James McCarthy, Ph.D., UC-Berkeley, 1999, Professor of Geography and Editor, Annals of the American Association of Geographers — political ecology, political economy, environmental governance, social theory

James T. Murphy, Ph.D., Florida, 2001, Associate Professor of Geography and Editor-in-Chief, Economic Geography — economic/urban/development geography, technology, sustainable development, networks, practice theory, Africa

Richard Peet, Ph.D., UC-Berkeley, 1968, Laskoff Professor of Economics, Technology and Environment, Professor of Geography — globalization, global governance, development theory and policy, philosophy and social theory, political ecology

Robert Gilmore Pontius, Jr., Ph.D., State University of New York, 1994, Professor of Geography and Associate Director, Graduate School 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, geoscientific information science, geographic information science, remote sensing, landscape ecology

Dianne E. Bocheleau, Ph.D., Florida, 1984, Professor of Geography — political ecology, environmental justice, urban ecology, gender, culture, nature, development, decolonial theories, forestry, agriculture, land and territory, social movements, network theories

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

Rinka Roy Chowdhury, Ph.D., Clark, 2003, Associate Professor of Geography — land system science, cultural & political ecology, institutions, urban ecology, agrarian systems and agroecology, Latin America

Florencia Sangermano, Ph.D., Clark, 2009, Visiting Assistant Professor, Graduate School of Geography and Research Assistant Professor, Clark Labs — conservation biology, geographic information science, remote sensing, landscape ecology

Jefferson Alex Sphar, Ph.D., Clark, 2016, Visiting Assistant Professor, Graduate School of Geography — political economy, political theory, economic/urban/development geography, state theory, Latin America

Christopher A. Williams, Ph.D., Duke University, 2004, Associate Professor of Geography and Director, ES Program — land surface hydrology, ecosystem ecology, hydroclimatic variability and change, global water and carbon cycles

**AFFILIATE, ADJUNCT, AND RESEARCH FACULTY:**

Edward R. Carr, Ph.D. Syracuse, 2001, Ph.D. Kentucky, 2002, Adjunct Professor of Geography and Professor and Director of International Development, Community, and Environment — livelihoods, development, human dimensions of global change, climate change adaptation, gender and identity, sub-Saharan Africa

Lyndon Estes, Ph.D., University of Virginia, 2008, Research Professor of Geography — geographic information science, remote sensing, land change science, agro-ecology, conservation

Jacqueline Geoghegan, Ph.D., Berkeley, 1995, Adjunct Professor of Geography and Professor and Chair of Economics — spatial econometrics, resource economics

Roger E. Kasperson, Ph.D., Chicago, 1966, Research Professor and Distinguished Scientist, George Perkins Marsh Institute — environmental hazards, global environmental change, environmental policy

Robert W. Kates, Ph.D., Chicago, 1962, Distinguished Senior Research Scientist, George Perkins Marsh Institute — sustainability of the biosphere, climate impact assessment, and nature/society theory

Yelena Ogneva-Himmelberger, Ph.D., Clark, 1998, Adjunct Associate Professor of Geography and Associate Professor, Department of International Development, Community, and Environment — health applications of GIS and remote sensing; environmental justice and GIS; spatial statistics; land-use change and environmental degradation

B.L. Turner II, Ph.D. Wisconsin, 1974, Distinguished Research Professor — human-environment geography, land-change science, global environmental change

**EMERITI FACULTY:**

Martyn J. Bowden, Professor Emeritus
Susan Hanson, Distinguished University Professor Emerita
Douglas L. Johnson, Professor Emeritus
Duane S. Knos, Professor Emeritus
William A. Koelsch, Professor Emeritus
Lawrence A. Lewis, Professor Emeritus
Robert C. Mitchell, Professor Emeritus
Henry J. Steward, Professor Emeritus

**MOUNT HOLYOKE COLLEGE**

**DEPARTMENT OF GEOLOGY AND GEOGRAPHY**

**DATE FOUNDED:** 1904

**DEGREES OFFERED:** B.A.

**GRANTED 9/1/00-8/31/14:** 268 Bachelors

**MAJORS:** 47

**CHAIR:** Thomas Millette

**DEPARTMENT ADMINISTRATIVE ASST:** Rhodaline Forjuwor

**FOR CATALOG AND FURTHER INFORMATION WRITE TO:** Thomas Millette, Professor of Geography, Department of Geology and Geography, Mount Holyoke College, 50 College St., Clapp Laboratory #304, South Hadley, Massachusetts 01075-6419. Telephone (413) 538-2278. Fax (413) 538-2239. E-mail: tforjuwor@mtholyoke.edu. Internet: https://www.mtholyoke.edu/acad/geography

**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 2,250 students, a faculty of 234, and an extraordinary array of academic facilities spread across an 800-acre campus. The College offers majors in 50 fields and a curriculum constantly enriched by new and innovative courses. The Williston Library stores USGS and AMS depository maps; the Library also contains about 1,600 periodical subscriptions and its total collection is more than 750,000 volumes which includes books, serials and bound periodicals; and students are able to access the Five College library system from department computers.

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. Mount Holyoke College geography majors and minors learn about the impacts of social, economic, environmental, and political processes that shape spaces and places, the science of earth systems, the implications of climate change, and the use of geographic information science (GIS) and remote sensing techniques to represent and analyze data and knowledge at different spatial scales.

The department’s GeoProcessing Lab hosts state of the art hardware and software necessary for modern GIS and Remote Sensing applications. All 19 Dual Core workstations are networked and...
SALEM STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1932
GRADUATE PROGRAM FOUNDED: 1992
DEGREES OFFERED: B.A., B.S., M.S.
GRANTED (yearly graduates): 36 Bachelors; 9 Masters
STUDENTS IN RESIDENCE: 86 Majors; 17 Masters; 7 Certificate
CHAIR: Keith A. Ratner
ADMINISTRATIVE ASSISTANT: Ronnette Wongus

FOR FURTHER INFORMATION WRITE TO: Dr. Keith Ratner, Department of Geography, Salem State University, 352 Lafayette St., Salem, Massachusetts 01970. Telephone (978) 542-6225. Fax (978) 542-6269. E-mail: rwongus@salemstate.edu Internet: https://www.salemstate.edu/academics/colleges-schools/college-arts-and-sciences/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 three concentrations; general geography, environmental sustainability, sustainable tourism. At the graduate level the department offers a certificate in Geo-Information Science. Each program combines a strong academic geography background with applied fields in regional studies, physical geography, travel, tourism development, remote sensing, computer mapping and GIS.

A senior year internship program provides for career counseling and occupational experience for academic credit. The internship program is connected to many businesses and agencies within the Salem-Boston metropolitan area, which also serves as a valuable resource for post graduate employment.

We combine a strong background in the academic tradition of geography with applied fields such as: Environmental sustainability; Sustainable tourism; GIS; Remote sensing and digital image processing; Regional development and planning and Meteorology and climatology, and cartography. We train our students to be top scientists as well as concerned global citizens. Faculty and students work with local and regional and state organizations and NGOs on various environmental, socio-economic and justice related issues.

The Department is located next to the university Library, with its collections of geo-science journals and texts. Departmental facilities include physical geography laboratories and the Digital Geography Laboratory (DGL), a geo-computing facility housing digitizing equipment, and an extensive collection of mapping and analytical software. The DGL is regarded as one of the best academic geography-based computer labs in the U.S.

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.

FINANCIAL AID: Inquiries to the Financial Aid Department, Salem State University, Salem, Massachusetts 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.

STUDENTS IN RESIDENCE:

36 Bachelors; 9 Masters

APPLIED AND PREFERRED TO电器

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Laurence E. Goss, Jr., Ph.D., Washington at Seattle, 1973, Professor

EMERITUS FACULTY:
Avenue, Westfield, MA 01086. Telephone 413-572-8315. Fax 413-

Regional Planning (GARP), Westfield State University, 577 Western

CHAIR:

DEGREES OFFERED:

Noel Healy, Ph.D., NUI, Galway, Ireland, 2010, Associate Professor
John T. Hayes, Ph.D., UCLA, 1986, Associate Professor —
climatology, global change, GIS, modeling, physical, environmental impact assessment, resource management

The Geography and Regional Planning Department of WSU offers
introductory undergraduate courses in world regional, cultural, and
graphy

Stephen Silvern, Ph.D., Wisconsin at Madison, 1995, Professor —
sustainability, Native Americans, environmental justice, political

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:

Geography Laboratory

EMERITUS FACULTY:
Richard T. Anderson, Ed.D., Boston, 1983, Professor — economic,
marketing, geographic education, world regions
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

WESTFIELD STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND REGIONAL PLANNING

DATE FOUNDED: 1981

DEGREES OFFERED: undergraduate minors in Applied
Geography, GIS, Regional Planning, Ethics and Policy,
Commercial Recreation and Tourism; undergraduate
degree in Regional Planning

GRANTED 9/2015 to 8/2016: Majors 25 in Regional
Planning

STUDENTS IN RESIDENCE: 58 minors, 50 undergraduate
Regional Planning majors

CHAIR: Robert S. Bristow

DEPARTMENT ADMINISTRATIVE ASSISTANT:
Lynelle Kuzontkoski

FOR FURTHER INFORMATION CONTACT: Geography and
Regional Planning (GARP), Westfield State University, 577 Western
Avenue, Westfield, MA 01086. Telephone 413-572-8315. Fax 413-
572-5470. Email lkuzontkoski@westfield.ma.edu. Internet
http://www.westfield.ma.edu/garp. The Friends of GARP Facebook
Group provide a social media presence.

PROGRAMS AND RESEARCH FACILITIES:
The Geography and Regional Planning Department of WSU offers
introductory undergraduate courses in world regional, cultural, and

physical geography, along with a full Bachelor of Science in Regional
Planning curriculum. Upper level electives are offered in
transportation geography, recreation and tourism planning, sustainability, and climate change. GIS courses include Introductory
and Advanced GIS, Web Based GIS, Geoprocessing and remote
sensing. A GIS certificate program includes coursework in GIS,
software management, remote sensing, and quantitative methods.
Internships in GIS and Regional Planning are available.
Undergraduate minors are offered in Applied Geography, GIS, and an
interdisciplinary Commercial Recreation and Tourism.

The GARP Department has excellent facilities and equipment. A GIS
lab with 20 stations is equipped with contemporary GIS, Remote
Sensing, and Statistical Analysis software and is linked to large-
format color printers. GPS equipment is available for class work as
well as student and faculty research. A laptop cart provides mobile
technology for instruction and a set of 20 Android tablets with data
plans provide additional tools for courses and research such as
quantitative methods, data collection and analysis in addition to the
varied GIS and Remote Sensing experiences offered. We also host
Liquid Galaxy, an immersive Google Earth experience for all students
and visitors.

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.
Freshman applicants must meet the minimum eligibility requirements
(a sliding scale based on a recalculated high school cumulative grade
point average and SAT and/or ACT scores), established by
Department of Higher Education (DHE) in order to qualify for
admission to a state university. Further information is available at
http://www.westfield.ma.edu/admissions. Financial aid is available as
need-based and merit-based scholarships.

GEOGRAPHY AND REGIONAL PLANNING FACULTY:
Carsten Brian, Ph.D., UMass Amherst, 2006, Associate Professor —
Physical Geography, Geographic Information Systems, Climate
Change, Sustainable Energy
Robert S. Bristow, Ph.D., Southern Illinois University, 1990,
Professor and Chair — Physical Geography, Quantitative
Methods, Site Planning Studio, Tourism Planning
Marjоin Bull, Ph.D., AICP, Salve Regina University, 2000, Associate
Professor — Regional and Urban Planning, Housing, and Land
Use, Legal Issues, World Regional Geography
Brian Cong, Ph.D., UMass Amherst, 2006, Associate Professor —
Physical Geography, Political Ecology, Environmental Analysis,
Central America
Alina Gross, Ph.D., UMass Amherst, 2014, Assistant Professor —
Community Planning, Urban Redevelopment, Housing
Timothy LeDoux, Ph.D., Michigan State University, 2013, Assistant
Professor and Campus GIS Coordinator — Geographic
Information Systems, Remote Sensing, Sustainable Foods
Karl Leiker, Ph.D., Penn State, 1976, Professor — Physical
Geography, Meteorology, Severe and Unusual Weather
Drįti Neog, Ph.D., Florida State University, 2009, Assistant
Professor — Community Planning, Transportation, GIS, World
Regional Geography
Samuel Ndegeah, Ph.D., University of Idaho, 2015, Assistant
Professor — World Regional Geography
Dristi Neog, Ph.D., Florida State University, 2009, Assistant
Professor — Community Planning, Transportation, GIS, World
Regional Geography
Samuel Ndegeah, Ph.D., University of Idaho, 2015, Assistant
Professor — World Regional Geography

EMERITUS FACULTY:
William Bennett, Ph.D.
Stephanie Kelly, Ed.D.
George Psychas, Ed.D.

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FOR CATALOG AND FURTHER INFORMATION WRITE TO: Brian Becker, Department of Geography, Central Michigan University, 296A Dow Science Bldg., Mt. Pleasant, Michigan 48859, Telephone (989) 774-3323, Fax (989) 774-2907. Email: becke1b@cmich.edu; Web: www.geo.cmich.edu.

PROGRAMS AND RESEARCH FACILITIES:
UNDERGRADUATE: The Department offers majors and minors in Geography and a major in Environmental Studies. A Geography major can pursue a specialization in one of the three concentrations: Geographic Information Sciences (GISci), Environmental and Land Use Planning, 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 Thornhwaite, Olmstead, and Calkins, and student travel 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:
Barbara J. Andersen, Ph.D., University of Idaho, 2017, Lecturer — urban and regional planning, environmental geography, landscape history, alternative transportation. Brian L. Becker, Ph.D., Michigan State University, 2002, Professor and Graduate Coordinator — remote sensing, Great Lakes wetland ecology, environmental studies, GIS, CAD, GPS.
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 162; Graduate 121

GRANTED 8/15/16-05/30/17: Bachelors 25; Masters 29;
Certificates 8

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: rsambroo@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 2019, 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.

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, Associate Professor — earth science education, quaternary geology
Mark Francke, Ph.D., University of Wisconsin-Milwaukee, 1988, Professor and Interim Chair — earth science education, soils, physical geography.
Marcello Graziano, PhD, University of Connecticut 2014, Assistant Professor & Member of The Institute for Great Lakes Research — economic geography, energy geography, blue growth, mixed-methods, participatory economic development.
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, GIS, biogeography, landscape ecology, ecological modeling, wetlands
Stacey Kerr, Ph.D, University of Georgia, 2016, Assistant Professor — geography education, gender geography, cultural geography, qualitative research
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, spatial statistics, remote sensing, economic geography, China
Michael J. Libbee, Ph.D., Syracuse, 1975, Professor and Co-coordinator of the Michigan Geographic Alliance — geographic education, teacher preparation, human geography
Matthew Liesch, Ph.D., Wisconsin, 2011, Assistant Professor — cultural geography, vernacular landscapes, qualitative 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 and Interim Associate Vice President of Enrollment Management — cartography, geographic visualization, GIS, urban planning
James A. Pytko, M.S., Central Michigan, 2009, Lecturer — physical geography, geographic information science
Yong Q. Tian, Ph.D., 1995, Waikato, New Zealand, Professor — geocomputation, land-water dynamics, environmental modeling, coastal ecology
Xiaoguang Wang, Ph.D., University of Michigan, 2009, Associate Professor — urban and regional planning, transportation and land use, 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, Associate Professor — atmospheric physics and chemistry modeling, data assimilation, and remote sensing

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
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, Associate 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, pegrmatology, environmental mineralogy
- Matthew R. Cook, PhD. University of Tennessee Knoxville, 2016, Assistant Professor — Cultural/Heritage Geography, historic interpretation, memory studies, race and racial justice.
- American South, critical pedagogy
- Xining Yang, PhD.
- Robert Jones, PhD, Portland State University, 1999, Professor — planning, urban geography, historic preservation
- Heather Khan-Welsh, Ph.D., Florida State University, 2008, Associate 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
- 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
- Zachary Moore, Ph.D., Texas State University, 2008, Associate Professor — K-16 geographic education, cultural/human geography, social justice issues, environmental geography, historical geography
- John Oswald, Ph.D., University of Texas at Austin, 2013, Assistant Professor — community and regional planning, human-environment interaction, urban-political geographic analysis of divided cities and societies.
- M. Serena Poli, University of Padova (Italy), 1995, Professor — oceanography, micropaleontology, paleoecology
- Eric W. Portenga, Ph.D., University of Glasgow, UK & Macquarie University, Australia, 2015, Assistant Professor — Fluvial Geomorphology, Landscape Evolution, Human-landscape interactions, Glacial Geomorphology, Cosmogenic nuclides, Geoarchaeology, Geochronology.
- 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 — cartography, cultural geography, geographic information systems,
- William F. Welsh, Ph.D., University of North Carolina-Chapel Hill, 2001, Professor — G.I.S., remote sensing, environmental geography
- Xining Yang, PhD. Ohio State University, 2015, Assistant Professor — GIS, Geospatial Big Data Analytic, Quantitative Methods in Geography, Geovisualization, Health 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 III — geography, geotourism, tourism geography, Russia and the former Soviet Union

EMERITUS FACULTY:
- Michael Kasenow, Ph.D., Western Michigan, 1994, Professor — hydrology, science education
- Andrew A. Nazzaro, Ph.D., Michigan State, 1974, Professor — cultural geography, Africa, medical, international development.
- Norman Tyler, Ph.D. Architecture, 1987, University of Michigan, Professor — urban and regional planning, historic preservation

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. Seven undergraduate courses are listed in the curriculum, and three of them are currently offered online as writing intensive courses to students across the globe: World Regional Geography, Cultural Geography, and the Regional Geography of the U.S. and Canada. GRCC Geography majors are expected to make presentations at academic conferences, and several have received scholarships and awards for field studies, as well as completion of the baccalaureate and conference participation. In recent years, students have conducted fieldwork throughout the U.S., Latin America, and Sub-Saharan Africa. Alumni have been successful in gaining funding to pursue M.A. and Ph.D. degrees in geography and urban affairs at a number of graduate programs including: Syracuse University, the University of Missouri, the University of Texas, the University of Maryland, Ohio University, Kent State University, Rutgers University, Cleveland State University, and Western Michigan University.

As GRCC is an institutional member of the World Affairs Council of Western Michigan, which is devoted to educating leaders in higher education and international business on matters pertaining to global affairs, the geography program plays a critical role. GRCC is also home to the Lambda Upsilon chapter of Gamma Theta Upsilon, which was distinguished with the award of Honors in 2013 and 2016. 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 advancing social justice in the local community and contributing to geographical scholarship. Honorary GTU membership was awarded by Lambda Upsilon to New York Times columnist Nicholas Kristof in 2011. Annually, a geographer of distinction is invited to deliver a lecture, which is sponsored by the Visiting Geographical Scientist Program (VGSP). VGSP distinguished speakers are among those interviewed for the Conversation with a Geographer oral history series, which is broadcast on GRCC TV and available for viewing on YouTube.

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, all VGSP distinguished speakers are presented with this award; other recipients include: Nicholas Kristof, Niem Huynh,
VGSP Distinguished Speakers:
2009 Leon Yacher
2010 Marie Price
2011 Leon Yacher
2012 Kate Swanson
2013 Rebecca Sheehan
2014 Caroline Faria
2015 Marie Price
2016 Maria Fadiman
2017 Karen Calcasi

Geography Faculty:
M. S. DeVivo, Professor — leadership, history of geography, historical geography, geopolitics, African wildlife conservation and community development

GRAND VALLEY STATE UNIVERSITY

DEPARTMENT GEOGRAPHY AND SUSTAINABLE PLANNING
DATE FOUNDED: 2000
DEGREES OFFERED: B.A. in Geography; B.S. in Geography
GRANTED 9/1/14-8/15/15: 10
MAJORS: 65
MINORS: 20
CHAIR: Dr. Elena Lioubimtseva
DEPARTMENT ADMINISTRATIVE ASSTANTANT: 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) 331-3065. Fax (616) 331-8635. E-mail: gpydept@gvsu.edu. Web: www.gvsu.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography and Sustainable Planning at Grand Valley State University offers B.A. and B.S. degrees in Geography with four distinctive tracks:
- Geography
- Geography with emphasis in Geospatial Technology
- Geography with emphasis in Urban and Regional Planning
- Geography with emphasis in Environment and Global Development

The department also offers minors in Geographic Information Systems (GIS), Sustainable Urban and Regional Planning, and the Geography Education at the secondary level, and undergraduate certification programs in GIS Technology and Sustainable Urban and regional Planning.

The Department offers a wide selection of geography and urban and regional planning courses. Particular strengths are geospatial technology, global and regional development, environmental geography, and urban planning. 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.

Geography and Sustainable Planning is housed in LEED-certified Mackinac Hall, located GVSU main campus in Allendale, MI, a short drive between the Lake Michigan shore and vibrant Grand Rapids downtown, offering excellent opportunities for field research in the nearby state and nature centers as well as urban educational, research, and community engagement opportunities in Grand Rapids, Holland, Muskegon, and Lansing. Supplementing coursework are a state-of-the-art computer laboratory with GIS and remote sensing applications (ArcGIS with extensions, TerrSet, Erdas Imagine, Eognition, ATCOR), MATLAB, MAGICC/SENGEN climate modeling software, field and laboratory equipment, three digital weather stations, 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 information is available at www.gvsu.edu/admissions. The focus of the geography 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. Information about financial aid, scholarships and employment opportunities for students is available at www.gvsu.edu/financialaid/.

The geography major requirements include 12 credits of required courses and the remainder of upper-level geography electives, as well as the University requirements for a B.A. or B.S. degree. The department offers a wide range of upper level courses focused on GIS, remote sensing and image processing, global and regional development, environmental geography, urban and regional planning, paid and unpaid internships, as well as study abroad programs, including an intensive faculty-led summer school in sustainable urban and regional planning in the Netherlands and a field research class in Peru.

FULL-TIME FACULTY:
Roy Cole, Ph.D., Michigan State University, 1991, Professor — global development, Africa, Middle East, land-use/land cover change.
Elena Lioubimtseva, Ph.D., Moscow State University, 1994, Professor — climate change, human vulnerability and adaptations, arid environments, Russia and Central Asia.
Kin M. PhD, Michigan State University, 2007, Assistant Professor — physical 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, forestry.
Wuxiao Sun, Ph.D., Johannes Gutenberg University of Mainz, 1999, Associate Professor — remote sensing, digital image processing, advanced GIS.
Jeroen Wagendorp, Ph.D., AICP, GISP, University of Oklahoma, 1989, Associate Professor — public sector GIS institutionalization, Western Europe, the Netherlands.
Yanning Wei, Ph.D., University of Washington, 2016, Visiting Professor — GIS, computer cartography, urban and regional planning, China.
Gang Xu, Ph.D., Johannes Gutenberg University of Mainz, 1996, Associate Professor — economic geography, GIS applications for business decisions, urbanization, China.

ADJUNCT FACULTY:
Michael Gatasowski, M.A., Western Michigan University, 2008 — regional geography, physical geography.
Steven Stepek, M.P.A, Grand Valley State University, 2006, AICP — Transportation Planning.
Judith Transue, MA., Northwestern University, 1966, MSW, University of Michigan, 1972, MA., Michigan State University, 2000 — regional planning, housing and community organizing.
Frank Wash, MPA, Grand Valley State University 2002, AICP — urban planning, land-use planning.
Michigan State University

Department of Geography, Environment, and Spatial Sciences

Date Founded: 1955
Graduate Program Founded: 1952
Degrees Offered: BA, BS, MS, and PhD
Grants 9/2/15-8/18/16: 22 Bachelors, 6 Masters, 7 PhD
Students in Residence: 103 Majors, 7 Masters, 41 PhD

Not in Residence: 2 Masters, 3 PhD
Chair: Alan F. Arbogast

For Catalog and Further Information Write To: Alan F. Arbogast, Chair, Department of Geography, Environment, and Spatial Sciences, Michigan State University, Geography Building, 673 Auditorium Rd, Rm 116, East Lansing, Michigan 48824. 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, GIScience and remote sensing; 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. 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 Linux and Windows computer laboratories 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, the Global Urban Studies Program, 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 are 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 a 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, Professor — agricultural meteorology/climatology.

Alan F. Arbogast, PhD, Kansas, 1995, Professor and Chairperson — Quaternary geomorphology, paleo-environments, physical

Guo Chen, PhD, Penn State, 2007, Associate Professor — urban, China

Jiquan Chen, PhD, Washington, 1991, Professor — Coupled human/natural systems, ecosystem analysis, forest ecology, remote sensing

Kyla Dahlin, PhD, Stanford, 2012, Assistant Professor — plant ecology, remote sensing

Joe T. 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

Arika Liggmann-Zielinska, PhD, San Diego/UC-Santa Barbara, 2008, Associate Professor — environmental and social modeling

Lifeng Luo, PhD, Rutgers, 2003, Associate Professor — climate, meteorology, climate change

Elizabeth A. Mack, PhD, Indiana, 2010, Assistant Professor — economic development, telecommunications policy, entrepreneurship

Joseph Messina, PhD, North Carolina, 2001, Professor — global environmental change, GIS

Nathan Moore, PhD, Duke, 2004, Associate 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

Jiuguo 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, Professor — GIS

Igor Vojnovic, PhD, Toronto, 1997, Professor — urban, economic

Raechel A. White, PhD, Penn State, 2014, Assistant Professor — Cognitive GIScience, geovisualization, remote sensing

Julie A. Winkler, PhD, Minnesota, 1982, Professor — synoptic climatology, severe storms, physical geography

Catherine Yansa, PhD, Wisconsin, 2002, Associate Professor — paleo-environments, physical

Sharon Zhang, PhD, Iowa State, 1992, Professor — climate models

Leo C. Zulu, PhD, Illinois, 2006, Associate Professor — Africa, GIS, remote sensing

Associated Faculties:

Julieigh Bookout, MA, Michigan State, 2006, Visiting Instructor — online instruction

Pellei Fan, PhD, MIT, 2003, Adjunct Associate Professor — planning, China

Grant E. Gunn PhD, University of Waterloo, 2015, Assistant Professor — remote sensing of lake & sea ice

Dorothy K. Hall PhD, Maryland 1980, Adjunct Professor — remote sensing of snow, glaciers and ice sheets, lake ice and sea ice

Sarah L. Hession PhD, Michigan State, 2011, Adjunct Assistant Professor — climate and global change analysis, environmental statistics, and health geography

Robert K. Hitchcock, PhD, New Mexico, 1982, Adjunct Professor — human-environment interactions

Andrew G. Huff, PhD, University of Minnesota, 2014, Adjunct Assistant Professor — spatial epidemiology, infectious disease forecasting, emerging infectious diseases

Eva Kassens-Noor, PhD, MIT, 2009, Adjunct Associate Professor — planning, transportation

Frederick E. Nelson, PhD, University of Michigan, 1982, Adjunct Professor — polar regions, periglacial geomorphology
Financial Aid:
Scholarships, grants, loans, and work study.

FACULTY:
Michael J. Broadway, Ph.D., University of Illinois, 1983, Professor — human geography, social geography, food studies
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 Kasek, Ph.D., Kent State University, 2014, Assistant Professor — human geography, migration, population, international studies
Robert J. Legg, G.I.S.P., Ph.D., Trinity College Dublin, 2006, Associate Professor — GIS, cartography, quantitative methods
Sarah Mittelfeldt, Ph.D., University of Wisconsin-Madison, 2004, Associate Professor — environmental history, environmental policy, environmental justice, sustainability
Robert S. Regis, Ph.D., Michigan Technological University, 1997, Professor — geology, glacial geology, groundwater/ hydrogeology, remote sensing
Matthew J. Van Grinsven, Ph.D., Michigan Technological University, 2015, Assistant Professor — physical geography, soils, hydrology, carbon cycling, biogeoosciences
Susy S. Ziegler, Ph.D., University of Wisconsin-Madison, 1999, Associate Professor and Head — biogeochemistry, physical geography, environmental science, geographic research

Susy S. Ziegler, Ph.D., University of Wisconsin-Madison, 1999, Associate Professor and Head — biogeochemistry, physical geography, environmental science, geographic research

NORTHERN MICHIGAN UNIVERSITY

DEPARTMENT OF EARTH, ENVIRONMENTAL, AND GEOGRAPHICAL SCIENCES

DATE FOUNDED: 1905

DEGREES OFFERED: B.A., B.S.
GRANTED 9/1/15–8/31/16: 66 Bachelors

MAJORS: 301

CHAIR: Susy S. Ziegler (Head)

DEPARTMENT ADMINISTRATIVE ASSST: 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. Facebook: https://www.facebook.com/NMUEEGS/.

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 excellent library services, field courses, and laptops and software needed for coursework. Students may complete internships and study abroad experiences related to the majors. The department has a Geographic Information Systems/Remote Sensing Lab, research laboratories, and an on-campus Outdoor Learning Area.

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

Academic Requirements:
See http://www.nmu.edu/bulletin1617/admission-requirements-and-application-procedures.

SAGINAW VALLEY STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 2008

DEGREES OFFERED: Bachelor of Arts, GIS Certificate; Minors available in Geospatial Techniques; General Minor in Geography; Geography Minor for Teacher Certification

DEGREES GRANTED (Or Expected) 9/1/16 – 8/31/17: 11 MAJORS: 33 Undergraduate Geography Majors
CHAIR: Frederick W. Sunderman III

PROGRAM ADMINISTRATIVE ASSISTANT: Lori Kranz

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, Gilbertson Hall North 150, Saginaw Valley State University, University Center, Michigan 48710. Telephone (989) 964-2769. E-mail: geography@svsu.edu. Internet: www.svsu.edu/geography.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography at Saginaw Valley State University offers undergraduate majors in Geography the opportunity to join faculty research projects in the areas of GIScience, Crime Mapping, Biogeography, Geomorphology, Cultural Geography, Urban Geography, Population Geography, Historical Geography and Remote Sensing. The department has a GIS/Remote Sensing laboratory, and physical geography laboratory equipment.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Admission to the undergraduate major program in Geography is the same as for admission to the College of Arts and Behavioral Sciences. In addition to the University Core Curriculum requirements, undergraduate majors are expected to take Introduction to Physical Geography, North American Regional Geography, World
Cultural Geography, Geographic Information Systems, Research Methods in Geography, and Geographical Inquiry. 18 additional credit hours of geography electives are required for the major. Undergraduate majors are eligible for earning credit through internal and external internship programs, and study abroad experiences.

FACULTY:
Martin Arford, Ph.D., University of Tennessee, 2008, Professor — Environmental Science, Soil Science, Biogeography, Paleoecology
Julie L. Commerford, Ph.D., Kansas State University, 2016, Visiting Assistant Professor — biogeography, paleoenvironmental change, GIS
John Grolle, Ph.D., Michigan State University, 1995, Associate Professor — Physical Geography, Sub-Saharan Africa, Geography of Development
Sara Beth Keough, Ph.D., University of Tennessee, 2007, Professor — human/cultural geography, urban geography, Canada, West Africa, qualitative methods
Andrew Miller, Ph.D., University of Cincinnati, 2010, Associate Professor — GISScience, Natural Hazards, Crime Mapping
Rhett L. Mohler, Ph.D., Kansas State University, 2011, Associate Professor — remote sensing, land use/land cover change
Evelyn Ross, Ph.D., University of Cincinnati, 2001, Professor — Population Geography, Urban Geography, Economic Geography, Latin America
Frederick W. Sunderman III, Ph.D., Louisiana State University, 2001, Associate Professor — Environmental Historical Geography, North America, History of Geography

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.S. Geography, Graduate Certificate in Geographic Information Science
GRANTED 9/1/15-8/31/16: Bachelors: 21 in Geography, 0 in Community & Regional Planning, 6 in Tourism & Travel, 7 Masters, 4 certificates
STUDENTS IN RESIDENCE: 121 Majors (79 in Geography, 33 in Tourism & Travel, 9 in Community & Regional Planning), 7 in GIScience Certificate, and 25 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. S. 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 state-of-the-art computer hardware and geographic and statistical analysis software. The department operates the W.E. Upjohn Center for the Study of Geographical Change, which provides the academic community world class data, 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 (HDReAM), 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, 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. Students make general application for admission thorough the Admission Office online site. Teaching and Research Assistantships for the academic year (September-April) are available. Applications for financial assistantship submitted to the Department of Geography. Graduate assistants are provided office space, as are other graduate students insofar as possible.

FACULTY:
Kathleen Baker, Ph.D., Michigan State, 2002, Associate Professor & Acting Director, W.E. Upjohn Center for the Study of Geographical Change — geographic information systems, physical geography, geoddata information processing, global positioning systems, computer mapping, surveying techniques, remote sensing, geospatial techniques, spatial analysis, quantitative methods agricultural and biogeography
Matthew Borr, M.A. Western Michigan University, Instructor — geographic information systems, physical geography
Stephanie Ri. Cameron, AB, Michigan State, 2017, 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

Todd Ellis, PhD, Colorado State University, 2008, Assistant Professor — meteorology and climatology, earth science education k-12, informal atmospheric, remote sensing

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

Michael Gutowsky, M.A. Western Michigan University, Instructor — geographic information systems, physical geography, political geography, remote sensing, regional geography

Lucius Hallett IV, Ph.D., Kansas, 2007, Associate Professor — human geography, tourism and travel, culinary geography and food networks, regional geography, agricultural geography, agritourism

Rebecca Harvey, M.A., Western Michigan University, 1988, AICP American Institute of Certified Planners, PCP State of Michigan Professional Community Planner, Instructor — geographic information systems (GIS), physical geography, community and regional planning, planning zoning, groundwater protection, local land use, development of open space, community planning consultant

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

James McManus, M.A. Western Michigan University, 1992, B.S. Valparaiso University, 1987, AICP American Institute of Certified Planners, PCP State of Michigan Professional Community Planner, Instructor — geographic information systems (GIS), physical geography, community and regional planning, planning zoning, groundwater protection, local land use, soil erosion program, county planning director since 1994

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

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, physical geography, qualitative methods, research methods in geography, agritourism, political geography

Jessica Wesel, M.A. Western Michigan University — environmental geography

Li Yang, Ph.D., Waterloo, 2007, Associate Professor — tourism planning, tourism marketing, and cultural tourism

Laiyin Zhu, Ph.D., Texas A&M University, 2013, Assistant Professor — land-atmospheric interactions, meteorology and climatology, geo-hydrology & engineering geology, soil physics, geographic information systems

ADJUNCT FACULTY:
Michelle Metro-Roland, PhD, Indiana University, 2008 — cultural and urban geography, landscape, tourism, semiotics

EMERITI FACULTY:
David G. Dickason, PhD, 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

Elder 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

W.E. Upjohn Center for the Study of Geographical Change:
Kathleen Baker, Ph.D., Michigan State, 2002, Associate Professor & Acting Director, W.E. Upjohn Center for the Study of Geographical Change — geographic information systems, physical geography, geodata information processing, global positioning systems, computer mapping, surveying techniques, remote sensing, geospatial techniques, spatial analysis, quantitative methods agricultural and biogeography

Gregory Anderson, B.S., Western Michigan — geographic information system analysis

Kevin Ageta, B.S., Western Michigan — geographic information system analysis

MINNESOTA

GUSTAVUS ADOLPHUS COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1952

DEGREES OFFERED: B.A.

GRANTED 8/22/16-8/22/17: 10 Bachelors

CHAIR: Anna Versluis

DEPARTMENT ADMINISTRATIVE ASST: Ms. Judy Helmeke

FOR CATALOG AND FURTHER INFORMATION WRITE: Department of Geography, Gustavus Adolphus College, 800 W College Ave., Saint Peter, Minnesota 56082. Telephone (507) 933-7320. Fax (507) 933-7041. E-mail: jhelmek2@gustavus.edu. Internet: https://gustavus.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The Geography Department cultivates a holistic understanding of human-environment relationships; a critical awareness of environmental and 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. Geography 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, collaboration, reflection, and strong oral and written communication. We promote fieldwork, community service, and internships. Study Away semesters, cross-cultural learning experiences, and travel courses are strongly encouraged. Geography graduates continue to careers in natural resource conservation, geospatial analysis, international and community development, urban planning, environmental law and policy, and teaching and research. Two-thirds of Gustavus Geography alumni hold a graduate degree.
The department is located on the first floor of the Nobel Hall of Science. 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, ERDAS IMAGINE, IDRISI, and Orthomapper. The Jacobson Climatology Laboratory, departmental weather station, groundwater well-field, and a stream monitoring station provide instructional and research opportunities for students. The Robert Moline Map Library is housed in the department and features a collection of nearly 100,000 maps from around the world.

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 56074 (http://gustavus.edu/admission/), Tel. (507) 933-7676 or 1-800-GUSTAVUS; E-mail: admission@gustavus.edu. Financial Aid information may be obtained from: Financial Aid Office, Gustavus Adolphus College, Saint Peter, Minnesota 56074 (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 as a teaching assistant.

FACULTY:
Parvathy Binoy, M.A., Syracuse University, 2009, Visiting Assistant Professor — environmental justice, international development, South Asia
Tyler Grupa, M.S., Minnesota State University, 2016, Visiting Instructor — GIS, remote sensing, water resources
Jeff La Frenierre, Ph.D., Ohio State University, 2014, Assistant Professor — physical geography, GIS, mountain geography, water resources, cryosphere, climate change
Anna Versluis, Ph.D., Clark University, 2008, Associate Professor and Chair — human-environment, political ecology, Haiti, remote sensing, disasters
Joaquin Villanueva, Ph.D., Syracuse University, 2013, Assistant Professor — urban geography, political geography, Europe, legal geography

ITASCA COMMUNITY COLLEGE

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1999
DEGREES OFFERED: Associate in Science in Geography/Geographic Information Systems (60 credits—mostly online); GIS Professional Certificate (16 credits—entirely online).
DEGREES GRANTED 9/1/14 – 8/31/15: 25
MAJORS: Geography/GIS; GIS Professional Certificate
CHAIR: Timothy Fox

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Timothy Fox, Itasca Community College, 1851 E. Hwy 169, Grand Rapids, Minnesota, 55744. 218-322-2364 Timothy.Fox@itascacc.edu http://www.itascacc.edu/academics/area-of-study/gis/


FACULTY:
Timothy Fox, Program Coordinator, Geography/GIS/Sciences Faculty
Michael LeClaire, GIS Faculty
Kim Nelson, GIS Faculty
Kimmy Tapp, GIS Faculty
Erin Mason, GIS Faculty
Richard Bohannon, Geography Faculty

MACALESTER COLLEGE

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1947
DEGREES OFFERED: B.A.
GRANTED 9/1/16-8/31/17: 36 Bachelors
MAJORS: 119
CHAIR: Holly R. Barcus
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. Website: 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 Geospatial Analysis 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.

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 79 percent of Macalester’s students receive some form of financial aid.

FACULTY:
Holly R. Barcus, Ph.D., Kansas State, 2001, Professor — Population, GIS, rural livelihoods, ethnicity, identity, mobility and migration studies
Eric Carter, Ph.D., Wisconsin, 2005, Edens Associate Professor of Geography and Global Health — medical, human-environment, Latin America
I-Chun Catherine Chang, Ph.D., Minnesota, 2015, Assistant Professor — Asian, economic, global cities
David A. Lanegran, Ph.D., Minnesota, 1970, Professor Emeritus
Kelsey McDonald, Ph.D., Minnesota, 2013, Visiting Assistant Professor — medical, GIS, and quantitative analysis
William G. Moseley, Ph.D., Georgia, 2001, Professor — Political ecology, tropical agriculture, environment and development policy, and livelihood security
Ashley Nepp, MGIS, Minnesota, 2011, GIS Lab Instructor — GIS, cartography, Geovisualization
Jerry Pitzl, Ph.D., Minnesota, 1974, Professor Emeritus
Laura J. Smith, Ph.D., Minnesota, 2004, Associate Professor — Urban economic, North America, Native Americans, and statistical methods
Daniel Trudeau, Ph.D., Colorado, 2006, Associate Professor — Urban social, social welfare policy, urban governance, and qualitative methods

MINNESOTA STATE UNIVERSITY, MANKATO

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1953
GRADUATE PROGRAM FOUNDED: 1953
GRANTED: 9/1/15-8/31/16: 35 Bachelors, 6 Masters
STUDENTS IN RESIDENCE: 120 Majors, 26 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, and Mountains. 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/GNSS units. The department also hosts a cutting edge weather and climate laboratory.

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. 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: MS - 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. PSM (Professional Science Master’s) candidates must complete 30 semester hours of graduate work, half in GIScience, half in MBA or MPA “professional skills” courses. A capstone project and/or internship are required.

FACULTY:
Donald A. Friend, Ph.D., Arizona State, 1997, Professor — physical, geomorphology, mountain environments, conservation
Woo Jang, Ph.D., Georgia, 2012, Associate 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 and Distinguished Faculty Scholar — climatology, natural resources, cartography, the American West and Middle West
Rama Mohapatra, Ph.D., Wisconsin-Milwaukee, 2012, Associate Professor — GIScience, remote sensing, urban, South Asia
Ginger Schmidt, 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 and Distinguished Faculty Scholar — remote sensing, GIScience, East Asia

ADJUNCT FACULTY:
Thomas Maertens, Foreign Service Institute, US Dept of State — Security
Raymond Schmidt, M.S., Minnesota State, 2010, Instructor — Cultural

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 1/1/2015 to 1/1/2016: 40 Bachelors (various degree programs), 1 Masters
MAJORS: 100 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) 308-2985, email: dlwall@stcloudstate.edu or Graduate Program Director Dr. Mikhail Blinnikov, Telephone (320) 308-2263, Email: mblinnikov@stcloudstate.edu, http://www.stcloudstate.edu/gp/

PROGRAMS AND RESEARCH FACILITIES: The Geography Program provides students with an awareness that the earth’s phenomena are spatially associated and often interdependent. Emphasis is placed upon principles fundamental to a well-grounded education in academic geography preparatory to a range of careers in the private and public sectors, including teaching, and the pursuit of further graduate study. Cornerstones of SCSU’s geography program
include the study of physical and human geography in a range of introductory and advanced topical and regional courses, as well as the hands-on learning of applied skills in cartography, geographic information systems, aerial photograph interpretation/remote sensing, and quantitative and qualitative research 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 M.S 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 SCSC Department of Geography GIS lab utilizes 30 dual-monitor 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, Pfoffice, 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 orthophotographs, and census-related data.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. See the catalog for admission requirements and financial aid.

FACULTY:
Randal G. Baker, Ph.D., Oregon State University, 1993, Professor — travel/tourism, resources, recreation, Europe
Mikhail Blinnikov, Ph.D., University of Oregon, 1999, Professor — conservation, biogeography, GIS, Russia
Lewis G. Wixon, Ph.D., Indiana State University, 1978, Professor
Hung-Chih (Alvin) Yu, Ph.D., Pennsylvania State University, 2008, Associate Professor
Sara Braun, Graduate Program Coordinator, Department of Geography, Environment and Society, University of Minnesota, 267 19th Avenue South, Minneapolis, MN 55455. Email: geog- dgc@umn.edu Telephone (612) 625-0864. Fax (612) 624-1044. Website https://cla.umn.edu/geography

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 modeling; temperature and precipitation climate variability; climate change; Cultural Geography: new cultural geography; landscape and place; political ecology; qualitative methods of geographic research; Cultural Geography: new cultural geography; landscape and place; 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; Scandinavian and European; 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 policy; 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.

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: https://cla.umn.edu/mgis/program/master-geographic-information-science

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:
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

Peter Caithor, D.Sc., University of Leeds UK, 1984, Professor — science and public policy, focusing on risk of chemicals in the environment.

Kate Derickson, Ph.D., The Pennsylvania State University, 2011, Associate Professor — Urban political economy, race and racialization, feminist and critical epistemology, engaged scholarship, land use and environmental politics, social and political theory

Dodge, S., Ph.D., University of Zurich, 2011, Assistant professor — GIScience, movement analysis and modeling, spatiotemporal analytics, agent-based simulation, geographic visualization, movement ecology, movement-environment interactions.

Vinay K. Gidwani, Ph.D. UC-Berkeley, 1997, Professor — development economics; agrarian/environmental studies

Kathryn Grace, Ph.D. UC-Santa Barbara, 2008, Assistant Professor — population geography, demography, health, development, food security and land cover land use change, quantitative and qualitative analysis

Daniel Griffin, Ph.D. University of Arizona, 2013, Assistant Professor — climate science; environmental change; water resource issues; dendrochronology

George Henderson, Ph.D., UC-Berkeley, 1992, Professor — Marxism; post-capitalist politics; value theory of labor; Marxist cultural critique

Kurt F. Kipfnuebler, 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, 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

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

Eric Shook, Ph.D., University of Illinois at Urbana-Champaign, 2013, Assistant Professor — cyberGIS, geographic information science, agent-based modeling, high-performance computing

Ying Song, Ph.D., The Ohio State University, 2015, Assistant Professor — GIScience, time geography, spatio-temporal modeling and analysis, transportation geography

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, Associate Professor — paleoclimatology, climate dynamics, natural hazards, and climate impacts on renewable energy

ADJUNCT FACULTY:
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 Cramp, Ph.D., University of Nebraska-Lincoln, 1989, Associate Professor, Housing Studies — housing and patterns of urban development

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 Maccaster 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

Rica 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

*John Fraser Hart, Ph.D., Northwestern, 1950, Professor Emeritus — rural, U.S. and Canada, geographic writing

*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: https://cla.umn.edu/mgis/people/faculty

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

STUDENTS: 111 Majors, 28 Master’s, 4 Doctorates

CHAIR: David Cochran

DEPARTMENT ADMINISTRATIVE ASST: Candice Beavers

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 Candice.Carter@usm.edu.

PROGRAMS AND RESEARCH FACILITIES:

DEGREE PROGRAMS: The Geography program at The University of Southern Mississippi offers the only baccalaureate, master’s 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, sustainable 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 acccents 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. The department offers the full range of courses for undergraduate majors at both the Hattiesburg and Gulf Coast (Long Beach) campuses. 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 the Caribbean, Central America, and Gulf of Mexico, as well as Great Britain and Europe.

AFFILIATIONS: Resources and facilities at Southern Miss are ample and varied. The department maintains teaching and research facilities at the University’s Gulf Coast Geospatial Center on the Gulf Park campus and a research association with the U.S. Army Corps of Engineers Waterways Experiment Station in Vicksburg. The department houses a GIS/RS lab, is actively involved in the Enterprise for Innovative Geospatial Science (EIGS), and is home to the Southern Miss Center for Geospatial Studies. The Geo-Informatics and Hazards Research Laboratory (GHRL) is also housed within the department. 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 15 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 Grant Harley – Grant.Harley@usm.edu.

GEOGRAPHY FACULTY:
Jerry O. Joby Bass, Ph.D., Texas, 2003, Associate Professor — cultural, historical, U.S. South, repeat photography and Middle America (Gulf Park campus)
Greg Carter, Ph.D., (Botany), Wyoming, 1985, Professor — remote sensing, barrier islands, vegetation and coastal systems, environmental change (Gulf Park campus)
David M. Cochran, Ph.D., Kansas, 2005, Associate Professor — political ecology, hazards, tropical cyclones, Caribbean, and Gulf of Mexico (Hattiesburg campus)
Clifton ‘Skeeter’ Dixon, Ph.D., Texas A&M, 1988, Associate Professor — cultural, frontier settlement studies and land use, coastal ethnography, hurricanes, Mexico and Central America (Hattiesburg campus)
Frank Heitmuller, Ph.D., Texas, 2009, Associate Professor — fluvial and coastal geomorphology, sedimentology, Gulf South coastal plain (Hattiesburg campus)
David H. Holt, Ph.D., Arkansas, 2002, Associate Professor — dendrochronology, climatology, GIS, environmental change, Europe (Gulf Park campus)
Mark M. Miller, Ph.D., Arizona, 1988, Professor — regional development, tourism, digital video, ethnography and Caribbean (Hattiesburg campus)
George T. Ruber, Ph.D., South Carolina, 2004, Professor — Geographic Information Systems, physical and environmental remote sensing, hurricane impacts and land use/land cover change (Hattiesburg campus)
Carl ‘Andy’ Reese, Ph.D., Louisiana State, 2003, Professor — 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. Panton, Ph.D., Kings College, University of London, 1982, Professor Emeritus of Geography
Robert W. Wales, Ph.D., Kansas, 1973, Professor Emeritus of Geography

MISSOURI

NORTHWEST MISSOURI STATE UNIVERSITY

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES
DATE FOUNDED: Geography 1970; combined 2012
DEGREES OFFERED: B.A. and B.S. Geography; B.S. Geographic Information Science; M.S. Geographic Information Science (online), graduate certificate Geographic Information Science (online); B.S. Emergency and Disaster Management; B.S. Criminology; B.A. and B.S. History; B.A. and B.S. Political Science; B.A. and B.S. Liberal Arts and Sciences; B.A. Philosophy; B.S.Ed. Social Science; M.S.Ed. Teaching History

DEGREES GRANTED 9/1/15-8/31/16: 13 Bachelors; 16 M.S. GIScience; 9 Graduate GIScience Certificates
MAJORS: 44 in Geography/GIScience; 23 Masters in GIScience; 17 Graduate GIScience Certificates
CHAIR: Dawn Gilley
SECRETARY: Cortni Shreve

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Humanities and Social Sciences, Northwest Missouri State University, Maryville, Missouri 64468. (660) 562-1290. Fax (660) 562-1241. E-mail: dgilley@nwmissouri.edu. Internet: http://www.nwmissouri.edu/dept/gis. For information about the online M.S. in Geographic Information Science, see http://www.nwmissouri.edu/dept/gis.

PROGRAMS AND RESEARCH FACILITIES: A broad-based undergraduate geography program is offered with concentrations in GIS/cartography/remote sensing and environment/resource management.

The department offers an online Master of Science degree in Geographic Information Science. The degree program focuses on applications of GIS in research and industry. Students may earn a graduate certificate in GIS by taking a subset of courses required for the Masters degree.

ACADEMIC PLAN AND ADMISSION REQUIREMENTS:
Bachelor’s degrees in geography require 31-37 credit hours and a minor, depending on the major emphasis and degree. The comprehensive major in geographic information science requires 55 credit hours. Minors offered by the department require 18-28 credit hours, depending on the subject area.

Thesis and non-thesis options are available for the M.S. in Geographic Information Science. The thesis option requires completion of 27-30 hours of approved graduate courses and 5 hours of thesis credit. The non-thesis research option requires completion of 33-36 hours of approved graduate courses and a research paper. Candidates must meet program admission requirements that include completion of a four-year undergraduate degree from an accredited college or university with an undergraduate GPA of 2.75 on a 4.0 scale; minimum verbal plus quantitative GRE score of 286 (students not meeting this score must maintain a 3.0 average for the first nine hours of graduate credit before admission to candidacy); two letters of recommendation; and a writing sample to be evaluated during the student’s first trimester. GRE scores are not required for applicants for the graduate certificate program. For additional information, see http://www.nwmissouri.edu/dept/gis.

FACULTY:
Geography/GIS
Jeffrey Bradley, M.S., Oklahoma State, 1991, Senior Instructor — physical, natural disasters
Brett Chloupek, Ph.D., Kansas, 2013, Assistant Instructor — urban, cultural, environment

Emergency and Disaster Management
Mark Corson, Ph.D., South Carolina, 1997, Professor — emergency management and homeland security, geospatial intelligence, political, military
Patricia Drews, Ph.D., South Carolina, 1999, Professor and GIScience Program Director — GIS, quantitative methods
Theodore Goudge, Ed.D., Oklahoma State, 1984, Associate Professor — sport geography
Ming-Chih Hung, Ph.D., Utah, 2003, Professor — GIS, remote sensing
Kevin Romig, Ph.D., Arizona State, 2004, Assistant Professor — urban, cultural, environment

Humanities
Dawn Gilley, Ph.D., Missouri-Columbia, Associate Professor

Philosophy
James Eiswert, Ph.D., University of Leuven, Associate Professor

Yi-Hwa Wu, Ph.D., Utah, 2003, Professor — GIS, geocomputation

Emergency and Disaster Management
John Carr, M.S., North Dakota State, Instructor

History
Joel Benson, Ph.D., Miami, Professor
Elyssa Ford, Ph.D., Arizona State, Assistant Professor
Matt Johnson, M.A., Northwest Missouri State, Senior Instructor
Devlin Scofield, Ph.D., Michigan State, Assistant Professor
Dana Ternus, M.A., Northwest Missouri State, Lecturer
Robert Voss, Ph.D., Nebraska-Lincoln, Assistant Professor
Richard Field, Ph.D., Southern Illinois at Carbondale, Associate Professor

Political Science
Kimberly Casey, Ph.D., Missouri-St. Louis, Assistant Professor
Lake Campbell, Ph.D., Kansas, Assistant Professor
Jessica Gracey, Ph.D., Missouri-St. Louis, Assistant Professor
Brian Hesse, Ph.D., London School of Economics and Political Science, Professor
David Jerome, Ph.D., Arkansas-Fayetteville, Assistant Professor
Daniel Smith, J.D., Virginia, Assistant Professor

Criminology
Kamala Tabor, M.A., Sophia University, Instructor

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 8/21/15-5/31/16: 25 Bachelors, 5 Masters
STUDENTS IN RESIDENCE: 75 Majors, 14 Masters
CHAIR: Michael Urban
DEPARTMENT ADMINISTRATIVE ASSISTANT: Dina Nichols

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, University of Missouri-Columbia, 303 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/region/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 coupled with research project. 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 well prepared to succeed in top doctoral programs in Geography as well as professional employment in fields such as Geographic Information Sciences, environmental management, planning and preservation. Our graduates are found in local, state and federal government agencies, the private sector, 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 February 1. 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:
Clayton F. Blodgett, PhD, University of Kansas, 2004, Assistant Teaching Professor — remote sensing, geographic information systems, spatial statistics/environmental modeling, conservation ecology, biogeography, landscape ecology
Grant P. Elliott, Ph.D., Minnesota, 2009, Assistant Professor — vegetation-climate interactions; ectotonal dynamics of upper treeline; dendroecology; disturbance ecology; climate change; dendroclimatology; mountain environments
Matthew Fouke, 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, Associate 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, Associate 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
Larry Brown, Ph.D., Missouri-Columbia, 2003, Resident Instructor

ADJUNCT FACULTY:
Walter A. Schroeder, Ph.D., Missouri-Columbia, 2000, Associate
Christopher L. (Kit) Salter, Ph.D., University of California-Berkeley,
exogenous peoples

PROGRAMS AND RESEARCH FACILITIES:

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 —
bioeography, 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
alitmetry, 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

TECHNICAL STAFF:
Timothy Haitchoat, 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
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 9/1/15- 8/31/16: 17 Bachelors, 4 Masters

STUDENTS IN RESIDENCE: 64 Majors, 16 Masters

CHAIR: David Shively

DEPARTMENTAL ADMINISTRATIVE ASSOCIATE:
Angela Melton-Paisley

FOR FURTHER INFORMATION CONTACT: Department of Geography, 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://hs.umt.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers baccalaureate and graduate degrees with or without
options, focusing on Mountain Environments, Community and Environmental Planning, and Geospatial Technologies and
Perspectives/GIS. The Bachelor of Arts program is designed to
provide students with an integrative, liberal-arts education, while the
Bachelor of Sciences offers a stronger footing in mathematics and sciences (STEM). The B.A. is offered with option in Community and
Environmental Planning, and the B.S. can be pursued with option in
Physical Geography. We also offer an interdisciplinary Certificate in
GIS Sciences and Technologies and house 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. Additionally, the Department of Geography
contributes to two interdisciplinary minors: the Minor in Climate
Change Studies, and the Minor in International Development Studies.
Pursuit of a Geography major in combination with a minor in an allied
field has become increasingly common. Students majoring in
secondary education may elect geography as a major or minor area of
endorsement.

The Master of Arts is offered without option (general geography) and
the Master of Science is offered without option, with option in
Cartography and GIS, and with option in Community and
Environmental Planning. Geography graduate program with or
without options gives students the opportunity to pursue one of the
following tracks: a thesis track, a professional paper track, or a non-
thesis (exam and portfolio) track. The choice of tracks offers graduate
students much flexibility in matching their graduate education with
their career goals. Credits vary by option and track, typically requiring
a commitment of two years. Interdepartmental collaboration and
research based upon field work are encouraged. Further information
for Montana geography can be found at the department’s website
http://hs.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, PCI Geomatica, TransCAD,
GeoDa, 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 three-week
winter session in January; 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 2016-2017 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 March 1st for Fall Semester
Admission and TA consideration. To be considered for a teaching
assistantship, applications must include a letter stating interest in and
describing qualifications for a TAship. Applications for admission
may be considered after March 1st based on available capacity.
Information regarding the graduate application procedure is available
at 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://www.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
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, Professor — high-mountain geography, quaternary, geomorphology, glaciology, environmental and climate change, natural hazards, river restoration, remote sensing, Middle East, South Asia, South America, Europe
Heather Almquist, Ph.D., Lund (Sweden), 1994, Donald Alford, Ph.D., Colorado-Boulder, 1973
Claudia Carr, Ph.D., Chicago, 1977
Rory Cowie, Ph.D., Colorado-Boulder, 2014
Zachary A. Holden, Ph.D. Idaho, 2008
Rory Cowie, Ph.D., Colorado-Boulder, 2014
Zachary A. Holden, Ph.D. Idaho, 2008
Claudia Carr, Ph.D., Chicago, 1977
Laura Becerra, Ph.D., Montana, 2015
Nathan Eidem, Ph.D., Oregon State University 2011, Lecturer — GIS, environmental

AFFILIATED FACULTY & ADJUNCT INSTRUCTORS:
Donald Alford, Ph.D., Colorado-Boulder, 1973
Heather Almquist, Ph.D., Lund (Sweden), 1994
Kyle Balke, M.S., Montana, 2010
Laura Becerra, Ph.D., Montana, 2015
Claudia Carr, Ph.D., Chicago, 1977
Rory Cowie, Ph.D., Colorado-Boulder, 2014
Faith Ann Heinisch, Ph.D., Texas A&M, 2002
Zachary A. Holden, Ph.D. Idaho, 2008
Ia Iashvili, Ph.D., Tbilisi State, Georgia, 1998
Irena Mrak, Ph.D., Ljubljana, Slovenia, 2009
Leah Samberg, Ph.D., Santa Cruz, 2011
Fernando Sánchez-Trigueros, Ph.D., Rovira i Virgili, Spain, 2013
Tamara Wall, Ph.D., Montana, 2007
Hans Zauering, Ph.D. Iowa State, 1974

NEBRASKA
UNIVERSITY OF NEBRASKA - KEARNEY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1960
GRANTED 5-15-14 – 5-15-15: 10 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: combshj@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 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, Professor — cultural, North America, cartography, GIS
Vijendra Boken, Ph.D., University of Manitoba 1999, 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, Professor and Chair — cultural, human, urban
Jeremy Dillon, Ph.D., University of Kansas 2002, 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
Students have access to state-of-the-art computing including image (HPRCC) and the National Drought Mitigation Center (NDMC). Technologies (CALMIT), the High Plains Regional Climate Center including the Center for Advanced Land Management Information laboratories and several nationally-recognized research centers modern research and classroom facility that also houses other units of Geography faculty and student offices are located in Hardin Hall, a combining strengths of Geography and the Department of Community Planning environmental perception, Native American studies, Great Plains faculty foci include historical settlement, land use change, particularly strong programs exist in: (1) Geographic Information Science (remote sensing and GIS), capitalizing on the strengths and facilities of the Center for Advanced Land Management Information Technologies (CALMIT) and National Drought Mitigation Center (NDMC); (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 MA or PhD combining strengths of Geography and the Department of Community and Regional Planning.

Graduate: Graduate students can pursue 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 and GIS), research skills and quantitative methods. The program prepares students for positions in government and industry, and for graduate work in geography or related fields.

Graduate: Graduate students can pursue either a 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 and GIS), capitalizing on the strengths and facilities of the Center for Advanced Land Management Information Technologies (CALMIT) and National Drought Mitigation Center (NDMC); (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 MA or PhD combining strengths of Geography and the Department of Community and Regional Planning.

Graduate: Graduate students can pursue either a 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 and GIS), capitalizing on the strengths and facilities of the Center for Advanced Land Management Information Technologies (CALMIT) and National Drought Mitigation Center (NDMC); (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 MA or PhD combining strengths of Geography and the Department of Community and Regional Planning.

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 Emeritus — spatial theory, quantitative analysis, environment and behavior, diffusion
J. Clark Archer, PhD, Iowa, 1974, Professor — political, settlement, computer cartography, GIS
Rebecca A. Baller, PhD, Nebraska, 2009, Assistant Professor of Practice — historical and cultural geography, historical geography of the Great Plains, human trafficking, women’s and gender studies
John Carroll, PhD, North Dakota, 1989, Director of SNR and Professor — population biologist
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 Director of SNR and 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
Cozy Kusmate, 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
Katherine Nashleenas, PhD, Nebraska, 2005, Lecturer — human geography, ethnic studies, Africa, human dimensions of natural resources
Donald C. Randquist, 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
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. Cantarelo, 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
Zhengong Tang, PhD, Texas A&M, 2007, Assistant Professor, Community and Regional Planning — GIS and risk analysis

UNIVERSITY OF NEBRASKA AT OMAHA

DEPARTMENT OF GEOGRAPHY-GEOLOGY

DATE FOUNDED: 1958
GRADUATE PROGRAM FOUNDED: 1965
DEGREES OFFERED: B.A., B.S., M.A.
GRANTED 9/1/15-8/31/16: 36 Bachelors, 3 Masters
STUDENTS IN RESIDENCE: 111 Majors, 69 Masters
NOT IN RESIDENCE: 6 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 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.

Environmental and geographic 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 $13,030 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 UNO's 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.
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; Ph.D. in Geography

GRANTED 9/1/16-8/31/17: 8 Bachelors, 1 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 44 Majors, 5 Masters, 14 Ph.D.

CHAIR: Jill S. Heaton

DEPARTMENT ADMINISTRATIVE ASST: Prisilia Maldonado-Masegian

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 palyonology 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, and 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, Associate Professor — land use planning, GIS, spatial modeling, conservation biology

Kate A. Berry, PhD, Colorado, 1993, Professor — water resources, Native American and ethnic geography, law and public policy

Douglas P. Boyle, PhD, Arizona 2001, Associate Professor — surface water hydrology; snow hydrology; integrated modeling, paleoclimate modeling
NEW HAMPSHIRE

DARTMOUTH COLLEGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1942

DEGREES OFFERED: B.A.

GRANTED 9/16-6/17: 32 Bachelors

MAJORS: 80

CHAIR: Susanne Freidberg

DEPARTMENT ADMINISTRATOR: Kelly Palmer

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Professor Susanne Freidberg, Department of Geography,
PLMOUTH STATE UNIVERSITY

THE GEOGRAPHY PROGRAM WITHIN THE SOCIAL SCIENCE DEPARTMENT

DATE FOUNDED: 1975

DEGREES OFFERED: B.S. in Geography; B.S. in Environmental Planning; B.A. in Tourism Management and Policy

GRANTED 9/1/16-8/31/17: 22 Bachelors

MAJORS: 40

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/

PROGAMS 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.

The program also offers three degrees: BS in Geography; BS in Environmental Planning; and BA in Tourism Management and Policy. Each major integrates core courses in cultural geography, physical geography, and geographic techniques, while complimenting curriculum from other fields. Each programs encourages (GE) or requires (GE and TMP) a student internship of 3-9 credits with community and regional planning agencies, the travel and tourism industry, and GIS firms. These programs can also be complimented with a GIS Certificate or a new interdisciplinary Minor in Sustainability.

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 Office of Environmental Sustainability.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University employs a 15-week semester system for Fall and Spring and optional four-week Early Spring 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, The John Ozog Award provides a $1000+ scholarship annually to a deserving sophomore or junior who has shown academic excellence and participated in the PSU Geo Club. The Okrant Family Scholarship is also awarded to an outstanding student in Tourism Management & Policy.

FACULTY:

Adam W. Keul Ph.D., Florida State 2011, Assistant Professor — tourism geography, political economy and ecology, cultural geography, coastal studies.

Hyeon Joong Kim, Ph.D., Kent State University, 2007, Assistant Professor — spatial analysis, geographic information systems, remote sensing, cartography, and geographic education

Patrick May, Ph.D., University of Maryland, 1999, Associate Professor and Coordinator of Geography — cultural geography, geographic education, urban historical geography, Africa.

Steve Whitman, M.S., AICP, University of Massachusetts, 1998, Contract Faculty — environmental planning, community resilience, permaculture design

EMERITUS FACULTY:

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 — military geography, GIS, Europe

UNIVERSITY OF NEW HAMPSHIRE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1968

DEGREES OFFERED: B.A.

GRANTED 9/1/15-8/31/16: 19 Bachelors

MAJORS: 38

CHAIR: Mary Stampone

DEPARTMENT ADMINISTRATIVE ASST: Ginny Bannon

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Mary Stampone, 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: mary.stampone@unh.edu Internet: http://www.unh.edu/geography/

PROGAMS 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 China.

Faculty are currently engaged in research projects about globalization in the Middle East, immigration in New England, climate change in New England, Chinese capital and labor in global production networks, 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
Blake Gumprecht, Ph.D., Oklahoma, 2000, Associate Professor and Chair — urban, cultural, historical, North America, New England
Tu Lan, Ph.D., North Carolina, 2014, Assistant Professor — economic geography, global production networks, transnational migration and entrepreneurship, critical theory, China, Italy
Maingi Solomon, PhD., West Virginia University, 2015, Lecturer — human-environment interactions, political economy of agrarian systems, environmental conflict in Africa
Mary D. Stampone, Ph.D., Delaware, 2009, Associate Professor and New Hampshire State Climatologist — climate, climate monitoring and modeling, cryosphere
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, PLANNING & SUSTAINABILITY
DATE FOUNDED: 1970
DEGREES OFFERED: 4 Baccalaureate degree programs
(See below)
GRANTED 9/1/16 – 8/31/17: 49 Bachelors
MAJORS: 192
CHAIR: Patrick Crumrine
DEPARTMENT ADMINISTRATIVE ASST: Laura Ruthig

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Patrick Crumrine, Department of Geography, Planning & Sustainability, 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 four baccalaureate degree programs, nine minors and two Certificates of Undergraduate Study. The programs include a BA and minor in Geography, a BA and minor in Environmental Studies & Sustainability, a BS and Minor in Community & Environmental Planning, and a BS and Minor in GIS. The concentrations include: Geoscience, Environmental Science, Applied Geographic Knowledge and Skills (GeoEducation), Geographic Inquiries into Global Issues and Sustainable Built Environments. There are also Certificates of Undergraduate Study in Geographic Information Systems & Science and Sustainable Urbanism as well as a post baccalaureate 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 four 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 activities. 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 — land use planning, GIS, sustainability, geography storytelling
Jordan Hewes, Ph.D., Michigan State University, 2013, Assistant Professor — waste, Hawaii, North America, technology, environmental policy
Jennifer Kitson, Ph.D., Arizona State University, 2015, Assistant Professor — urban, cultural, sensory and aesthetic experience, non-representational theory, sustainable urbanism
Charles McGlynn, Ph.D., Rutgers University, 2011, Instructor — water resources, population, Asia, American and Russian studies
Mahbubur Memon, Ph.D., Temple University, 2014, Assistant Professor — spatial planning, green infrastructure, food environment, participatory planning, mixed-methods GIS

EMERITI FACULTY:
Edward F. Behn, M.A., Bowling Green, 1971, Assistant Professor — cultural, population, land use, Europe
Jerry N. Lent, 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. Stanfield, 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
Denyse Lemaire, Ph.D., Free University of Brussels, 1992, Professor — glaciology, geology, environmental science

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 19/1/15-8/31/16: 23 Bachelors, 0 Masters, 2 Ph.D.

STUDENTS IN RESIDENCE: 40 Majors, 1 Masters, 41 Ph.D.

CHAIR: Robin Leichenko

GRADUATE DIRECTOR: Laura Schneider

DEPARTMENT ADMINISTRATIVE ASST: Cleo Bartos

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Undergraduate: Office of Undergraduate Admissions, Operations Center, Rutgers, The State University of New Jersey, 65 Davidson Road, Room 202, Piscataway, New Jersey 08854-8097. Telephone (732) 445-4636. Fax (732) 445-8088. 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, Urban Policy Research, the Institute of Marine and Coastal Sciences, of the State Climatologist, and maintains close ties with a number of 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. Certicate 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, Associate Professor — urban informality and governance, the political economy of displacement, political ecology, governmenntality and rule, ethnography, Indian politics, the politics of displacement, rule & resistance, urban geography, development, aesthetic politics, ethnography, India

Robin Leichenko, Ph.D., Pennsylvania State, 1997, Professor — economic geography, climate change vulnerability, human dimensions of global environmental change

Asa Rennermalm, Ph.D., Princeton, 2007, Associate Professor — physical geography, hydrology, climatology, Arctic region, Greenland ice sheet

David A. Robinson, Ph.D., Columbia, 1984, Professor N.J. State Climatologist — climatology, cryosphere, regional climates, physical geography

Kevon Rhiney, Ph.D., University of the West Indies, 2010, Assistant Professor — global environmental change, social and environmental justice, food security, small developing countries, Caribbean

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 and risk analysis, nuclear waste management
Heidi Hausmann, Ph.D., Arizona, 2010, Assistant Professor — agrarian change, political ecology, land-use/land-cover change
H. Briavel Holcomb, Ph.D., Colorado, 1972, Professor — urban redevelopment, inequalities, tourism, cyberspace
David M. Hughes, Ph.D., California-Berkeley, 1999, Professor — environmental anthropology, landscape, extractive industries, Africa, Caribbean
Robert W. Lake, Ph.D., Chicago, 1981, Professor — urban and political geography, environmental politics, planning and social theory
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 forestry, climate change
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
Karl F. Nordstrom, Ph.D., Rutgers, 1975, Professor — coastal geomorphology and management, environmental restoration
Karen M. O'Neill, Ph.D., California-Los Angeles, 1998, Associate Professor — environmental policy, water, state building, experts, organizations
Frank J. Popper, Ph.D., Harvard, 1972, Professor — land use, environmental and regional policy, natural resources management
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 — land use change, sustainable development, environmental sociology, Latin America
Mi Shih, PhD., Rutgers, 2010, Assistant Professor — land development, international urbanization, social protests and citizenship in China
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:
Carrie Mott, Ph.D., University of Kentucky, 2016, Instructor — feminist political geographies, race, justice, social movements, pedagogies
Paul O'Keefe, Ph.D., West Virginia University, 2015, Instructor — Development Geography, Political Ecology, Africa
Michael Siegel, M.L.S., Rutgers, 1983, Cartographer

EMERITUS FACULTY:
Robert M. Hordon
Bonnie McCoy
J. Kenneth Mitchell
Joanna Regulska
Peter O. Wacker

NEW MEXICO
NEW MEXICO STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1992
DEGREES OFFERED: B.S. Geography, Masters of Applied Geography
GRANTED 9/1/16-5/31/17: 21 Bachelors, 8 Masters
STUDENTS IN RESIDENCE: 57 Majors, 25 Masters
DEPARTMENT HEAD: Dr. Carol L. Campbell
DEPARTMENT SECRETARY: Susan DeMar

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Carol Campbell, Head, Department of Geography, MSC MAP, P.O. Box 30001, New Mexico State University, Las Cruces, New Mexico 88003 - 8001. Telephone (575) 646-3509. Fax (575) 646-7430. E-mail: geography@nmsu.edu. Internet: geography.nmsu.edu.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers the following degree programs: B.S. in Geography (two distinct concentrations in Geographic information Science and Technologies (GIS&T) and Human Environment Relationships) and a Master of Applied Geography. We emphasize GIS&T, geomorphology, biogeography, landscape ecology, arid environments, U.S.-Mexico border, water policy, transportation geography, remote sensing, environmental analysis, cultural geography, and the Southwest. We have a very strong commitment to applied research and to providing students with extensive field and professional experience.

The Spatial Applications Research Center provides students with “hands-on” experience employing state-of-the-art GIS&T equipment. Geography majors can receive academically-related employment and internships. We also have an excellent 30-seat geospatial teaching classroom.

New Mexico State University is a land grant institution with a main campus enrollment of approximately 15,000 students from 49 states and 89 foreign countries. Associated with the university are the Jornada Experimental Range (LTER), the New Mexico Department of Agriculture, and the Water Resources Research Institute. As a Ph.D. granting university, New Mexico State has a modern, well-endowed University Library, including a map library and documents collection, which serve as federal depositories.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system with two five-week summer sessions. Application for admission to the university may be obtained by writing to the Office of Admissions and Records, Box 3A, New Mexico State University, Las Cruces, New Mexico 88003 or online at admissions.nmsu.edu/contact-us/ or gradadmissions.nmsu.edu/admissions/. A variety of scholarships and fellowships are available through the department and university. Other financial aid in the department includes the potential for employment
as research aides in the Spatial Applications Research Center, teaching assistants, and general work-study positions.

FULL AND PART-TIME FACULTY:
Christopher P. Brown, Ph.D., San Diego State University, 1998, Associate Professor — U.S. Mexico border, water resource management, political ecology, GIS
Micheala Buenemann, PhD, Oklahoma, 2007, Associate Professor — arid environments, landscape ecology, GIS, remote sensing
Carol J. Campbell, PhD, UCLA, 2005, Associate Professor — biogeography, remote sensing, landscape ecology, Human-environment
Robert J. Czerniak, Ph.D., Colorado, 1979, Professor Emeritus — land use, community development, urban geography, transportation planning
Michael N. DeMers, Ph.D., Kansas, 1985, Professor — GIS, landscape ecology, geographic education
Daniel P. DuGas, Ph.D., Oregon-Eugene, 1993, Assistant Professor — geomorphology, physical geography, Quaternary environments, soils
John B. Wright, Ph.D., California-Berkeley, 1990, Professor Emeritus — cultural geography, environmental conservation, American West, New Mexico

UNIVERSITY OF NEW MEXICO

DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL STUDIES
DATE FOUNDED: 1961
GRADUATE PROGRAM FOUNDED: 1970
DEGREES OFFERED: B.A., B.S., M.S.
CERTIFICATE OFFERED: Graduate Certificate in Law, Environment, and Geography
GRANTED 9/1/2015-8/31/16: 12 Bachelors, 13 Masters
STUDENTS IN RESIDENCE: 79 Majors, 29 minors, 27 Masters
CHAIR: K. Maria D. Lane

FOR FURTHER INFORMATION WRITE TO: Department of Geography & Environmental Studies, Bandelier West Room 224, MSC01-1110, 1 University of New Mexico, Albuquerque, New Mexico 87131-0001. Telephone (505) 277-5041. Fax (505) 277-3614. E-mail: geography@unm.edu. Internet: http://geography.unm.edu/

PROGRAMS AND RESEARCH FACILITIES: The geography department at UMN offers a B.A., B.S., and M.S. in geography and is one of UNM’s most vibrant departments. Our award-winning faculty teaches engaging classes to undergraduate and graduate students studying GIScience, spatial analysis, legal geography, environmental policy and management, historical geography, and cartography, among other topics. We engage both graduate and undergraduate students in high-impact research here in the Southwest and throughout the world, with a particular focus on Latin America and the Atlantic World. The department recently updated its computer lab for GIS, geovisualization and remote sensing and also maintains a checkout facility for physical geography field equipment.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:
Undergraduate: The major in geography requires 38-43 credit hours of lower and upper division coursework. Introduction to Physical Geography, Human Geography, and Introduction to Maps and Geospatial Information are required of all majors. Undergraduates can also choose from three minors: Geography; Geographic Information Science; Law, Environment, and Geography.
Graduate: The University operates on the semester system. Both thesis and non-thesis plans are offered. Seminars on History & Methods in Geography and Approaches to Geographic Research are required. Candidates who select the thesis plan must complete additional graduate-credit courses and six thesis hours for a total of 30 credits, while non-thesis candidates must complete additional courses and a Master’s Project for a total of 33 credits. Candidates under the thesis plan will be examined orally on their theses. Candidates under the non-thesis plan will be tested with both oral and written examinations. Admission to the graduate program requires the applicant to make formal application to the Office of Graduate Studies, submitting a letter of intent, resume, GRE scores, and three letters of academic recommendation. The letter of intent is typically 2-3 pages in length, explaining the applicant’s background, interest in the program, research areas in which the applicant would like to work, and professional or career plans. Applications are due February 1, and decisions are made by March 15, along with funding offers. The department has 6 TA positions, and additional financial aid is typically available through faculty research grants.

FACULTY:
Melinda Harn Benson, J.D., University of Idaho College of Law, 1998, Associate Professor — environment & natural resource management, legal geography, social/ecological systems
Ronda L. Bruolote, Ph.D., University of Texas, Austin, 2006, Associate Professor — tourism geography, critical heritage studies, indigeneity, Latin America
John N Carr, Ph.D., University of Washington, 2007, J.D., University of Texas, 1993, Associate Professor — urban geography, legal geography, theories of globalization
Chris S. Davall, Ph.D., University of Wisconsin Madison, 2006, Associate Professor — human-environment geography, biogeochemistry, cultural ecology
Scott M. Freundschuh, Ph.D., State University of New York at Buffalo, 1992, Professor — spatial cognition, cartography and geovisualization, geographic information systems and science
Constantine Hadjilambrinos, Ph.D., University of Delaware, 2012, Assistant Professor — geographic information science, time-sensitive geographic information management

K. Maria D. Lane, Ph.D., University of Texas, 2006, Associate Professor — environmental knowledge, historical geography, Southwest U.S., geography of science

Yan Lin, Ph.D., Texas State University, 2014, Assistant Professor — Geographic Information Science and public health
Caitlin L. Lippitt, Ph.D., UC Santa Barbara and San Diego State University, 2013, Assistant Professor — biogeochemistry, remote sensing of vegetation, fire ecology
Christopher D. Lippitt, Ph.D., UC Santa Barbara and San Diego State University, 2012, Assistant Professor — remote sensing, geographic information science, environmental information, time-sensitive geographic information

Tema Midstein, Ph.D., University of Washington, 2007 — environmental communication, human-environment geography, nature tourism
Lindsay A. Smith, Ph.D., Harvard University, 2008, Assistant Professor — medical geography, migration studies, feminist geography, Latin America
Benjamin Warner, Ph.D., Arizona State University, 2014 — water governance, development geography, Latin America, political economy

EMERITUS FACULTY:
Elinore M. Barrett, Ph.D., University of California Berkeley, 1970, Professor Emeritus — cultural-historical, Latin America
Olen Paul Matthews, Ph.D., University of Washington, 1980; J.D., University of Idaho College of Law, 1975, Professor — environmental management, public lands, water resources, water law
Stanley A. Morain, Ph.D., University of Kansas, 1970, Professor Emeritus — biogeochemistry, remote sensing
ADJUNCT FACULTY:
Daniel Arreola, Ph.D., University of California, Los Angeles, 1980 — cultural geography, US-Mexico borderlands
Karl Benedict, Ph.D., University of New Mexico, 2004 — geospatial data infrastructure, applied GIS, geodatabases, data fusion, interoperability
Xi Gong, Ph.D., Texas State University, 2016 — Geographic Information Science, big data, environmental health
Joni Palmer, Ph.D., University of Colorado, 2012 — urban geography, cultural geography, geovisualization, and public art
Shawn Penman, Ph.D., University of New Mexico, 2002 — GIS, emergency management, fire mapping, interactive web mapping
Kim Seidler, M.S., University of New Mexico, Lecturer — urban planning, land use management
Cody Wiley, M.S. University of New Mexico, 2007 — biogeography, human-environment geography

NEW YORK

BINGHAMTON UNIVERSITY,
STATE UNIVERSITY OF NEW YORK

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1945
GRADUATE PROGRAM FOUNDED: 1966
DEGREES OFFERED: B.A., M.A.
GRANTED 9/1/16 - 8/31/17: 30 Bachelors, 21 Masters
STUDENTS IN RESIDENCE: 115 Majors, 40 Masters
CHAIR: Eugene Tettey-Fio
PROGRAM COORDINATOR: Brendan McGovern
DEPARTMENT SECRETARY: Rita Carr

FOR FURTHER INFORMATION WRITE TO: Graduate Admissions, Binghamton University, P.O. Box 6000 Binghamton, New York 13902-6000. Telephone (607) 777-2151. Internet: www.binghamton.edu/grad-school.


Graduate Program Director: Dr. John W. Frazier frazier@binghamton.edu. Mailing address: Dr. John Frazier, Department of Geography, P.O. Box 6000, Binghamton, NY 13902-6000

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 firms, 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**: MA in Urban-Environmental Sustainability—This program emphasizes the importance of the socio-political-cultural environments of various groups. Theories of sustainability science and applications are stressed.

A list recent students’ placement (employment, PhD Programs) is available on our website. Departmental facilities include Geographic Information System (GIS), remote sensing/air photo, physical geography, and student/faculty research laboratories. The laboratories consist of 80 networked microcomputers and 12 GPS receivers, scanners, and plotters are also available. The Department also has a map library, classrooms, and research library within our custom renovated, state-of-the-art building. The Department founded, 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/regional planning, urban economic/retailing, and American urban perspectives. Six courses are required for a minor. 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 a BA at the end of the 4th year and an MA at the end of the program (year 5). 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 additional course requirements for the MA degree in one additional 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
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
Louisa Holmes, Ph.D., University of Southern California, 2013 Assistant Professor — Medical Geography, Health Research
Norah F. Henry, Ph.D., Kent State, 1976, Associate Professor — Medical, Social Geography
Shin-Yi Hsu, Ph.D., UCLA, 1967, Professor Emeritus — Cartography, Remote Sensing and GIS, East Asia
Brendan Lavy, Ph.D., University of Texas, San Marcos, 2017, Visiting Assistant Professor — Natural Hazards, Resource Management
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
Aondover Tarhule, Ph.D., UC Berkeley, 1997, McMaster University, Canada — International research on climate and hydrology interactions, especially related to drought impacts in Africa.
Eugene Tettey-Fio, Ph.D., Kent State, 1996, Associate Professor and Chair — 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
Qiusheng Wu, Ph.D., University of Cincinnati, 2015, Assistant Professor — Geotechnologies, Physical Environment
Wan Yu, Ph.D., Arizona State University, 2015, Assistant Professor — Asian Migration, Qualitative Methods

ASSOCIATES:
Kevin Heard, MA Binghamton, 2002, Associate Director of GIS Core Facility — GIS
Brendan McGovern, MA Binghamton, Professional Staff — Human Geography, Cultural Geography
Lucius S. Willis, MA Binghamton, 1982, Professional Staff — Computer Cartography, Geographic Information Systems

PART-TIME FACULTY:
Frank Evangelisti, BA, SUNY- Buffalo, Environmental Design, APA, Chief Planner Broome County, New York, Adjunct Lecturer — Urban and Regional Planning
Erin Heard, MA Binghamton, 2003, Adjunct Lecturer — Physical Geography

Bruce Oldfield, MA Binghamton 1988, Adjunct Lecturer — Weather and Climate
Mary Beth Wills, MA, Binghamton, 1983, Adjunct Lecturer — Cultural Geography
Jennifer Yonkoski, MA, Binghamton, 2003, Senior Transportation Planner, Binghamton Metropolitan Transportation Study, Adjunct Lecturer — Urban Planning
Sara Zabalsky-Peer, MA Binghamton, 2013 — Urban Planning

DEPARTMENT OF GEOGRAPHY

DEGREES OFFERED: B.A.

CHAIR: Peter Klepeis

DEPARTMENT ADMINISTRATIVE ASSISTANT: Tracy Piatti

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Peter Klepeis, Department of Geography, Colgate University, 13 Oak Drive, Hamilton, NY 13346. Telephone (315) 228-7534. E-mail pklepis@colgate.edu

PROGRAMS AND RESEARCH FACILITIES: The discipline of geography bridges perspectives in the social and natural sciences. In addition to deepening knowledge of biophysical and social change processes in their own right, diverse methodological approaches uncover the relationships between humans and natural and social environments. Students are exposed to the full spectrum of disciplinary subfields, methods, and geographical techniques. They use integrative explanatory frameworks to grapple with critical areas of inquiry: the geopolitics of conflict, climate science, bio-geographies of endangered species, public health, urban planning, international development, environmental and social justice, and natural resource management among them. In exploring these themes, geography students move beyond passive knowledge consumption and towards the production of knowledge themselves, applying their skills and perspectives through collaborative work with faculty, fellow students, and members of the wider community.

The department offers two majors, one in Geography and the second in Environmental Geography. The Environmental Geography major is jointly administered by the Geography Department and Colgate’s Environmental Studies Program and requires students to take a core set of environmental studies courses in addition to Geography courses focused on environmental processes and impacts.

FACULTY:
Teo Ballvé, B.A., Colorado College, M.A., The New School University, Ph.D., University of California Berkeley, Assistant Professor of Geography and Peace & Conflict Studies
Adam W. Burnett, B.S., Aquinas College, M.A., Ohio University, Ph.D., Michigan State University, William R. Kenan Jr. Professor of Geography, Director of the Division of Social Sciences
Jessica K. Graybill, B.S., A., University of Arizona, M.S., Yale University, Ph.D., University of Washington, Seattle, Associate Professor of Geography and Russian & Eurasian Studies, Director of the Russian & Eurasian Studies Program
Maureen Hays-Mitchell, B.A., Middlebury College, M.A., Columbia University, Ph.D, Syracuse University, Professor of Geography
Peter J. Klepeis, B.A., Colgate University, M.A., Ph.D., Clark University, Professor of Geography, Chair of the Department of Geography
Ellen Percy Kraly, B.A., Bucknell University, M.S., Johns Hopkins University, Ph.D., Fordham University, William R. Kenan Jr. Professor of Geography and Environmental Studies
Michael M. Loranty, B.S., West Virginia Wesleyan College, Ph.D., SUNY Buffalo, Assistant Professor of Geography
William H. Meyer, B.A., Williams College, Ph.D., Clark University, Associate Professor of Geography
Daniel B. Monk, B.A., M.A., Columbia University, Ph.D., Princeton University, George R. and Myra T. Cooley Professor of Peace and Conflict Studies and Professor of Geography
Peter R. Scull, B.A., University of New Hampshire, M.A., Michigan State University, Ph.D., San Diego State University, Professor of Geography
Daisaka Yamamoto, B.A., University of Colorado, Boulder, M.A., Simon Fraser University, Ph.D., University of Minnesota, Associate Professor of Geography and Asian Studies, Director of the Asian Studies Program

HOFSTRA UNIVERSITY

DEPARTMENT OF GLOBAL STUDIES AND GEOGRAPHY

DATE FOUNDED: 1935 (Geography), 2008 (Global Studies)

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

GRANTED 9/1/16-8/31/17: 32 Bachelors

MAJORS: 112

DEPARTMENT ADMINISTRATIVE ASST: Jackie Geis

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: gsgog@ Hofstra.edu, Web: http://www.hofstra.edu/geography

PROGRAMS AND RESEARCH FACILITIES: The department is situated within the Peter S. Kalikow School of Government, Public Policy and International Affairs which is part of Hofstra's College of Liberal Arts and Sciences. The department's thematic strengths are GIS/maps, cultural, economic, urban, transportation, and critical geographies.

The department offers three undergraduate major programs: Geography, Geographic Information Systems, and Global Studies. Geography majors pursuing the BA need to declare a specialty in general geography or in GIS. We also offer a BS in GIS, which is primarily intended for students who would like to combine GIS with a second major or minor in the natural or applied sciences. The BS major requires advanced courses in GIS, applied methods, statistics, and natural science, and may include remote sensing, cartographic design, and computer science. Students can also pursue a minor in Geography, Geography with a specialization in GIS, a joint minor in Computer Science and GIS or a minor in Global Studies. The department offers a wide selection of geography courses, balancing offerings in thematic and regional geography. Many BA students in the department choose to double major in Geography and Global Studies.

The department encourages internships and participation in study abroad programs. We offer a 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 Memorial Scholarship, of approximately $7,000, to a declared major in their junior or senior year. Selection considers both academic merit and financial need. This scholarship is in addition to 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 on our department webpage: http://www.hofstra.edu/geography

We provide extensive Geographic Information Systems facilities, and ESRI ArcGIS, QGIS, ENVI, Mapbox, and Adobe graphic design software is available for use by students and faculty on the Hofstra network and in our Department computer lab. The University Computing Center provides computing services to all students and faculty and the entire campus is Wi-Fi 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 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. We offer a BA in Geography, BA in Geography with a specialization in GIS, BS, GIS, and a BA in Global Studies. A B.A. in Geography entails a minimum of 30 semester hours in geography courses or related 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). We allow up to 9 s.h. of selected global studies, geology, sustainability and urban ecology courses to count toward the 30 s.h. required for the major in geography. The BS major requires 30 s.h. of courses, including 12 s.h. of required GIS classes, 6 s.h. of applications or methodology classes, 6 s.h. of selected courses in math or statistics, 3 s.h. of selected courses in natural science credits and a minimum of 3 s.h. of electives in computer science, geography, geology, information technology or engineering. A minor in Geography consists of the successful completion of 18 semester hours of geography classes.

The B.A. in Global Studies requires a minimum of 33 semester hours in Global Studies. The detailed requirements and courses are listed on our website. All 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, mid sized, private, coed institution – to enroll a freshman and transfer class of students from diverse backgrounds and locations, with varied interests and talents. The average financial aid package for incoming freshmen is $31,032. Approximately 95.0% of incoming students receive some form of financial assistance, the majority of which is in the form of scholarships and grants. Admissions requirements, the university catalog, financial aid and program information can be obtained by calling (516) 463-6600 or visiting www.hofstra.edu.

FULL-TIME GLOBAL STUDIES AND GEOGRAPHY FACULTY:

Craig Dalton, Ph.D. University of North Carolina, Chapel Hill, 2012, Assistant Professor — GIS, critical data studies, maps and social movements, cultural geography
Zilka Janer, Ph.D., Duke, 1998, Professor — Global Studies Program culture, food culture, Latin America
Kari B. Jensen, Ph.D., Pennsylvania State University, 2007, Associate Professor — South Asia, cultural geography, geopolities of children and youth, child labor
Linda Longmire, Ph.D., CUNY, 1988, Professor — Global Studies Program — human rights, human trafficking, Europe
Jean-Paul Rodrigue, Ph.D., University of Montreal, 1994, Professor — logistics and transport geography, GIS, East and Southeast Asia
Grant Saff, Ph.D., Rutgers University, 1996, Professor — Urban geography, economic geography, urban planning, geographic education, globalization, Southern Africa
PART-TIME GEOGRAPHY FACULTY:
Hewen Girma, MA, Fordham, 2006, Adjunct Instructor — Africa, economic development, medical geography
Nisha Korattywaroopan, Ph.D, Rutgers University, 2010, Adjunct Assistant Professor — transport geography, urban geography, South Asia
Veronica Lippencott, Ph.D, Univ Illinois Urbana-Champaign, 2003, Adjunct Associate Professor — Africa, health, economic geography
Ying Qin and Y. Birmingham (UK), 2004, Adjunct Assistant Professor — Asia, economic geography, environment
Valarie Rizzuto, MA, Hunter College, 2013, Adjunct Instructor — Remote Sensing, regional geography
Timothy Smith, EDD., Rutgers University, 1968, Adjunct Professor — Europe
James Wiley, Ph.D., Rutgers University, 1991, Adjunct Professor — Economic geography, Latin America and the Caribbean

LEHMAN COLLEGE, CITY UNIVERSITY OF NEW YORK (CUNY)

DEPARTMENT OF EARTH, ENVIRONMENTAL, AND GEOSPATIAL SCIENCES (EEGS)
DATE FOUNDED: 1931 (originally called the Department of Geology and Geography at Lehman College, which was then “Hunter College in the Bronx”)

DEGREES OFFERED: B.A. Geography; B.A. Earth Science; B.S. Environmental Science; M.S. Geographic Information Science (MS-GISc); Bachelor’s/Master’s Accelerated Degree Program in GISc.

CERTIFICATES OFFERED: Certificate in GISc (undergrad); Advanced Certificate in GISc (graduate level); Certificate in Earth Science (for educators).

DEGREES GRANTED 9/1/15 – 8/31/16: 3 B.A.; 7 B.S.; 6 MS-GISc; 2 Certificates

STUDENTS IN RESIDENCE: 58 undergraduate majors; 40 graduate students; 6 Certificate students.

CHAIR: Yuri Gorokhovich (Chair); Juliana Maantay (Vice Chair, and Program Director for Geography/GISc Programs and Graduate Studies)

PROGRAM ADMINISTRATIVE ASSISTANT: Ms. Gail Markbreit

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Earth, Environmental, and Geospatial Sciences, Lehman College, CUNY, 250 Bedford Park Blvd. West, Bronx, NY 10468; Tel: 718 960-8660; Fax: 718 960-8584; E-mail: Juliana.maantay@lehman.cuny.edu
Website: http://www.lehman.edu/academics/geog/

PROGRAMS AND RESEARCH FACILITIES: The Earth, Environmental, and Geospatial Sciences (EEGS) Department offers three majors, three certificate programs, and one master’s degree program, as well as several minors. There is also the opportunity for students to enroll in an Accelerated Bachelor’s/Master’s degree. EEGs faculty have expertise and research interests in a wide variety of disciplines, including urban environmental geography; medical geography; demography; population health; geospatial analysis; natural hazards and risk assessment; water resources; Geographic Information Science (GISc); remote sensing; climate change; sustainability science; ecology; and conservation, and there are numerous opportunities within and outside the department for students to work in these areas. We have a vibrant internship program for both undergraduates and graduate students, and our location in New York City affords many opportunities for internships as well as full-time positions upon graduation. The Lehman GISc Program is a partner in the CUNY CREST Institute and a founding member of NOAA-CREST (National Oceanic and Atmospheric Administration’s Cooperative Administrative Research and Training) CREST faculty and students at Lehman are involved in research projects pertaining to the NOAA sciences, and are active in publishing and presenting their work.

B.A. - Major in Geography, with a concentration in GISc (28 credits). The requirements for the Geography major are designed to maximize flexibility based on the student’s interests. There are only four required courses (GEH 101 Introduction to Geography; GEP 204, Basic Mapping Science; GEP 470 or GEH 490 Internship in Geography or Honors in Geography; and one regional geography course). The remaining 15 credits are to be taken in Geography electives, to be selected in consultation with the Geography advisor, according to the student’s career goals. Students can also major in Geography to achieve New York State Certification to teach Social Studies, grades K-12.

B.S. – Interdisciplinary Major in Environmental Science (46 credits). The core of the interdisciplinary undergraduate program in Environmental Science is a sequence of basic and advanced science courses from four participating science departments. Students select a specialization area in Ecology, Urban Environmental Management, Environmental Geology, or Environmental Analysis. The Environmental Science Program offers courses to prepare students (1) for environmental science careers, and to become active proponents for their communities in the scientific and policy processes surrounding environmental issues; (2) to meet the environmental science employment demands of local, state, and federal governmental agencies, private consulting, and industry; and (3) to pursue advanced degrees in environmental/physical sciences. The Environmental Science major includes concentrations in Geospatial Analysis and Environmental Modeling.

B.A. - Major in Earth Science (30-credits). This program is recommended for teacher education students, and consists of 26 credits in required courses, plus one four credit Earth Science elective.

M.S. - Geographic Information Science (MS-GISc) (40 credits). The MS-GISc at Lehman College is the first program of its kind within the CUNY system and in the New York City region. The program has two tracks: the Professional Experience and Applied Research (PEAR) option, which seeks to prepare students for careers in GISc and the spatial sciences; and the Traditional Master’s Degree option, which is appropriate for students intending to continue on to doctoral studies or assume positions in research institutes. Students may concentrate in one of three areas: Environmental and Health Spatial Sciences; Geospatial Technology; or Urban Sustainability. All concentrations have a strong commitment to community and civic service, emphasizing full engagement with solving real-world problems, while promoting ethical uses of GISc technologies. Our objective is to create a learning environment that is socially conscious, environmentally aware, and focused on equity, while also developing and using the best, most innovative technical and methodological approaches. The curriculum of the MS-GISc program requires 40 credits of coursework, comprised of three key elements: 4 core courses (14 credits); 5-6 electives (18 credits); and an 8-credit capstone research experience, with options for either a traditional Master’s Thesis, or a combination of an applied research project and professional experience through an internship, (PEAR option, which
satisfies the requirements for a Professional Science Masters – PSM - degree. Most classes are offered in the evenings or online to accommodate graduate students who have daytime commitments, and over 20 different GISc courses are offered on a regular basis. Please see [http://www.lehman.cuny.edu/academics/eggs/MS_GISc.php](http://www.lehman.cuny.edu/academics/eggs/MS_GISc.php) for further information on the MS-GISc degree. The MS-GISc Program has an External Advisory Board with representation of GISc professionals from the GISc industry, private sector consulting firms, not-for-profit organizations, academic research institutes, and local, state, and federal governmental agencies. The Board provides insights and guidance to the curriculum, the internship experience, career opportunities, and research directions.

**Professional Science Master's Program.** The MS-GISc Program at Lehman has been recognized as a Professional Science Master’s (PSM) by the National PSM Association (NPSMA). The NPSMA describes PSM programs as follows: “The Professional Science Master’s (PSM) is an innovative, new graduate degree designed to allow students to pursue advanced training in science or mathematics, while simultaneously developing workplace skills highly valued by employers,” (from [http://www.scientencemasters.com/](http://www.scientencemasters.com/)). Completion of the PEAR Option of the MS-GISc fulfills the requirements for the PSM, and students are awarded the PSM Certificate from the NPSMA upon completion of their MS-GISc degree.

**Bachelor’s/Master’s Accelerated Degree Program:** Students pursuing the B.S. in Environmental Science or a B.A. in Earth Science or Geography, who have completed at least one GISc course at the undergraduate level and received a B+ or better, with an overall GPA of 3.0, may be able to satisfy up to 12 open elective credits of their B.S./B.A. degree taking graduate-level coursework in the MS-GISc program. Students who choose to continue on in the Master’s degree program upon graduation will be able to transfer the 12 credits of graduate coursework taken while an undergraduate into the MS program. This allows the student to potentially complete both the Bachelor’s and the Master’s degrees within five years of full-time study. By completing the Bachelor’s 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 for the Master’s.

**Certificate in Geographic Information Science (17 credits).** The certificate is available at the undergraduate level, and consists of a 17-credit sequence of courses. The courses are credit-bearing, and students must be admitted to Lehman College as matriculated in either a degree program or in the GISc Certificate program in order to be awarded the Certificate. Courses are usually offered in the evenings, and some electives are offered on-line. Required courses for the undergraduate GISc Certificate are GEP 204, GEP 205, GEP 350, GEH 490, and one 3 or 4 credit GISc elective

**Advanced Certificate in GISc (17-20 credits).** The Advanced Certificate is available at the graduate level, and consists of a minimum of 17 credits. The courses are credit-bearing, and students must be admitted to Lehman College as matriculated in either a graduate degree program or in the GISc Certificate program in order to be awarded the Advanced Certificate. Required courses for the Advanced GISc Certificate are GEP 605, GEP 690, and three GISc elective courses (3-4 credits each). If students have no prior GISc coursework or experience, it is recommended to begin with GEP 505 (which is a pre-requisite for GEP 605).

**Certificate in Earth Science** (30 credits) is structured to provide a strong foundation in Earth Science content. The program is intended for certified teachers of other science areas who plan to obtain a second certification in Earth Science as well as holders B.A. or B.S. degrees who seek a foundation in Earth Science before applying to a Masters of Education program.

**The GISc laboratory facilities** at Lehman College include a state-of-the-art teaching lab with 25 workstations, a 20-station mobile GISc lab for ancillary classroom use, and a separate research lab (the Urban GISc Lab), along with a full-time College Laboratory Technician to aid in maintenance of the facilities and to provide technical assistance to faculty and students. All computers are equipped with a wide variety of GISc, remote sensing, modeling, geostatistical, cartographic, and graphic design software, and the GISc Lab server maintains an extensive and up to date collection of data bases. Printing capability includes color laser printers as well as a large-format plotter and scanner. There are also fully-equipped Earth Science and Environmental Science laboratories.

**Ph.D. Program:** The department participates in the Earth and Environmental Sciences Ph.D. program at the CUNY Graduate Center, offering specializations in Geography and Environmental and Earth Sciences. For more information about the MS-GISc Program in EES, contact Dr. Jim Biles, EES Executive Officer, at (212) 817-8241 or email: jibiles@gc.cuny.edu

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:** Admission to the undergraduate major programs in the EEGS Dept, is the same as that for admission to the City University of New York. Application info is available at [http://www2.cuny.edu/admissions/undergraduate/apply/](http://www2.cuny.edu/admissions/undergraduate/apply/)

Undergraduate majors are eligible to earn credit through internal and external internship programs. Exceptional undergraduate students are encouraged to apply for the Accelerated Bachelor’s/Master’s program which allows both degrees to be earned in a total of five years of full-time study. Information about financial aid programs is available at [http://www.lehman.cuny.edu/financial-aid/](http://www.lehman.cuny.edu/financial-aid/)

Applications to the MS-GISc Program and Advanced Certificate in GISc are accepted through the “Apply Yourself” online process, which can be accessed at [https://app.applyyourself.com/?id=lehmangrad](https://app.applyyourself.com/?id=lehmangrad). In order to be admitted to the GISc graduate programs, applicants are required to have earned a Bachelor’s degree with minimum 3.0 GPA, and provide official transcripts of all post-secondary school coursework, at least 2 letters of recommendation, a CV, and a short essay describing their interest in GISc and the MS-GISc Program at Lehman. GREs are not required. The deadline for Fall term admissions is April 15th of the prior Spring term. The deadline for Spring term admissions is October 1st of the prior Fall term. Questions about the admissions process should be directed towards the Graduate Admissions Office, at 718 960-8777 or email: graduate.admissions@lehman.cuny.edu.

**FACULTY:** The EEGS faculty (listed below) consists of full-time professors, most of whom, in addition to having advanced degrees in the field and academic experience in teaching, have also held positions in various governmental agencies, not-for-profit organizations, and private sector consulting firms, outside of academia. The GISc program faculty also includes several affiliated professors from allied CUNY programs, and long-term adjunct instructors who are drawn from the professional world of GISc practice, lending an additional “real-world” experiential aspect to the program.

**Stefan Becker, Professor; Dr. rer. Nat., Justus-Liebig — University Giessen.** Climatology, severe weather, environmental pollution, environmental modeling

**Yuri Gorokhovich, Associate Professor; Ph.D., CUNY Graduate Center — Geology, natural hazards and disasters, spatial modeling with GIS, geochronology**

**Irene Leung, Professor; Ph.D., University of California at Berkeley — Mineralogy, petrology, diamonds, meteorites & planetary science**
Juliana Maantay, Professor; Ph.D., Rutgers University — Urban environmental analysis, medical geography, Geographic Information Science, environmental justice, sustainable community-based development, participatory geographic information systems, exposure and vulnerability assessment

Elia Machado, Assistant Professor; Ph.D., Clark University — GIS and spatial analysis, global environmental change and vulnerability assessment, remote sensing

Hari Pant, Assistant Professor; Ph.D., Dalhousie University — Biogeographical cycles, sediment/water quality, ecological indicators, global change

Gautam Sen, Professor; Ph.D., University of Texas at Dallas — Petrology, earth materials

Heather Sloan, Associate Professor; Ph.D., University of Paris — Marine geophysics, seafloor morphology, plate kinematics, Earth Science Education

AFFILIATED FACULTY AND LONG-TERM ADJUNCTS:
Jennifer Brisbane, Adjunct Assistant Professor; Ph.D., CUNY Graduate Center — Historical GIS, environmental justice, spatial analysis, programming for GIS, mobile GIS application development

Gretchen Culp, Adjunct Assistant Professor; Ph.D., CUNY Graduate Center — Cartography, color vision confusion, visualization of public health data, and urban geography

Glen Johnson, Associate Professor, CUNY School of Public Health; Ph.D., Penn State University — Geo-spatial aspects of health, environmental and community-level social determinants of health outcomes, quantitative methods

Andrew Maroko, Associate Professor, CUNY School of Public Health; 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

Holly Porter-Morgan, Adjunct Associate Professor; Ph.D., CUNY Graduate Center — Biogeography, ecology, spatial analysis, conservation, GIS, biogeographic and computational models

EMERITUS FACULTY:
William Bosworth, Ph.D., Princeton University — Demographic analysis, urban social issues
Frederick Shaw, Ph.D., Harvard University — Oceanography, marine paleoentology, stratigraphy

SUNY BUFFALO STATE

DEPARTMENT OF GEOGRAPHY AND PLANNING

DATE FOUNDED: 1965

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

GRANTED 8/31/14-8/31/15: 51 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 and Regional Planning. The Geography B.A. has four concentrations: Meteorology and Climatology; Environmental Geography; Economic Geography and Development; and GIS. The Urban and Regional 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. 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
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. 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. Vernette, Ph.D., McMaster, 1988. Professor — meteorology, climatology, air quality, field methods
Vernon G. Vernette, 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
STATE UNIVERSITY OF NEW YORK - COLLEGE AT GENESEO

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1965
DEGREES OFFERED: B.A.
GRANTED 9/1/16-8/31/17: 36 Bachelors
MAJORS: 102
CHAIR: Jennifer Rogalsky

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: rogalksy@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 Keman, 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 — cultural, historical, environmental, Canada Jennifer Rogalsky, Ph.D., U of Tennessee, Knoxville, 2006, Associate Professor and chair — urban, developing world, Ghana, poverty Stephen Tulowiecki, Ph.D., U. at Buffalo, 2015, Assistant Professor — GIS, physical, environmental

I. Ren Vasiliev, Ph.D., Syracuse, 1996, Professor — cartography, cultural, United States, statistics

SYRACUSE UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1931
GRADUATE PROGRAM FOUNDED: 1926
DEGREES OFFERED: B.A., M.A., Ph.D.
GRANTED 9/1/15 - 8/31/16: 21 Bachelors, 1 Masters, 3 Ph.D.

STUDENTS IN RESIDENCE: 64 Majors, 11 Masters, 15 Ph.D.

NOT IN RESIDENCE: 2 Masters, 8 Ph.D.

CHAIR: Jamie Winders

DEPARTMENT ADMINISTRATIVE ASST: Margie M. Johnson

FOR 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, 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 Central and South America; Europe; Southeast, Central, 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:

Community Geography: Syracuse geographers in this area seek to make geography relevant and accessible through scholarship and teaching that addresses social inequalities. Research by faculty is action-oriented and engages local communities in the research process. Topics examined include urban inequality, food deserts, and participatory GIS and community planning. Research in this area integrates many different theoretical and conceptual traditions in geography, urban planning, and public health and incorporates participatory, critical, and qualitative GIS, radical cartography, and feminist geography.

Environment and Society: Nature-society scholarship at Syracuse examines the relationship between society and the environment, employing perspectives from the social sciences, humanities, natural sciences. Some of the sub-fields our faculty engage with include political ecology, water resources, environmental justice, environmental history, environmental governance, animal
Laboratory

Syracuse geographers understand political economy:
grassroots action along the Erie Canal corridor.
movement; environmental activism; and citizen engagement through
histories of the lake’s transformation; social media, the climate
Native American understandings of Onondaga Lake and spatial
methodology, and community engagement to understand how people
employ archival methods, GIS, critical theory, qualitative
Historical Geography and GeoHumanities
research in both our
public participation GIS for community action, the geodesign
conduct research on a range of key societal and environmental issues,
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 the visualization of historical land change,
public participation GIS for community action, the geodesign framework for architectural design and urban planning, and the history
of cartographic innovation. Graduate students train and conduct
research in both our Geographic Information and Analysis
Laboratory and the Integrated Spatial Dynamics Laboratory, funded
by a Major Research Instrumentation grant from NSF.

Historical Geography and GeoHumanities: Geographers in this area
employ archival methods, GIS, critical theory, qualitative
methodology, and community engagement to understand how people
shape and are shaped by place and landscape. Research includes
Native American understandings of Onondaga Lake and spatial
histories of the lake’s transformation; social media, the climate
movement; environmental activism; and citizen engagement through
grassroots action along the Erie Canal corridor.

Political Economy: Syracuse geographers understand political economy to be a social relationship that 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 between political economy and gender;
political economy and labor; political economy and the restructuring of places and regions; and 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.

Political Geography, Citizenship, and Development: At Syracuse,
geographers research the relationships between flows and networks of
activity, interaction, and power that are producing an increasingly interconnected world. We study the historical and geographical
contexts both within which the lives of people and places are transformed and 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. Research in this area
includes geopolitics and the state system; transnational market policies
and governance; nationalism, gender, and citizenship; immigration
and social belonging; the impact of colonialism and international
development policies; and labor markets and industrial development.

Urban Space, Justice, and Culture: 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 spatial strategies of immigrant
inclusion and exclusion, our faculty draw on a variety of
methodological and theoretical perspectives, particularly social theory,
to interrogate the production of urban spaces and experiences.

Within the Maxwell School, the department has links with numerous interdisciplinary programs and centers, serving as home to
the Institute 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; and the
South Asia Center. A notable opportunity is the concurrent master’s
degree in Geography and the nationally top-ranked Public Program program that provides dual-degree training for a public sector career. (58 credit hours are
required; information upon request.) Study in our physical geography/environment clusters is supported by courses and research
opportunities in Syracuse University’s Departments of Civil and
Environmental Engineering, Biology, and Earth Sciences and 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.
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, and the Integrated Spatial
Dynamics Laboratory, The Eggers complex is fully networked for
wireless computing and communication and 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
graphy, 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. Jane Read, Undergraduate Director
(jread@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 the successful completion and oral defense of the doctoral dissertation. Students wishing to enter the Ph.D. program should have a 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 Fellows; 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. Tom Perreault, Graduate Director (taperre@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, Professor — Geographic information systems modeling, human impacts on physical environments, fluvial systems
Timur Hammond, Ph.D., University of California, Los Angeles, 2016, Assistant Professor — Middle East, Turkey, cultural geography, urban geography, religion, identity
Matt Haber, Ph.D., Clark University, 2008, Associate Professor — resource geography, historical geography, political economy, energy, industrial ecologies
Natalie Koch, Ph.D., University of Colorado Boulder, 2012, Associate 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 — physical geography, periglacial geomorphology, microclimatology, Arctic environmental science
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 and Graduate Director — political ecology, environment and development, social movements, Latin America
Jane M. Read, Ph.D., Louisiana State, 1999, Associate Professor and Director of Undergraduate Studies — 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 — Environmental historical geography, western U.S. and Canada, environmental policy
Jamie Wonders, Ph.D., University of Kentucky, 2004, Professor and Chair — race/ethnicity, urban/social geography, immigration, gender, qualitative and historical research methods, social theory

AFFILIATED FACULTY:
Anne Bellows, Ph.D., Geography, Rutgers University, 1999, Professor, Food Studies, Syracuse University — sustainable agriculture, development, food security.
Laura-Anne Minkoff-Zern, Ph.D., Geography, University of California, Berkeley, 2012, Assistant Professor, Food Studies, Syracuse University — Race, labor, and immigration in the food system, agricultural politics and policy, sustainability studies, feminist methodologies
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
Beverley 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
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
Weissman, Evan, Ph.D., Geography, Syracuse University, 2012, Assistant Professor, Food Studies, Syracuse University — Alternative Food Networks; Urban Agriculture; Political Economy of Agro-Food; Urban Political Ecology

EMERITI FACULTY:
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, Emeritus Professor — comparative urbanization, urban housing, Canada
Don Mitchell, Ph.D., Rutgers, 1992, Distinguished Professor Emeritus of Geography — cultural, historical, labor, social theory, Marxist approaches to geography.
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 08/01-16/08-31/17: 28 Bachelors of Geography

MAJORS: 97 Geographers; 74 Geospatial Information Science; 280 total

CHAIR: Colonel Wiley C. Thompson, Ph.D.

DEPARTMENT ADMINISTRATIVE OFFICER: Ms. Mary Ellen DeLuca Kreder

TO: COL 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/geography/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 six major areas: human geography, human–environment interaction, physical 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 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 and has two faculty members in the Center for the Study of Languages, Culture, and Regional Studies.

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:
Joshua Borrell, M.S., University of Montana, 2000, Instructor (Geography) — geology, physical geography
John A. Brockhaus, Ph.D., Idaho, 1986, Professor — GIS, forestry, photogrammetry, remote sensing
Michael A. Bukus, Ph.D., Connecticut, 1997, Professor — environmental engineering
Nicholas Cosmas, M.A., University of Hawaii, Manoa, 2012, Assistant Professor (Geography) — political geography, Asia
Philip J. Dacunto, Ph.D., Stanford University, 2013, Associate Professor & Academy Professor — environmental engineering
Run Du, M.S.E., Johns Hopkins, 2014, Instructor — environmental engineering
Elizabeth Dwonczuk, M.S., Pennsylvania State University, 2016, Instructor — medical geography, physical geography
John Dwonczuk, M.S., Pennsylvania State University, 2016, Instructor — economic geography, energy, physical geography
Ian Irwin, Ph.D., University California, Santa Barbara, 2016, Assistant Professor, Geographic Information Science — GIS, physical geography
Adam J. Kalkstein, Ph.D., Arizona State University, 2008, Associate Professor (Geography) — climatology, physical geography
Mindy Kimball, Ph.D., Arizona State, 2014, Assistant Professor & Academy Professor — environmental science
Darren Kerr, M.S., Oregon State, 2015, Instructor — photogrammetry, physical geography
Richard L. Knox, M.A., Texas, 2013, Assistant Professor (Geography) — geology, physical geography
Lauren A. Koban, M.S., University of North Carolina, 2014, Instructor — environmental science
David J. Leydet, M.S., Oregon State University, 2016, Instructor — geomorphology, physical geography
Andrew D. Lohman, Ph.D., Illinois, 2009, Associate Professor (Geography), Academy Professor, & Geography Program Director — human geography, political geography, military geography
Jon C. Malinowski, Ph.D., North Carolina-Chapel Hill, 1995, Professor (Geography) — cultural geography, environmental perception, geography of childhood, spatial behavior, Asia
Errick V. Martinez, M.E. University of Florida, 2016, Instructor — environmental engineering
Dave McCarthy, M.S., Akron, 1996, Instructor (Geography) — physical geography
John M. Melkon, II, MPIA, Texas A&M, 2012, Instructor
Christopher Nixon, M.S., Naval Postgraduate School, 2012, Instructor (Geography) — meteorology, physical geography
Lute T. Plante, M.S., Columbia University, 2016, Instructor — environmental engineering
Gabe Powell, M.S., University of Mississippi, 2016, Instructor, Geospatial Information Science — geology, physical geography
Charles Ouellette, M.S., Cornell University, 2016, Instructor — environmental engineering
Christopher E. Oxendine, Ph.D., George Mason, 2013, Assistant Professor — GIS
Joel Radunzel, M.S., Syracuse, 2015, Assistant Professor (Geography) — historical geography, cartography
Mark Read, Ph.D., Penn State, 2014, Deputy Department Head & Assistant Professor (Geography) — environmental geography, physical geography, military geography
Amy Richmond, Ph.D., Boston University, 2005, Associate Professor (Geography) — physical geography, environmental geography, energy, environmental economics
Richard F. Rogers III, M.S., Stanford University, 2014, Instructor — environmental engineering
James A. Sturm, M.S., Missouri University of Science & Technology, 2004, Instructor (Geography) — physical geography
Mark A. Smith, Ph.D., Wisconsin - Madison, 2002, Assistant Professor & Academy Professor — environmental engineering, environmental science
Jeffrey A. Starke, Ph.D., Wisconsin-Madison, 2011, Associate Professor & Academy Professor — environmental engineering
Wiley C. Thompson, Ph.D., Oregon State, 2008, Department Head & Associate Professor (Geography) — environmental geography, hazards, physical geography, military geography
Jared Ware, M.S., Cranfield University, 2002, Instructor — GIS, remote sensing
Wallen, Benjamin, PE, PMP, Ph.D., Colorado School of Mines, 2016, Assistant Professor — environmental engineering
Richard L. Wolfel, Ph.D., Indiana, 2001, Associate Professor (Geography) — cultural geography, Europe, Russia, political geography, social geography, quantitative methods
David C. Zgonc, M.S., Carnegie Melon University, 2014, Instructor — environmental engineering

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 9/1/15-8/31/16: 8 Bachelors, 26 Masters

STUDENTS IN RESIDENCE: 132 Majors, 61 Masters

CHAIR: Catherine T. Lawson

ADMINISTRATIVE MANAGER: Marcia Catrambone

DEPARTMENT SECRETARY: Rebecca Griffin

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: 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. In addition, the Department coordinates the University’s Interdisciplinary Major in 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 Geochimistry 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:
Carlos Balsas, Ph.D., University of Massachusetts-Assistant Professor
— Community Development and Neighborhood Planning, Sustainable Transportation Planning, Urban Revitalization, International Planning
Alexander Bayantuev, Ph.D., Arizona State University, Assistant Professor — Remote Sensing; Landscape Ecology; Urban Ecology, Land Use and Cover Change, Phenology, Sustainability Planning
Roy Bromley, Ph.D., Cambridge University, 1975, AICP, Professor — planning history, metropolitan and regional planning, community development, informal sector, microenterprise, Latin America
Melissa Currie, Ph.D. University of North Carolina, Associate Professor — Community Planning and Social Justice, Urban open space and the impacts of the built environment on health.

Youqin Huang, Ph.D., University of California, Los Angeles, 2001, Associate Professor — population, gender, housing and labor markets, urban, GIS, China

Shiguo Jiang, Ph.D., The Ohio State University; Assistant Professor — Geographical Information Science and Systems, Remote Sensing Methods and Applications, Spatial Statistics and Environmental Statistics, Land Use and Land Cover Change, Ecological Modeling

Andrei Lapenas, Ph.D., State Hydrological Institute, St. Petersburg, 1986, Associate Professor — physical 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, Associate Professor — regional planning theories and techniques, brownfields redevelopment, urban and regional economic development

Rui Li, Ph.D., Pennsylvania State University-Assistant Professor — Geographical Information Science, Spatial Cognition, Wayfinding and Navigation, and Spatial Learning

James E. Mower, Ph.D., State University of New York at Buffalo, 1988, Associate Professor — GIS, cartography, automated cartography

Thomas P. Narins, Ph.D., University of California, Los Angeles, 2014, Assistant Professor — Chinese-Latin American relations, political geography, political economy, economic geography

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

ADJUNCT FACULTY:
Alison Bates, MRP UAlbany, SUNY
Elisabeth Egetemeyr, Ph.D. UAlbany SUNY, 2007 — Human Geography

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

Jacqueline Ledermann, MA Diplomacy and International Relations, Seton Hall University

Sean Magee, MPA, AICP, UAlbany SUNY 2014 — Economic Development Planner and Project Manager

Neusa McWilliams, Ph.D., UC Berkeley 1996 --- Urban Geography

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

Roy Anurupa, Ph.D, Ohio State, 2014 — Economic Geography, Urban Geography, Development, Globalization, South Asia

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 (UB), THE STATE UNIVERSITY OF NEW YORK

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1962
GRADUATE PROGRAM FOUNDED: 1963
DEGREES OFFERED: BA, BA/MA, MA, MS, and PhD in Geography; BS and MS in Geographic Information Science; BA and MA in International Trade

GRANTED 9/1/15-8/31/16: Geography: 15 Bachelors, 2 MA, 3 MS, 7 PhD; Geographic Information Science: 0 Bachelors, 13 MS; and International Trade: 58 Bachelors, 5 MA

STUDENTS: 151 Majors, 61 Masters, 49 PhD

CHAIR: Sean J. Bennett

DEPARTMENT ADMINISTRATOR: Diane Holfeltner

FOR FURTHER INFORMATION: Please visit our website: www.geography.buffalo.edu

Graduate applicants: Please apply online. The online application should be 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, and 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 areas of concentration supported by the department are in General Geography, Geographic Information Science, Earth Systems Science, Urban and Regional Analysis, and International Business and World Trade.

General Geography (BA, MA, MS, and PhD degrees) is concerned with the location and arrangement in space of human and natural phenomena, and with the interrelationships between people and their environments.

Geographic Information Science (BS and MS degrees, PhD concentration) provides students with cutting-edge knowledge, skills, and abilities in using geospatial sciences, and this includes geographic information systems (GIS), remote sensing, locational analysis, and geographic visualization. This curriculum focuses on the theoretical
foundations of geographical information science, the development and use of state-of-the-art software and emerging technology, and the collection, processing, and interpretation of geospatial information.

**Earth Systems Science** (BA, MA, MS, and PhD concentrations) examines current environmental problems through quantitative methods, analysis, and modeling grounded in basic and applied science and research. This curriculum introduces students to the fundamental processes that dominate the atmosphere, hydrosphere, lithosphere, and biosphere, their characteristics and complex interactions, and their impact on human life and society.

**Urban and Regional Analysis** (BA, MA, MS, and PhD concentrations) prepares students to identify and address a wide variety of economic and social problems related to population changes and migration, land use, urban environment, housing, work and welfare, health, and transportation within a geographical context. This curriculum focuses on the theoretical foundations of geographical analysis and urban environments, the use and interpretation of statistics, and the collection, processing, and interpretation of geospatial information.

**International Trade** degrees (BA, MA, and combined BA/MA, PhD concentration) offer students the opportunity to learn about trade from theoretical and practical perspectives. Students use the tools of economic and business geography to understand the dynamics of multinational corporations, global financial markets, and technology and innovation change, and they learn to evaluate how these global-scale changes create opportunities and constraints for regional development in the United States and abroad. Students focus on the critical social, economic, and environmental challenges faced by workers, corporate decision-makers, government policy makers, and non-governmental organizations, which ultimately shape social outcomes and patterns of uneven development.

**GRADUATE DEGREE PROGRAMS:**

The Department of Geography offers graduate student training leading to the following degrees: BA/MA, Master of Arts, Professional Master of Arts (portfolio option), Master of Science, Master of Arts in International Trade, Master of Science in Geographic Information Science, and Doctor of Philosophy.

A Master’s Degree may be designed as a terminal degree (including a portfolio option), or it may be used as the basis for more advanced graduate study. Pursuit of the portfolio option in Earth Systems Science or Geographic Information Science could enable a student to complete an MA program in as little as one year.

In cooperation with the School of Management, the department offers a joint MA-MBA degree in International Business and World Trade. The department also 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. The Master of Science degree is intended for students specializing in applications of analytical techniques to the field of geography and geospatial sciences.

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. Ph.D. programs are designed on an individual basis.

**ADMISSIONS & FINANCIAL AID:** The University at Buffalo (UB), The State University of New York, is a member of the prestigious Association of American Universities, and it is the largest, most comprehensive, public undergraduate and graduate university in New York, enrolling nearly 30,000 students. UB operates on a semester system.

**Undergraduate Admissions:** For application information, please visit: [http://admissions.buffalo.edu/apply/index.php](http://admissions.buffalo.edu/apply/index.php) or write to the Office of Admissions, 12 Capen Hall, University at Buffalo, Buffalo, NY 14260-1660 or email: [ub-admissions@buffalo.edu](mailto:ub-admissions@buffalo.edu), Telephone (888) UB-ADMIT or (716) 645-6900.

**Undergraduate Financial Aid:** For information, please see [http://admissions.buffalo.edu/costs/index.php](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](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:** For information, please see website for required materials and deadlines: [http://www.buffalo.edu/cas/geography/graduate-program.html](http://www.buffalo.edu/cas/geography/graduate-program.html)

**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 visit the above website.

**RESEARCH FACILITIES & FACULTY:**

The Department of Geography maintains the Geographic Information and Analysis Laboratory, a multipurpose computing facility. The collection, processing, and presentation of digital information is essential to the study of geospatial sciences. Additional teaching and research laboratories provide opportunities for active learning environments and specialized equipment and facilities used in Earth surface processes and environmental science. The department also is home to two research centers. The National Center for Geographic Information and Analysis (NCGIA; [www.ncgia.buffalo.edu](http://www.ncgia.buffalo.edu)) has focused its mission on excellence in GIScience research and to provide geospatial services to UB and local communities. NCGIA has established a research infrastructure on campus that links a large number of departments within a number of schools, and its current research strengths lie in multiple aspects of GIScience: ontology/semantics, remote sensing, systems science, and spatial statistics, along with the domain expertise of the core GIScience faculty in Earth systems, social and behavioral, and health sciences. The Canada-United States Trade Center (CUSTAC; [www.buffalo.edu/cas/geography/custac.html](http://www.buffalo.edu/cas/geography/custac.html)) has a mission to conduct applied and policy-oriented research on the evolving nature of Canada-US commercial relations including trade, capital investment, border management, and regulatory conditions. CUSTAC is uniquely positioned to conduct new research on international trade and investment, and the social, environmental, and economic development impacts associated with trade and investment patterns and policies.

The Department of Geography has a diverse faculty in terms of disciplinary focus, composition, and real-world experience. The department has 19.5 faculty that can be grouped into the following specializations: Earth Systems Science, Geographic Information Science, International Trade, and Urban and Regional Analysis. Faculty members represent the global community (hailing from North America, Europe, and several locations in Asia), and they come to the University at Buffalo after pursuing graduate degrees or post-doctoral or tenure-track positions at major national and international universities, conducting research at federal laboratories, or working in industry. All faculty have active research programs and are often supported with extramural funds from NIH, NSF, government agencies, and industry. Several faculty members have earned the rank of SUNY Distinguished Professor and have been awarded the Chancellor’s Award for Excellence in Scholarship and Creative
Activities and for Teaching, while others have been recognized for their contributions to international education and graduate student mentoring.

FACULTY:
Jared Aldstadt, Ph.D., San Diego State University/UC Santa Barbara, 2007, Associate Professor — medical geography, spatial epidemiology, GIS/Science, spatial analysis
Sharmisha Bagchi-Sen, Ph.D., University of Georgia, 1989, Professor — urban and economic geography, immigration and industry studies, foreign direct investment, biotech and bioenergy
Sean J. Bennett, Ph.D., Binghamton University-SUNY, 1993, Professor and Chair — sediment transport mechanics, gully erosion, reservoir sedimentation, and watershed processes
Ling Bian, Ph.D., North Carolina-Chapel Hill, 1991, Professor — individual behaviour, epidemiological modeling, inter-operative environmental models, geographic image retrieval
Thomas Bittner, Ph.D., Technical University of Vienna, 1999, Associate Professor — formal ontology, qualitative spatio-temporal reasoning, theoretical foundations of GIS
Abigail Cooke, Ph.D., University of California, Los Angeles, 2014, Assistant Professor — international trade, immigration diversity, urban economics
Trina Hamilton, Ph.D., Clark University, 2006, Associate Professor — corporate social and environmental responsibility, global governance, international trade
Geoffrey Jacquez, Ph.D., SUNY Stony Brook, 1989, Professor — medical geography, spatial analysis, exposure assessment
Chris P.S. Larsen, Ph.D., McMaster University, 1994, Associate Professor — climate change, conservation biogeography, forest and landscape ecology, historical ecology, restoration ecology
Nicholas Lustig, Ph.D., University of California, Los Angeles, 2014, Assistant Professor — urban geography
D. Scott Mackay, Ph.D., University of Toronto, 1997, Professor — ecohydrology, land surface hydrology, hydrologic and ecosystem modeling, GIS, remote sensing
Sara S. Metcalf, Ph.D., University of Illinois, Urbana-Champaign, 2007, Associate Professor — dynamic modeling, urban health and sustainability
Jessie Poon, Ph.D., Ohio State University, 1993, Professor — international trade and foreign investment, regional economic development, Asian business
Chris S. Renschler, Ph.D., University of Bonn, 2000, Associate Professor — GIS/Science, environmental modeling, natural resources management
Peter A. Rogerson, Ph.D., State University of New York at Buffalo, 1982, SUNY Distinguished Professor — dynamic migration modeling, demographic forecasting, mathematical modeling
Monica Stephens, Ph.D., University of Arizona, 2012, Assistant Professor — volunteered geographic information, BigData, critical GIS, social media, gender and technology
Le Wang, Ph.D., University of California, Berkeley, 2003, Professor — remote sensing, GIS/Science, forest characterization, environment modeling, land cover and land use change
Marion Werner, Ph.D., University of Minnesota, 2010, Associate Professor — labor, feminist and postcolonial theory, political economy, global production, Latin America and the Caribbean
Adam Wilson, Ph.D., University of Connecticut, 2012, Assistant Professor — ecological impacts of global environmental change, species distributions, ecosystem resilience, climate change
Eun-Hye Enki Yoo, Ph.D., University of California, Santa Barbara, 2006, Associate Professor — GIS/Science, geostatistics, spatial statistics, public health and environmental modeling

EMERITI FACULTY (partial listing):
Althea A. Abrahams, Ph.D., Sydney, 1971, UB Distinguished Professor — fluvial geomorphology
David M. Mark, Ph.D., Simon Fraser, 1977, SUNY Distinguished Professor and Director Emeritus, National Center for Geographic Information and Analysis — geographic information systems, user interfaces, spatial cognition, digital terrain models, computer mapping
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 2017: 16 Bachelors
MAJORS: 37
CHAIR: Mary Ann Cunningham
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://earthsscienceandgeography.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 comparative and sustainable urbanization, urban planning, sustainability and climate impacts, political ecology, human rights, global and area studies, migration and ethnicity, land use planning, agriculture, and economic geography. 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 department also shares the Science Visualization lab (computer lab) and the Earth and Environment laboratory in the new Bridge for Laboratory Sciences building. The Vassar 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 and the Warthin Museum of Geology and Natural History. Fieldwork and internships are available with local planning agencies and non-profit environmental groups. Poughkeepsie’s location on the Metro North rail line allows students and courses to take advantage of resources in New York City, as well as natural and cultural resources in the Hudson Valley.

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 support from a variety of internal and external 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, and agricultural systems, renewable energy
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, global South, North America, Latin America, Brazil, Amazonia
Kirsten Menking, Ph.D., University of California-Santa Cruz, 1995, Associate Professor — Environmental, geomorphology, paleoclimatology
Joseph Nevin, Ph.D., University of California-Los Angeles, 1998, Associate Professor — Political, historical, human rights, political ecology, U.S.-Mexico border, E. Timor
Jill S. Schneiderman, Ph.D., Harvard, 1987, Professor — Environmental, sedimentology, history and philosophy of science, gender
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, sustainable urban 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.S.
GRANTED 9/1/15-8/31/16: 33 Bachelors, 12 Masters
STUDENTS IN RESIDENCE: 41 B.S. Geography, 5 B.A. Geography, 29 Atmospheric Science, 9 GIS, 24 Planning, 15 Masters
CHAIR: Burrell Montz
DEPARTMENT ADMINISTRATIVE ASST: Jolene Evans

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, Planning and Environment, East Carolina University, Brewster A-227, Greenville, NC 27858. Telephone (252) 328-6230. Fax (252) 328-6054. Undergraduate Inquiries: Dr. Tom Rickenbach (rickenbach@ecu.edu). Graduate Inquiries: Dr. Scott Curtis (curtiw@ecu.edu). View website at http://www.ecu.edu/geog/

PROGRAMS AND RESEARCH FACILITIES:
Undergraduate tracks include 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 spatial information technologies, and atmospheric science, 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, geographic information science and technology, applied atmospheric science, 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 MS 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:
Beth A. Bee, Ph.D., Pennsylvania State University, 2011, Assistant Professor — Feminist theory, global change, international development
W.R. Scott Curtis, Ph.D., Wisconsin, 1998, 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
Robert Howard, M.A., East Carolina University, 2015, Research Associate — Web-based GIS
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, metallic and contaminants

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 Associate Professor — Analytical cartography, GIS, Web cartography, municipal applications
Rosana Nieto-Ferreira, Ph.D., Colorado State, 1994, Associate Professor — Tropical climate variability and prediction
E. Jeffrey Pophke, Ph.D., Kentucky, 1999, Professor — social theory, race and space, critical geopolitics, field methods, South Africa
Thomas Rickenbach, Ph.D., Colorado State, 1996, Associate 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

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ADJUNCT FACULTY:

Wei Yang, Ph.D., University of Georgia, 2015, Assistant Professor

Thad Wasilewicz, Ph.D., Arizona State University, 1996, 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

Mulatu Wubneh, Ph.D., Florida State University, 1976, Professor — regional planning, planning techniques, capacity building

Wei Yang, Ph.D., University of Georgia, 2015, Assistant Professor — GIS, spatial statistics

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 (2015-2016): 36 B.A. (majors; plus 53 minors), 1 M.A., 5 Ph.D.

STUDENTS IN RESIDENCE: 89 Majors, 108 Minors, 40 M.A. /Ph.D.

NOT IN RESIDENCE: 4 M.A. /Ph.D.

CHAIR: Michael Emch

DEPARTMENT ADMINISTRATIVE STAFF: Barbara Taylor; Nell Phillips; Daniel Warfield

FOR FURTHER INFORMATION CONTACT: Banu Gökärkısela, Director of Graduate Studies, Department of Geography, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3220. Telephone: (919) 843-5835. Fax: (919) 962-1537. Email: banug@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:

1) 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.

2) 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.

3) 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.

4) 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.

5) 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:
Xiaodong Chen, Ph.D., Michigan State, 2010, Assistant Professor — human-environment interactions, modeling and simulation, China
Altha J. Cravey, Ph.D., Iowa, 1993, Associate Professor — international development, social theory, gender, Latin America
Jason Davis, Ph.D., University of California, Santa Barbara, 2010, Assistant Professor — international migration, child well-being & education, population, environmental change, Latin America, statistical methods
Paul Delamater, Ph.D., Michigan State, 2012, Assistant Professor — medical, spatial analysis, GIScience
Michael Emch, Ph.D., Michigan State 1998, Chair and Professor — medical, GIScience, population-environment, South Asia
Bana P. Gökariksel, 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, Associate Professor — population, environment and development; survey and statistical methods
Elizabeth Havice, Ph.D., University of California, Berkeley 2009, Associate 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, GIScience, 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 — GIScience, remote sensing, biogeography
Elizabeth Olson, Ph.D., Colorado, 2005, Associate Professor — Development and Inequality, Religion, Global Studies, Moral Geographies
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
Diego Riveros-Iregui, Ph.D., Montana State, 2008, Assistant Professor — Ecoclimatology, watered systems, hydrology, human-environment interactions, tropical hydrology, climate and land use change
Sara Smith, Ph.D., Arizona, 2009, Associate Professor — social, South Asia, India
Congye Song, Ph.D., Boston, 2001, Professor — remote sensing, ecosystem modeling, land use/land cover change, GIScience
Gabriela Valdivia, Ph.D., Minnesota, 2005, Associate Professor — political ecology, critical resource geography, environmental governance, Latin America

Stephen J. Walsh, Ph.D., Oregon State, 1977, Lyle V. Jones Distinguished Professor — remote sensing, GIS, physical, land use change, human-environment interaction, spatial modeling
Erika Wise, Ph.D., Arizona, 2009, Associate Professor — Climatology, dendrochronology, water resources

PROFESSORS EMERITI:
Stephen S. Birdsell
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 7/16/16-6/30/17: 41 Bachelors, 10 Masters, 4 Ph.D.
STUDENTS IN RESIDENCE: 300 Undergraduate Majors
56 Masters, 28 Ph.D.
NOT IN RESIDENCE: 33 Undergraduate Majors, 2 Masters, 1 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.geearth.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: William Garcia wgarcia@uncc.edu; Geography Undergraduate Coordinator: Jamie L. Strickland jstrickl@uncc.edu; Meteorology Undergraduate Coordinator: Terry Shirley trshirle@uncc.edu; Earth Sciences MS Coordinator: Scott Hipsensteel shippens@uncc.edu; Geography MA Coordinator: Eric Delmelle Eric.Delmelle@uncc.edu; Geography Ph.D. Director: Heather Smith heathsmt@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. There are four areas of specialization within the M.A. in Geography. These include concentrations in 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 multidisciplinary core, which includes coursework in geography, architecture, economics, and public administration. The Department also offers an M.S. degree in Earth Sciences which offers multiple options for interdisciplinary training and research, particularly for students interested in meteorology and geology.

At the undergraduate level, the Department awards B.S. and B.A. degrees in Geography as well as a B.A. in Environmental Studies 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, urban and regional 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 public policy 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 McEnery building, is home of the Department. 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 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](http://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 at least $14,000 and can include healthcare insurance, and a tuition waiver through the Department. Masters assistantships have a competitive stipend of at least $10,000. 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 [https://gradadmissions.uncc.edu/admissions-info/international-applicants/](https://gradadmissions.uncc.edu/admissions-info/international-applicants/).

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 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 should 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 competitive stipend of at least $10,000. 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 [https://gradadmissions.uncc.edu/admissions-info/international-applicants/](https://gradadmissions.uncc.edu/admissions-info/international-applicants/).

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 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 should 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:**

Craic J. Allan, Ph.D., York University, 1992, Professor and Department Chair — hydrology, biogeochemistry

Jake Armour, M.S., University of New Mexico, 2002, Senior Lecturer — paleoclimatology, soils

Andy R. Bobyarchick, Ph.D., SUNY at Albany, 1983, Associate Professor — structural and tectonic geology, the Appalachians

Robert Boyer, Ph.D., University of Illinois Urbana Champaign, 2013, Assistant Professor — environmental planning and sustainability

Harrison S. Campbell, Ph.D., Illinois at Urbana-Champaign, 1994, Professor and Department Associate Chair — economic geography, regional development, regional analysis

Jacapo Canello, PhD., The University of Queensland, 2014, Assistant Professor — economic geography, globalization

Gang Chen, Ph.D. University of Calgary 2010, Assistant Professor — Remote Sensing, Human-environmental interactions

Sandra Clinton, Ph.D., University of Washington 2001, Research Assistant Professor — river ecology, urban ecosystems and sustainability

Casey Davenport, Ph.D. North Carolina State University, 2011, Assistant Professor — Severe weather meteorology

Elizabeth C. Delmelle, Ph.D. UNC at Charlotte, 2012, Assistant Professor — GIS, urban geography, transportation, spatial analysis and modeling

Eric Delmelle, Ph.D. SUNY at Buffalo, 2005, Associate Professor and Coordinator of the Geography Master’s Program — GIS, space-time modeling, epidemiology, uncertainty

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 — tropical meteorology and atmospheric observation, M.C. Eppe, Ph.D., University of New Mexico, 2002, Professor — soils, paleoenvironments

Patricia Fall, Ph.D., University of Arizona, 1988, Professor — Biogeography, paleoecology, human impact on ancient environments
Sarah Gagné, Ph.D. Carlton University 2009, Associate Professor — Urban Ecology
William J. García, 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
Colleen Hammelman, Ph.D. Temple University, 2016, Assistant Professor — Urban agriculture, sustainability, ecological gentrification, migration, gender
Scott P. Hippensteel, Ph.D., University of Delaware, 2000, Associate Professor and Coordinator of the Earth Sciences Master’s Program — environmental geology, marine environments
Colleen Hammelman, Ph.D. Temple University 2016 — Urban Geography, Urban Food System Security
Brian Magi, Ph.D. University of Washington Seattle 2006, Associate Professor — biogeophysical modeling, atmospheric sciences, global change
Céline Martin, PhD., Université Henri Poincaré, Nancy 1, 2009, Assistant Professor — Igneous and Metamorphic Petrology
Isabelle Nilsson Ph.D. University of Toledo, 2015, Assistant Professor — Regional development, industry/firm location behavior, transportation, policy
Valerie S. Reynolds, PhD., University of Tennessee Knoxville, 2005, Lecturer — Geology
Jacob (Jack) Scheff, PhD, University of Washington, 2014, Assistant Professor — Hydroclimate change, climate dynamics over land, atmospheric circulation
Terry Shirley, M.S., Pennsylvania State University 2004, Senior Lecturer and Undergraduate Coordinator of Atmospheric Science Programs — synoptic meteorology and forecasting
Heather A. Smith, Ph.D., University of British Columbia, 2000, Professor and Director, Urban Studies Minor and Director of Geography Ph.D. Program — 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, Senior Lecturer and Coordinator of Undergraduate Geography Programs — population, aging, geography education
Wenwu Tang, Ph.D. University of Iowa 2008, Associate Professor and Director of Center for Applied GIScences — Geospatial Analysis
Jean-Claude Thill, Ph.D., Universite Catholique deLouvain, 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
Wei-Ning Xiang, Ph.D., University of California at Berkeley, 1989, Professor — GIS, urban and regional planning

EMERITI PROFESSORS:
John F. Bender
Owen J. Faraseth,
David T. Hartgen
Gerald L. Ingalls
Sallie M. Ives
J. Dennis Lord
Walter E. Martin
Tyrrel G. Moore
Nelson Numally
Norman W. Schol
John Sommer
Alfred W. Stuart
Wayne A. Walcott

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1940
DEGREES OFFERED: B.A., M.A., Ph.D.
DEGREES GRANTED 9/1/15 – 8/31/16: 18 Bachelor’s, 10 Masters, 2 Doctoral
MAJORS: 66 Undergraduate, 17 Master, 22 Doctoral
CHAIR: Corey M. Johnson
PROGRAM ADMINISTRATIVE ASSISTANT: Lois S. Carney

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Corey M. Johnson (e-mail corey.johnson@uncg.edu), Department of Geography, Room 237 Graham Building, The University of North Carolina at Greensboro, Greensboro, North Carolina 27402-6170.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers an undergraduate program with the following objectives: to promote the understanding of the locational dimensions of human behavior in their environmental context; to offer a curriculum where geographic concepts and methods are applied to understanding economic, environmental and social problems at the urban and regional scale; and to promote international understanding through area studies. The purposes of the program are to contribute an important dimension to the university student’s liberal education and to provide practical training in geographic methods relevant for jobs in both the private and public sectors.

Graduating majors of the department have found careers in business and industry, urban and regional planning agencies, departments and agencies of the state and federal government, and in teaching.

Special facilities of the department include the Carolina Tree-Ring Science Laboratory, the Soil and Regolith Laboratory, two fully-equipped GIS classrooms/laboratories (each with 20+ stations) and the Remote Sensing Research Laboratory.

Students pursuing the M.A. in Applied Geography can choose from one of three areas of emphasis:

1. Urban Planning, Transportation and Regional Economic Development. This area includes work in urban and economic development applied to metropolitan and regional areas on a variety of scales, including issues of transportation, tourism, demographics, political boundaries, and business site selection. Departmental specialties include North America, Europe, and Asia.

2. Earth Science and Natural Resource Management. This area includes departmental specializations in climatology, dendroecology, hydrology, geomorphology, soils, and environmental assessment. Fieldwork opportunities are an integral extension of coursework.

3. Geographic Information Science. This area comprises the techniques and research focus of cartography, geographic information systems, and remote sensing including work in statistics, computational modeling, and visualization.

The Ph.D. in Geography began in fall 2004. The PhD program centers on a research-oriented application of geographical concepts to solving
real-world problems. The degree culminates in one of two projects: the traditional dissertation, or a three article option. Concentration is in one of the three areas outlined above. The program has a strong record of placing graduates in positions in the public and private sectors, as well as to university teaching and research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Application for admission for undergraduates is located at http://admissions.uncg.edu/apply-applications.php. You can apply online or download a PDF paper application. Applications for the Master’s in Applied Geography and the Ph.D. in Geography are located at https://grs.uncg.edu/apply-online.

FACULTY:
Ricky L. Bunch, Ph.D., South Carolina, 2000, Professor — Geographic Information Science, spatial cognition
Keith G. Debbage, Ph.D., Georgia, 1988, Professor — Urban planning, regional development, tourism
Mary B. Hall-Brown, Ph.D., UNC Greensboro, 2012, Senior Lecturer/Physical Lab Director — GIScience, agriculture
Corey M. Johnson, Ph.D., Oregon, 2008, Associate Professor and Department Head — Regional development, borders, geopolitics
Paul A. Knapp, Ph.D., Georgia, 1989, Professor — Biogeography, climatology, dendroecology
G. Jay Lennartson, Ph.D., Wisconsin-Milwaukee, 1997, Senior Lecturer and Director of Undergraduate Studies — Environmental planning, environmental hazards, climatology and meteorology
Zhi-Jun Liu, Ph.D., Iowa, 1995, Associate Professor — Environmental geography, GIS, spatial statistics, hydrologic/ecological modeling
James A. Nelson, M.S., San Diego State, 1999, Senior Academic Professional/Lab Director — GIS, urban
Jeffrey C. Patton, Ph.D., Kansas, 1980, Professor — Cartography, GIS, physical geography
P. Daniel Royall, Ph.D., Tennessee, 1997, Associate Professor — Geomorphology, soils, water resources, quaternary environments
Roy S. Stine, Ph.D., South Carolina, 1991, Associate Professor — Remote sensing, geographic information systems
Selima Sultana, Ph.D., Georgia, 2000, Professor — Transportation, urban geography, GIS

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

DEPARTMENT OF GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE (GISc)

DATE FOUNDED: 1885 curriculum in Geology, 1942

Independent

GRADUATE PROGRAM FOUNDED: 1920

DEGREES OFFERED: B.A., B.S. in Environmental Studies; B.S. in Geography (tracks in Community and Urban Development, Environmental Geography, Geographic Education); Undergraduate Minor in Geospatial Technologies, Geography; M.A., M.S. in Geography; Graduate Certificate in Geographic Information Science

GRANTED? 1/15-6/30/16: 7 Bachelors, 4 Masters, 25 GISc

STUDENTS IN RESIDENCE: 30 Majors, 11 Masters

NOT IN RESIDENCE: 24 GISc

CHAIR: Gregory Vandeberg

GRADUATE DIRECTOR: Douglas Munski

GISc DIRECTOR: Enru Wang

DEPARTMENT ADMINISTRATIVE ASST: Cindy Purpur

FOR CATALOG AND FURTHER INFORMATION CONTACT: Chair, Department of Geography & GISc, 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:gregory.vandeberg@und.edu. Internet: http://arts-sciences.und.edu/geography/

PROGRAMS AND RESEARCH FACILITIES:
UND awards a Bachelor of Science degree with a Major in Geography with three options: community and urban development, environmental geography, and geographic education (36 semester hours each). UND also offers Bachelor of Arts and Bachelor of Science degrees in Environmental Studies (45 semester hours each) within the Geography & GISc Department. 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 & GISc Department houses a spatial analysis laboratory with a full range of image processing and GIS hardware and software. The department also has a physical geography wet lab. A variety of field equipment is also available for field research projects. Faculty techniques interests include GISc, 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 6 credits cognate to geography. 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 $15,504 with a full tuition waiver.

FACULTY:
Christopher J. Atkinson, Ph.D., Kansas, 2010, Assistant Professor — climatology, GIS, Great Plains
Mbongowo Joseph Mbuh, Ph.D., George Mason University, 2015, Lecturer — remote sensing and geospatial technologies for Earth Systems
Douglas C. Munski, Ph.D., Illinois, 1978, Professor — historical, geographic education, tourism, Canada, North Dakota
Michael A. Niuzdelski, Ph.D., Ohio State, 2009, Associate 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, Professor — water resources, GIS, glaciology, fluvial & glacial geomorphology
Erna Wang, Ph.D., Washington, 2005, Associate Professor — economic, regional development, urban, China, GIS

ADJUNCT FACULTY:
Gary Hart, Ph.D., Washington, 1985, Professor (Director, Center for Rural Health, School of Medicine, University of North Dakota) — medical geography
Philip J. Gerla, Ph.D., Arizona, 1983, Associate Professor (Geology and Geological Engineering, University of North Dakota) — hydrology
Rebecca L. Phillips, Ph.D., North Carolina, Research Plant Physiologist (Ecological Insights Corporation, Mandan, ND) — ecosystem biochemistry, remote sensing
Jeffrey A. VanLooy, Ph.D., Utah, 2007, Associate Professor (Earth Systems Science and Policy) — glaciology, water resources, fluvial geomorphology, remote sensing

EMERITUS FACULTY:
Devon A. Hansen, Ph.D., Utah, 1999, Associate Professor — population, migration, gender issues, community development, Great Plains
Mohammad Hennum, Ph.D., Indiana University, Professor

OHIO

KENT STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1914
GRADUATE PROGRAM FOUNDED: 1935
DEGREES OFFERED: B.A., M.A., M.G.I.S., Ph.D.
GRANTED 6/1/15-5/31/16: 14 Bachelors, 5 Masters, 2 Ph.D.
STUDENTS IN RESIDENCE: 48 Majors, 13 Masters, 26 Ph.D.

OHIO

NOT IN RESIDENCE: 14 Majors, 10 Ph.D.

CHAIR: Scott Sheridan

GRADUATE COORDINATOR: David Kaplan

UNDERGRADUATE COORDINATOR: Jennifer Mapes

DEPARTMENTAL SECRETARY: Mary Lou Church

GRADUATE SECRETARY: Tracee Young

FOR FURTHER INFORMATION:
http://www.kent.edu/geography or Department of Geography, 413 McGilvrey Hall, Kent State University, Kent, Ohio 44242, USA.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers B.A., M.A. , M.G.I.S., and Ph.D. degrees. We offer comprehensive and relevant curricula at all levels and have major research specialties in hazards and health; race, ethnicity, and place; urban ecology and sustainability; political ecology; water resources; climatology and meteorology; social media; GIS; community development and planning; social justice; and memory and violence. While preparing our students with a strong theoretical base, our approach is very applied, utilizing state-of-the-art geospatial technologies to understand these complex human-environment interactions.

The baccalaureate degree program offers a major and a minor in geography. In addition, minor programs are available in Climatology, GIS, and Urban Studies and Planning. The Master of Arts degree emphasizes the acquisition of application-oriented research skills as well as expertise in the major subfields of geography. The Master of GIS degree is fully online and offers specialized training in Cyber GIS, Environmental GIS, and GIS and Health. 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: climate and weather; cultural landscapes; ethnicity, race, and nationalism; GIS techniques and applications; health and hazards; human-environmental systems; memory and violence; urban planning; social justice; social network analysis; water resources; the regional specialties of North America, sub-Saharan Africa, and Asia. 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 computers, and several research laboratories for atmospheric research, applied geography, GIS health and hazards and social science computation. Software currently running with site licenses includes ArcInfo, ArcGIS, ArcGIS Server, ArcSDE, ArcENVI, ERMapper, PCI Geomatica, ERDAS, eCognition, SPSS, SAS, MapInfo, Matlab, NVivo, Surfer, Adobe Illustrator and Adobe Photoshop, among others. Additional facilities and equipment include access to a suite of supercomputers in the Ohio Supercomputer Center and a Physical Geography Laboratory.

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, thriving 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 environmentally-sensitive areas.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Kent State University operates on a semester system.

Undergraduate: 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 44 semester hours. These hours consist of 26 hours of core geography courses and at least 18 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, Urban Studies and Planning, and Climatology are offered through the Department. Internships in these programs are available. Both a Geography Club and Gamma Theta Upsilon are active.

Graduate: All applicants for admission to the graduate 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. A minimum GPA of 3.5 is encouraged. For non-native speakers, minimum TOEFL scores of 79 or IELTS scores of 6.5 are required for admission; minimum TOEFL scores of 94 or IELTS scores of 7.0 are required for funding. 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. A minimum of thirty (30) hours of credit are required for the M.A. degree and thirty-two for the M.G.I.S. 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 especially encouraged from qualified students representing all minority groups, the physically disabled, and women.

Financial aid is available in the form of graduate teaching assistantships, research assistantships, and university fellowships. All appointments provide a remission of most fees. Applicants are asked to apply by February 1st for fall enrollment. Submit applications on line: http://www.kent.edu/admissions/apply/.

FACULTY:
Kay Amey, Ph.D., Kent State University, 2011, Assistant Professor (Ashtabula Campus) — hydrology, environmental geology, hydrogeology, environmental geography
Andrew Curtis, Ph. D., State University New York Buffalo, 1995, Professor — GIS and public/clinical health, hazards, crime, GIS analysis, geospatial field techniques, research methods
Jacqueline Mills Curtis, Ph.D., Louisiana State University, 2005, Associate Professor — post-disaster environments, maternal child health (MCH), geospatial techniques
Mary Ann Haley, Ph.D., Kent State University, 1985, Assistant Professor and Associate Dean — economic development, industrialization, North America, Europe, Post-Soviet Eurasia
David H. Kaplan, Ph.D., Wisconsin, 1991, Professor and Graduate Coordinator — nationalism and ethnicity, French and Italian geography, urban planning, transportation, segregation
Cameron C. Lee, Ph.D., Kent State University, 2014, Assistant Professor — applied climatology, synoptic climatology, climate change, climate-ocean interaction
Jay Lee, Ph.D., Western Ontario, 1989, Professor — GIS, geospatial analysis, urban operations research, geography of China, spatial autocorrelation and temporal simulation
Jennifer Mapes, Ph.D., University of Southern California, 2009, Assistant Professor and Undergraduate Coordinator — small towns, sustainability, planning, community economics, visualization and interactive mapping
Keith Muller, Ph.D., Wisconsin-Milwaukee, 1987, Associate Professor (Trumbull Campus) — agriculture, population, rural settlement, Brazil, Latin America
Mandy J. Munro-Stasiuk, Ph.D., Alberta, 1999, Professor and Associate Provost — glacial environments, remote sensing, geoarchaeology, karst environments
Rebecca P. Parylak, Ph.D., Texas State - San Marcos, 2009, Associate Professor — physical geography, climatology, precipitation trends
Christopher W. Post, Ph.D., University of Kansas, 2006, Associate Professor (Stark Campus) — cultural landscape, historical geography, North America, commemorative justice, company towns
Thomas W. Schmidlin, Ph.D., Cornell, 1984, Professor — weather and climate, natural hazards and disasters, severe weather
Scott C. Sheridan, Ph.D., Delaware, 2000, Professor and Chair — climate and health, climate change, synoptic climatology, extreme temperature events
Sarah L. Smiley, Ph.D., University of Kansas, 2007, Associate Professor (Salem Campus) — sub-Saharan Africa, urban geography, cultural geography
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 — Political, population, gender and race
Enamariana Widner, Ph.D., Texas State - San Marcos, 2009, Associate Professor — Biogeography, urban ecology, environmental geography, computational modeling
Xinyue Ye, Ph.D., Associate Professor — GIS, computational social science, open source spatial econometrics, crime analysis

MIAMI UNIVERSITY OF OHIO

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 9/1/15-8/31/16: 22 Bachelors, 4 Masters
STUDENTS IN RESIDENCE: 71 Geography and Urban & Regional Planning Majors, 10 Masters
CHAIR: Bruce D’Arcus
DEPARTMENT ADMINISTRATIVE ASST: Debra C. White

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 an undergraduate and graduate level 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 University has comprehensive GISScience computing facilities to support instruction and research in geography. These facilities include one 26-seat state of the art GIS and remote sensing focused computer lab with ESRI, ENVI, ERDAS, and Idrisi spatial analysis software installed. The department also has an additional 26 seat instructional computer lab for teaching courses with geospatial content. The Geospatial Analysis Center (GAC) is also housed within the Geography Department. The Center is home to instruction, research, and contract work related to geospatial technologies. The University has field research facilities to support environmental research at the Ecotourism 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 2014-2015 stipends are $15,273 plus remission of state tuition surcharge (if applicable) for the length of their appointment. Of this annual stipend, $13,473 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 2015-2016). **Grants-in-aid:** Tuition.

**FACULTY:**

Bruce D’Arcus, Ph.D., Syracuse, 2001, Associate Professor and Chair — political and cultural geography, social theory, public space

Amelie Davis, Ph.D., Purdue University, 2009, Assistant Professor, Geography & Institute for the Environment & Sustainability — human-environment interactions, environmental sustainability, land change science, ecosystem services, environmental land use planning, environmental justice, landscape ecology, GIS, urban systems, agricultural systems

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

Marcia England, Ph.D., Kentucky, 2006, Associate Professor — Access to public space, media and popular culture, geographies of the body, reproductive geographies

Bartosz Gruzdinski, Ph.D., Kansas State, 2014, Assistant Professor — human-environmental interactions, watershed processes, and land use impacts on aquatic ecosystems

Mary C. Henry, Ph.D., Arizona, 2002, Associate Professor — biogeography, remote sensing, fire ecology, landscape ecology

Ziyi 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

Jessica McCarty, Ph.D., University of Maryland, College Park, 2009, Assistant Professor — geospatial science and technology, remote sensing, land-cover/land-use change, fire emissions, agriculture and food security, climate

Kimberly E. Medley, Ph.D., Michigan State, 1990, Professor — ecological and cultural biogeography, conservation, gender analysis, landscapes

Roxanne Ornelas, Ph.D., Minnesota, 2007, Associate Professor, Department of Geography — Indigenous peoples geographies, human rights, public policy, environment, and feminist theory

David L. Prytherch, Ph.D., Arizona, 2003, Professor — urban, political, and cultural geography; urban planning & sustainability; Europe and North America

Damon Scott, Ph.D., University of Texas at Austin, 2008, Assistant Professor, Geography and American Studies — Urban historical geography, gender and sexuality, urban planning history, cultural landscape change

Yelizaveta Skryzhevska, 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. Yiboah, Ph.D., Calgary, 1994, Professor, Geography — globalization, urbanization, migration, development, 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:**

Roblyn 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, 1935, Ph.D. (Geography), Colorado, 1975, Professor Emeritus

Jerry E. Green, Ph.D., North Carolina, 1976

John C. Klink, Ph.D., Minnesota, 1974, Professor Emeritus

Howard C. Lloyd, Ph.D., Northwestern, 1964, Professor Emeritus

William H. Renwick, Ph.D., Clark, 1979, Professor Emeritus

James M. Rubenstein, Ph.D., Johns Hopkins, 1975, Professor Emeritus

Richard V. Smith, Ph.D., Northwestern, 1957, Professor Emeritus

Joseph T. Urell, Ph.D., University of Cincinnati, 1972, 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

GRANTED 2015-2016: 2 M.A. in Geography, 2 M.S. in Geography, 8 Ph.D. in Geography & Atmospheric Sciences

UNDERGRADUATE MAJORS: 568

CHAIR GEOGRAPHY: Morton E. O’Kelly

GRADUATE STUDIES CHAIR: Becky Mansfield

GRADUATE PROGRAM COORDINATOR: Caitlin Naber

UNDERGRADUATE STUDIES CHAIR: Mat Coleman

UNDERGRADUATE ADVISOR: Nancy Coscia

DIRECTOR ATMOSPHERIC SCIENCES: Alvaro Montenegro

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Professor Becky Mansfield (Graduate Studies Chair), 614-247-7265 email: mansfield.32@osu.edu; Professor Mathew Coleman (Undergraduate Studies Chair), 614-292-9686, email: coleman.373@osu.edu; Professor Alvaro Montenegro (Director, Atmospheric Sciences Program, 614-688-5451, e-mail: montenegro.8@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, Regional, and Global Studies; GIS and Spatial Analysis; 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 The Ohio State University has excelled for many years. The Center for Urban and Regional Analysis, headed by Professor Harvey J. Miller, 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, the governance of neoliberal life, 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 core group is theoretical issues of GISScience 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 of 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 climate modeling. The department houses the office of the State Climatologist and several faculty are affiliated with the Byrd Polar and Climate Research Center.

These cores are linked in the Environment and Society concentration, which integrates human and physical geography approaches to focus on human-environment interactions. Faculty investigates 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; political ecology of tropical and temperate forests; environment-development issues in Latin America; and environmental health issues.

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://weather.osu.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, geographic information science, or air transportation enrollment in the College of Arts and Sciences and earn a Bachelor of Arts or Science degree. Application forms, college bulletins, and financial aid information are available at: http://undergrad.osu.edu/. The Undergraduate Admissions and First Year Experience offices are located in the Student Academic Services Building, 281 W. Lane Ave, Columbus, Ohio 43210, (614) 292-3980.

Montenegro.8@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

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High school students should apply for admission as soon as possible after August 1st of their senior year. November 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 Environmental & Society and Urban, Regional, & Global Studies; BS Geography with specializations in Climatic Studies, Physical Geography, and Spatial Analysis; BS Atmospheric Sciences; BS Geographic Information Science; and BA Social Sciences Air Transportation. 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 the 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 small group of core courses emphasizing theoretical understanding and quantitative skills. The doctoral program is designed intentionally to permit advanced graduate students the flexibility to pursue their specialized interests. Work in related disciplines is encouraged and PhD minor topics in 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. While there is no required score for admission, competitive applicants will score in the 75th percentile or above on the combined verbal and quantitative sections, and a 3.5 or above on the analytical writing. Foreign applicants must also take the TOEFL and achieve a score above 88 for admission. Financial Aid: Teaching and research associateships are available. Nine month stipends are available. 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, Professor — geo-visualization, semantics, uncertainty, spatial analysis, social media, map games

Kenneth Madsen, Ph.D., Arizona State, 2005, Associate 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, political ecology, science studies, health and environment

Bryan Mark, Ph.D., Syracuse, 2001, Professor — climatology, quaternary environmental reconstruction, tropical glaciers, hydrology, water resources, and geo-spatial modeling

Kendra McSweeney, Ph.D., McGill, 2000, 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, Director of CURA — 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, past environmental-human interactions

Ellen Mosley-Thompson, Ph.D., Ohio State, 1979, Distinguished University Professor — climatology, glaciology, ice core paleoclimatology, tropical glacier retreat, polar processes

Darla Monrow, Ph.D., University of Illinois, 2000, Professor — economic, land use change

Morton O’Kelly, Ph.D., McMaster, 1981, Professor and Chair — locational analysis, quantitative analysis, transportation

Elisabeth Root, Ph.D., University of North Carolina, 2009, Associate Professor — medical geography, spatial epidemiology, quantitative methods

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 Saï, Ph.D., University of Georgia, 1993, Distinguished Professor of Social & Behavioral Sciences and Chair — GIScience, urban geography, geographic thought, social media, public health

Steven Quiring, PhD., University of Delaware, 2005, Professor — climatology, hydroclimatology, synoptic climatology, climate data analytics

Joel Wainwright, PhD., Minnesota, 2003, 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 — GIScience, spatial analysis, geovisualization and cartography, spatial decision support systems

EMERITUS FACULTY:

William V. Ackerman, Professor Emeritus
A. John Arzfeld, Professor Emeritus
Emilio Casetti, Professor Emeritus

Victor Colombini, Associate Professor Emeritus
Kevin R. Cox, Professor Emeritus

Howard L. Gauthier, Professor Emeritus
Vera Herman, Professor Emeritus

Robert D. Klingensmith, Professor Emeritus
Duane E. Marble, Professor Emeritus

Yuri Medvedkov, Professor Emeritus
Harold Moellering, Professor Emeritus

Joel L. Morrison, Professor Emeritus
John N. Rayner, Professor Emeritus

Jeffrey C. Rogers, Professor Emeritus

Ola Ahlqvist, Ph.D., Stockholm University, 2001, Professor — geo-visualization, semantics, uncertainty, spatial analysis, social media, map games

David Bromwich, Ph.D., Wisconsin, 1979, Research Professor — polar meteorology and climatology, numerical modeling

Mathew Coleman, Ph.D., UCLA, 2005, Associate Professor — political geography

Stavros Constantinous, Ph.D., Kent State, 1982, Associate Professor (OSU; Mansfield Campus, Ohio)

Madhumita Dutta, PhD., University of Durham, U.K., 2016, Assistant Professor — labor geography, gender, development, South Asia.

Nancy Etlinger, Ph.D., Oklahoma, 1984, Professor — poststructural theory and critical epistemology, governmentality, neoliberalism, culture and economy, critical data studies, urban-social

Jay Hobgood, Ph.D., Ohio State, 1984, Associate Professor — dynamics, tropical cyclones, climatology

Julin 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

Zhengyu Liu, PhD., MIT 1991, Professor — climate dynamics, earth system modeling, paleoclimatology

Emilie Jay Hobgood, Professor Emeritus

Edward J. Malecki, Professor Emeritus

Vera Herman, Professor Emeritus

Robert D. Klingensmith, Professor Emeritus

Duane E. Marble, Professor Emeritus

Yuri Medvedkov, Professor Emeritus

Harold Moellering, Professor Emeritus

Joel L. Morrison, Professor Emeritus

John N. Rayner, Professor Emeritus

Jeffrey C. Rogers, Professor Emeritus

American Meteorological Society
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, Gender, and Sexuality 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 GISc and automated mapping. A remote sensing facility supports teaching and research in digital image processing. The Scalía 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. Ohio University's Alden Library and the OhioLINK catalog provide students access to an extensive number of journals in geography and allied fields, books, and maps.

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 $12,850 for the nine-month academic year. Research assistant positions are available through weather observations and forecasting. Other laboratory facilities include Carl Ross Geomorphology Research Laboratory, and the Long-Term Social and Ecological Research Laboratory. Ohio University's Alden Library and the OhioLINK catalog provide students access to an extensive number of journals in geography and allied fields, books, and maps.

AFFILIATED FACULTY:
Ana Mojica Myers, M.A., Ohio University, 2009, Visiting Instructor — cartography
Scott Reinemann, Ph.D., Ohio State University, 2013, Visiting Instructor — meteorology, paleoclimatology, biogeography
Michael Hollingsworth, J.D., The College of William & Mary, Visiting Assistant Professor — environmental law

OHIO UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1969
DEGREES OFFERED: B.A., B.S., M.A., M.S.
GRANTED 7/1/15-6/30/16: 42 Bachelors, 10 Masters
STUDENTS IN RESIDENCE: 170 Majors, 23 Masters
CHAIR: James M. Dyer
ADMINISTRATIVE SPECIALIST: Patti Malloy

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Undergraduate Committee; or Chair, Graduate Committee, Department of Geography, Ohio University, 122 Clippinger Labs, Athens, Ohio 45701-2979. Telephone: (740) 593-1140. Fax: (740) 593-1139. E-mail: dyer@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, Gender, and Sexuality 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 GISc and automated mapping. A remote sensing facility supports teaching and research in digital image processing. The Scalía 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. Ohio University's Alden Library and the OhioLINK catalog provide students access to an extensive number of journals in geography and allied fields, books, and maps.

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 $12,850 for the nine-month academic year. Research assistant positions are available through weather observations and forecasting. To learn more about potential research opportunities, please contact faculty members directly.

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, Associate Professor and Director of Scalía 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
Amy Lynch, Ph.D., University of Pennsylvania, 2013, Assistant Professor — land use and environmental planning, green infrastructure, sustainable community strategies and indicators
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
Dorothy Sack, Ph.D., Utah, 1988, Professor — physical geography, geomorphology, Quaternary studies, paleolakes, arid lands, history of geomorphology
Gaurav Sinha, PhD., University at Buffalo-SUNY, 2007, Associate 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 Wittson, Ph.D., Pennsylvania State, 2004, Associate Professor of Geography and Women's and Gender Studies — gender and development, social geographies, informal sector, Argentina

AFFILIATED FACULTY:
Ana Mojica Myers, M.A., Ohio University, 2009, Visiting Instructor — cartography
Scott Reinemann, Ph.D., Ohio State University, 2013, Visiting Instructor — meteorology, paleoclimatology, biogeography
Michael Hollingsworth, J.D., The College of William & Mary, Visiting Assistant Professor — environmental law
OHIO WESLEYAN UNIVERSITY

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

DATE FOUNDED: 1951

DEGREES OFFERED: B.A., Geography; Geology; Environmental Studies; Environmental Science; Urban Studies

GRANTED 9/1/16-8/30/17: 42 Geography; 30 Geology; 61 Environmental Studies

MAJORS: 15 Geography, 10 Geology, 35 Environmental Studies

CHAIR: Barton Martin
DEPARTMENT ADMINISTRATIVE ASST: Kathy Boger

FOR CATALOG AND FURTHER INFORMATION CONTACT: Dr. John Krygier, Professor of Geography, Ohio Wesleyan University, Delaware, Ohio 43015. E-mail: jbkrygier@owu.edu. Internet: geography.owu.edu

PROGRAMS AND RESEARCH FACILITIES:
Ohio Wesleyan University was founded in 1842 and geology 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 1600 students equally divided between men and women from the United States and 50 foreign countries. The geography program focuses on the 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, cartography and remote sensing; climate, weather, and climate change; urban geography and urban studies; environmental geography; and environmental studies. The interdisciplinary Environmental Studies, Environmental Science, and Urban Studies programs are directed through the Geography program. We have access to excellent paper and online resources through our Beeghly Library, 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 ongoing 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 geography, structural geology, petrology, 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, sustainability
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 geography
Jennifer Mekos, Ph.D., Vanderbilt, 2017, Visiting Assistant Professor of Geography — urban geography, economic geography, political ecology, social justice

OWENS COMMUNITY COLLEGE

DEPARTMENT OF SOCIAL & BEHAVIORAL SCIENCES

DATE FOUNDED: 2008

DEGREES OFFERED: A.A. with Concentration in Geography

CHAIR: Ramona Olvera
PROGRAM ADMINISTRATIVE ASST: Carol Cervenec

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Social & Behavioral Sciences, Founders Hall, Owens Community College, P.O. Box 10,000, Toledo, Ohio 43699-1947. Telephone (567) 661-7521. E-mail: carol.cervenec@owens.edu. Internet: http://www.owens.edu

PROGRAMS AND RESEARCH FACILITIES: Owens Community College offers an A.A. degree with a concentration in Geography. The Social & Behavioral Sciences Department offers on-campus and online courses in Human Geography, Geography of the US & Canada, Physical Geography, and World Regional Geography. All of these courses are TAG and OTM approved by the Ohio Board of Regents.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Completion of the Geography Concentration at Owens Community College requires the successful completion of four Geography courses along with the other requirements of the A.A. General degree. Owens Community College is an open-enrollment public community college. For admission and financial aid information visit: http://www.owens.edu

FACULTY:
L. Scott Deane, M.A., Ohio University, 2004, Associate Professor — cultural geography, sports geography, coal mining landscapes, Appalachia, Midwestern US

SINCLAIR COMMUNITY COLLEGE

DEPARTMENT OF SOCIOLOGY, GEOGRAPHY, AND SOCIAL WORK

DATE FOUNDED: circa 1971

DEGREES AND CERTIFICATES OFFERED: GIS certificate, Associate Degree in Geography, Applied Associate Degree in Geospatial Technology

CHAIR: Dona Fletcher
DEPARTMENT ADMINISTRATIVE ASSISTANT: Lynn Amann
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 advanced spatial analysis. The Geospatial and Social Research Center includes a classroom with 20 computers and a separate lab with 15 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 House, 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:
Adanna Ariyo, MA.
Tom Harner, GIS Coordinator at Miami Valley Regional Planning Commission
Lance Lemonges, PhD, University of Florida

the 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 2015-2016: 5 Bachelors, 2 Masters, 4 Ph.D.
students in residence: 17 Majors, 21 Masters, 17 Ph.D.
not in residence: 6 Masters, 5 Ph.D.
chair: Patrick L. Lawrence
assistant to the department chair: Tammy Golkiewicz

for further information write to: Daniel J. Hammel, 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: dan.hammel@utoledo.edu
Internet: www.utoledo.edu/ul/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, Urban and Economic Geography, Community and Urban Planning, Environmental Geography and 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 two-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
Frank J. Calzonetti, Ph.D. University of Oklahoma, Professor/Vice President for Research — GIS, Economic development
Kevin P. Czajkowski, Ph.D., 1995, University of Michigan, Professor — Climatology, Remote Sensing, Hydrology
Sharon L. Gaber, Ph.D., Cornell University, Professor, University President — Urban and Regional Planning
Daniel J. Hammel, Ph.D., 1994, University of Minnesota, Professor — Urban Geography and Planning
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

Neusa Hidalgo-Monroy McWilliams, Ph.D., 1996, University of California, Berkeley, Associate 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 University, Professor — Industrial Geography, Economic Geography, Economic Development

M. Beth Schlempner, Ph.D., 2000, University of Wisconsin-Madison, Associate Professor — Cartography, Latin America especially Andean America, environmental perception

Frank E. Horton, Ph.D., Northwestern, 1966, President Emeritus, Professor Emeritus — Transportation, urban geography

Peter S. Lindquist, Ph.D., 1988, University of Wisconsin-Milwaukee, Professor Emeritus — GIS, Digital Cartography, Location Theory, Transportation

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

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

Peter S. Lindquist, Ph.D., 1988, University of Wisconsin-Milwaukee, Professor Emeritus — GIS, Digital Cartography, Location Theory, Transportation

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 STATE UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1940

GRADUATE PROGRAM FOUNDED: 1947

DEGREES OFFERED: B.A., B.S., M.S., Ph.D. (Geography), B.S. (Geospatial Information Science), B.A. (Global Studies)

GRANTED AY 2015-2016: 11 Bachelors, 6 Masters, 1 Ph.D.

STUDENTS IN RESIDENCE: 38 Majors, 8 Masters, 22 Ph.D.

HEAD: Dale R. Lightfoot

DEPARTMENT ADMINISTRATIVE ASST: Sharon Elliott

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. Web: www.geog.okstate.edu.

PROGRAMS AND RESEARCH FACILITIES: Programs of study lead to bachelors, masters and doctoral degrees in Geography, the bachelor of science in Geospatial Information Science, and the bachelor of arts in Global Studies. The Department also sponsors studies 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 geography 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. Specialized degree plans are available in the following tracks: (1) Outdoor Recreation and Resource Management; (2) People, Place, Society; (3) Global Studies; and (4) Environmental Change and Sustainability. The Certificate in Geographic Information Systems can be added to any of these degree options.

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 Landscape 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 remodeled historic 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 geographic and periodical 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 32 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: Students may earn a B.A. or B.S. degree in Geography, B.S. in Geospatial Information Science, or a B.A. in
Global Studies. Students must earn a 2.5 GPA (4.0 basis) in their selected 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 master'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 Assistant 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.

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 Cortes, Ph.D., Texas, 1997, Professor — Quaternary paleoecology, geomorphology, geochronology, Great Plains, Middle East, Black Sea region, southern Africa
G. Allen Fincham, 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
Peter Kedron, Ph.D., University at Buffalo, 2012, Assistant Professor — new industrial landscapes, sustainability, renewable energy, regional economic development, foreign direct investment, spatial analysis
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 J. Mathews, Ph.D., Texas State, 2014, Assistant Professor — GIS, remote sensing, unmanned aerial vehicles, lidar, wine
Rebecca A. Sheehan, Ph.D., Louisiana State, 2006, Associate Professor — cultural, historical, tourism, public space, homelessness, identity, community, alternative spaces and places
Stephen J. Studler, Ph.D., Indiana State, 1979, Professor — applied climatology, wind power, remote sensing
Jacqueline Vadijinec, 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. Wilde, 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:
Clay Barrett, M.S., Oklahoma State, 2015, 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

UNIVERSITY OF CENTRAL OKLAHOMA

DEPARTMENT OF HISTORY AND GEOGRAPHY

DATE FOUNDED: 1968
DEGREE OFFERED: B.A.
GRANTED 1/1/16-12/31/16: 6
MAJORS: 25
CHAIR: Patricia Loughlin

DEPARTMENT ADMINISTRATIVE ASSISTANT: Annamaria Martucci

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Michelle Brym, University of Central Oklahoma; Department of History and Geography; 100 N. University Dr.; Edmond, OK 73034. Telephone: (405) 974-5665, Fax: (405) 974-3823. E-mail: mbrym@uco.edu. Internet: http://www.uco.edu/la/history-geography/

PROGRAMS AND RESEARCH FACILITIES: A major consists of 36 semester hours in geography. All geography majors take courses in introductory, thematic, and regional geography. Major requirements allow for students to select most of their courses in order to meet specific career goals and professional interests. A geography minor requires 18 semester hours. Geography students receive a high level of personalized attention in a rigorous academic setting. Classes do not exceed 40 members, and are typically smaller in number. The department also houses a GIS lab for students to develop technical skills. Faculty members regularly interact with students during field experiences and less formal occasions.
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, Administrative Program Assistant, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, 104 CEOAS Admin Building, Corvallis, Oregon 97331-5513. Telephone (541) 737-1201. Fax (541) 737-1200. E-mail: stacey.schulte@oregonstate.edu

Internet: http://ceoas.oregonstate.edu/students/

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 GIScience, cartography, remote sensing, geovisualization, geospatial intelligence, spatial statistics and modeling, and web mapping. Students may pursue this area of study as part of the MS or PhD in Geography. Graduate students also can obtain a GIScience 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 pursue this area of study as part of the MS or PhD in Geography. Graduate students also can obtain an online certificate in water conflict.

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 pursue this area of study as part of the MS or PhD in Geography.

Program facilities include an instructional computer lab, GIScience 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 GIScience, 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: Preferred cumulative GPA of 3.0 and completion of 15 required subject area courses. Minimum cumulative GPA of 2.25 on transferable credits. Quarter system. Financial aid: Scholarships, grants, loans and part time employment (http://financialaid.oregonstate.edu/).

**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, Instructor — 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

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

Julia A. Jones, PhD, Johns Hopkins, 1983, Professor — landscape ecology, spatial statistics, hydrology, informatics

Robert E. Kennedy, PhD, Oregon State University, 2004, Assistant Professor — geospatial analysis and remote sensing

Anne Nolan, PhD, UC Santa Barbara, 1992, 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

Jenna Tilt, PhD, University of Washington, 2007, Assistant Professor (Senior Research) — urban ecology, rural and regional planning

Jamon Van Den Hoek, PhD, University of Wisconsin-Madison, 2012, Assistant Professor — remote sensing, conflict ecology, land use/land cover

James Watson, PhD, University of California-Santa Barbara, 2011, Assistant Professor — complex adaptive social-ecological systems (expected to start date fall 2017)

Aaron T. Wolf, PhD, Wisconsin, 1992, Professor — water resources, policy and planning, Middle East geopolitics

David Wratnall, PhD, Kings College London, 2011, Assistant Professor — human dimensions of natural hazards

Bo Zhao, PhD, Ohio State University, 2015, Assistant Professor — geomaterialization

**STUDENTS IN RESIDENCE:** 167 Majors, 32 Masters, 61 GIS grad certificates (60 Geography minors, 88 GIS minors, 8 Water Resource minors)

**CHAIR:** Haejun Chang, Ph.D.

**DEPARTMENT ADMINISTRATOR:** Seyrra Croy

**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 interconnected systems. Geophysical 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.

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).

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. 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:
Sonja Andrews, Ph.D., Arizona State University, 1981; Provost and Vice President for Academic Affairs, Professor of Geography
David Banis, M.S., Portland State University, 2004, Associate Director of Center for Spatial Analysis & Research (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; Associate Professor — geomorphology and water resources, land use change, geographic information systems
Paul Loikih, Ph.D., Rutgers University, 2012, Assistant Professor — Regional climate and climate change, climate and weather extremes, climate model analysis
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
Nathan McClintock, Ph.D., Geography, University of California, Berkeley, 2011 — urban agriculture and food systems, urban political ecology, critical urban geography
Rebecca McLain, Ph.D., Forest Management, University of Washington, 2000 — natural resource governance and tenure, community-based participatory mapping, and socioeconomic assessment
Scott Nowicki, Ph.D. Geological Sciences, Arizona State University, Tempe, 2006 — Research interests: remote sensing and GIS, environmental monitoring, instrument development.
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
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 9/1/15-8/30/16: 59 Bachelors, 7 Masters, 5 Ph.D.
STUDENTS IN RESIDENCE: 117 Majors, 15 Masters, 33 Ph.D.
HEAD: Daniel Gavin
FOR FURTHER INFORMATION WRITE TO: Department of Geography, 1251 University of Oregon, Eugene, Oregon 97403-1251.
Telephone: (541) 346-4555. Fax (541) 346-2067. E-mail: uogeog@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 to: 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 Masters 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
Christopher Bone, Ph.D., Simon Fraser, 2009, Associate Professor — geographic information system science, spatial analysis and modeling
Daniel P. Buck, Ph.D., UC Berkeley, 2002, Associate 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
Mark A. Fosnot, Ph.D., Arizona State, 2000, Associate Professor — geomorphology, hydrology, remote sensing, environmental simulation
Daniel G. Gavin, Ph.D., Washington, 2000, Associate Professor and Department Head — biogeography, paleoecology
Leigh Johnson, Ph.D., UC Berkeley, 2011, Assistant Professor — political ecology, development, economic geography
Amy K. Lobben, Ph.D., Michigan State, 1999, Professor — cartography, spatial cognition and abilities, GIS, neuroimaging
W. Andrew Marcus, Ph.D., Colorado, 1987, Professor — 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, Associate Professor — urban sustainability, water policy

Alexander B. Murphy, Ph.D., Chicago, 1987, Professor — political and cultural geography, Europe, law and geography

Laura Palido, Ph.D., University of California, Los Angeles, 1991, Professor — critical human geography, race, environmental justice, labor, chicana/o studies, popular education

Hedda R. Schmidtke, Ph.D., University of Hamburg, 2005, Assistant Professor — geographic information science, scale

Lucas Silva, Ph.D., University of Guelph, ON, Canada, 2011, Assistant Professor — terrestrial ecology, soil-plant-atmosphere interactions, climate change impacts on natural and managed lands

Xiaobo Su, Ph.D. National University of Singapore, 2007, Associate Professor — cultural landscape, tourism, identity, China

Peter A. Walker, Ph.D., UC Berkeley, 1997, Professor — cultural and political ecology, human-environmental relations, Africa

EMERITI FACULTY:

Stanton A. Cook, Ph.D., UC Berkeley, 1960

Carl L. Johannessen, Ph.D., UC Berkeley, 1959

Alvin W. Urquhart, Ph.D., UC Berkeley, 1962

Ronald Wixman, Ph.D., Chicago, 1978

PENNSYLVANIA

IUP – INDIANA UNIVERSITY OF PENNSYLVANIA

DEPARTMENT OF GEOGRAPHY AND REGIONAL PLANNING

DATE FOUND: 1928

GRADUATE PROGRAM FOUNDED: 1958

DEGREES OFFERED: B.A., B.S. (Regional Planning and Social Science Education), M.S.

GRANTED 9/1/16-8/31/17: 35 Bachelors, 10 Masters

NUMBER OF STUDENTS: 130 Majors, 22 Masters

CHAIR: John E. Benhart, Jr.

DEPARTMENT SECRETARY: Melissa Bair

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Ms. Melissa Bair, Admissions Information, Dept. of Geography and Regional Planning, IUP, Indiana, PA 15705. Telephone (724) 357-2250. Fax: (724) 357-6479. Email: mbair@iup.edu. Internet: www.iup.edu/georegionalplan/

PROGRAMS AND RESEARCH FACILITIES: Department faculty and the institution are dedicated to quality personalized education. Emphasis is placed on student-faculty interaction on research and community projects. Programs are designed to prepare geographers to enter government service, business or industry, including water resource management, utility infrastructure systems, and local planning studies. Planners are prepared for positions in local, regional and state agencies. Social science educators are prepared for secondary schools. All programs focus upon the tools, techniques, and substance of the field. Graduates experience a high rate of placement success in planning offices, engineering firms, and for government agencies following graduation.

Undergraduates major in geography or regional planning with track specializations available in environmental, economic, GIS/cartography, land use planning, or general geography. Internships are encouraged. Education majors begin clinical experience in the sophomore year.

The department offers M.S. student tracks in regional planning, GIS/cartography, or environmental planning. Selected courses in related fields, independent research, and internship credits may be applied toward a Masters degree. Thesis and non-thesis options are available. A portfolio is required of non-thesis students.

The department maintains multiple facilities that support instruction and research in geospatial techniques and planning analysis/design: The Geospatial Lab is designed to train students using cartography, geographic information systems (GIS), remote sensing, and computer aided drafting (CAD) hardware and software, including ESRI ArcGIS 10 (University Site License), ERDAS Imagine, IDRISI Maphino, and MiniCAD/Vectorworks applications. The Planning Lab/Studio incorporates spaces support planning design and analysis applications where students have access to the Adobe Creative Suite, Google SketchUp, AutoCAD and other platforms for articulating designs, analysis and ideas. The Department also retains equipment for teaching students advanced environmental data collection and analysis techniques, including a GPS base station, Trimble GeoXT, GeoXH and R-8 global positioning system (GPS) units, a Nikon Total Station survey instrument, EcoSeeker DataLogger water monitoring devices, and a Davis Vantage Pro 2 Weather Station with real-time reporting capabilities.

Recent faculty research papers and publications have examined resource extraction patterns and impacts in Pennsylvania, planning policy and implementation in rural communities, economic development, Eastern Europe, Africa, environmental planning, geographic information systems applications, regional input-output analysis, cultural landscapes, and geographic education. Departmental faculty serve in various capacities in the Association of American Geographers, Pennsylvania Planning Association, Pennsylvania Geographical Society, and the National Council for Geographic Education. Faculty play a fundamental role in state GIS projects. Student employment is often available for student participation in faculty research.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: IUP has two 14-week semesters during the regular academic year and two five-week sessions in the summer. Information on admission should be requested from the Admissions Office, IUP, Indiana, PA 15705. IUP’s Financial Aid Office runs a program which has been recognized nationally for its excellence. IUP has been recognized in Barron’s, The New York Times Education Editor, and Changing Times Magazine for offering quality education at an affordable cost. Geography Department-specific scholarships for secondary education, combined programs in geography and mathematics, and performance are offered. Geography or Planning students scoring above 1150 on SAT may be eligible for tuition waivers.

GRADUATE: The graduate program is open to qualified students holding a bachelor’s degree from an accredited college or university. Graduate Record Examination scores are required for admission. Students anticipating application should strive for a 3.0 QPA or better in the junior and senior years. Graduate assistantships, employment opportunities, and loans comprise the financial aid packages. Assistantships and employment are available in the Department and various research offices at IUP.
FACULTY:
John E. Benhart, Jr., Ph.D., Tennessee, 1995, Professor — GIS, conservation, land use, urban, transportation
Donald W. Buckwalter, Ph.D., Tennessee, 1988, Professor — economic development, regional, map and photo development, retail, transportation, former Soviet Union
Sudesha Ghosh, Ph.D., Cincinnati, 2013, Assistant Professor — economic development, community planning, planning methods and analysis
Richard J. Hoch, Ph.D., West Virginia, 2005, Associate Professor — land use planning, regional economic development, environmental planning, remote sensing, GIS
Calvin O. Masilela, Ph.D., Virginia Polytechnic, 1989, Professor — Africa, land use policy, planning theory, urban planning, planning techniques
Brian W. Okey, Ph.D., University of Guelph, 1999, Professor — environmental, water resources
Kevin J. Patrick, Ph.D., North Carolina, 1995, Professor — economic, urban, transportation, cartography
Christopher Schaney, PhD., West Virginia, 2010, Assistant Professor — energy, environmental, remote sensing
Gail S. Sechrist, Ph.D., Louisiana State, 1986, Professor — cultural-historical, U.S. and Canada, religion
Robert P. Secor, Ph.D., Louisiana State, 1986, Professor — cartography, spatial diffusion, GIS
Jennifer Smith, Ph.D., West Virginia University, 2015, Assistant Professor — developing world urbanization and development, land use/land cover analysis, remote sensing
D. Whit Watts, Ph.D., Virginia Polytechnic, 1995, Assistant Professor — land use planning, design, theory, land use law
Stacey Patrick, Ph.D., Kent State, 2016, Instructor — cultural geography, political geography
EMERITI FACULTY:
Robert B. Begg
Joseph Benclovis
Susan E. Forbes
Thomas G. Gault
Vincent P. Miller, Jr.
Ruth I. Shirley
Leonard P. Tepper
Charles E. Weber

KUTZTOWN UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1961
DEGREES OFFERED: B.A. in Geography, B.S. in Environmental Science/Geography
GRANTED 7/01/10 - 12/17/16: 67 B.A. degrees, 3 B.S.
degrees
MAJORS: 53
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. Information at: www.kutztown.edu/geography

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers a Bachelor of Arts degree in four tracks: general, environmental, globalization and planning as well as a Bachelor of Science degree in Environmental Science/Geography. 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 environmental and planning tracks, and for the B.S. Environmental Science/Geography track, offering students the 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. The Carrie Babb Scholarship is offered at the Kutztown University Department of Geography. It is in place to recruit and retain geography majors that demonstrate excellence in academic ability and achievement. Available scholarship funds are divided among chosen recipients, who must register as full-time students. More information and application at www.kutztown.edu/geography/scholarships

FACULTY:
Mario L. Cardozo, Ph.D., University of Texas at Austin, 2013, Assistant Professor — Human-environment interactions, conservation, GIS, remote sensing, Latin America
Moira Conway, Ph.D., CUNY Graduate Center, 2014, Assistant Professor — Economic geography, GIS, transportation, urban issues
Richard S. Courtney, Ph.D., Ohio State University, 1993, Associate Professor and Chair — physical, cartography, research methods, urban
Michael A. Davis, Ph.D., Ohio State University, 2011, Assistant Professor — physical, atmospheric science, meteorology, weather analysis, climatology
Mathias Le Bossé, Ph.D., University of Wisconsin at Madison, 2000, Associate Professor — cultural geography, political, human and regional, Europe
Steven M. Schnell, Ph.D., University of Kansas, 1998, Professor — cultural, Africa, North America, globalization, local foods and economies

ADJUNCT FACULTY
Mr. Matthew West, M.S. Temple University, 2005, Instructor — GIS, transportation planning.

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 6/1/16-5/31/17: 38 Bachelors, 47 Masters, 10 Ph.D.
STUDENTS IN RESIDENCE: 115 undergraduate majors, 230 undergraduate minors, 5 M.S., 52 Ph.D., 2 postdoctoral scholars
NOT IN RESIDENCE: 241 CPGIS and MGIS, 423 GEOINT, 105 GEOAPP, 22 RS
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: grad@geog.psu.edu. Internet: www.geog.psu.edu.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers a full range of baccalaureate and graduate degrees with diverse learning and research opportunities, on and off campus. The department offers concentrations in all four major subfields of geography: human, physical, environmental and society, and GIScience. Across these subfields we emphasize the geography of global change. Our perspectives span local to global levels across spatial and temporal scales. Addressing these components of global change, we also advance geographical information science and technology needed to use new spatial data generated from combinations of specialized sensors and the Internet of things. Research and specialization clusters include 1) urbanization; governance, population and environment; justice, ethics and diversity; 2) food security and human health; social processes and networks; geospatial big data analytics; and 3) environmental change and prediction; environmental decision making and thinking spatially; spatial modeling and remote sensing.

The department hosts three major research centers. The GeoVISTA Center (with affiliate labs ChoroPhronesis, Geoinformatics and Earth Observation, and Friendly Cities) emphasizes geovisual analytics, seeks to generate immersive realities, and to understand interaction with geospatial information. Emphasis in the Center for Landscape Dynamics are understanding the social and ecological factors that govern landscape resilience and inform decision-making in the northeastern US. Riparia conducts and coordinates interdisciplinary research, monitoring, and training on wetlands. Additional departmental labs include PLACE, Vegetation Dynamics, CLIM, HELIX, and GeoSynthesSES, as well as the Gould Center. Departmental research labs and centers are described at www.geog.psu.edu/research

The Department of Geography benefits from close ties to the University Office of Global Programs, the Penn State Institutes of The Department of Geography benefits from close ties to the University Office of Global Programs, the Penn State Institutes of Energy and the Environment (PSIEE), the Earth and Environmental Systems Institute (EESI), the Social Science Research Institute (SSRI), the Institute for CyberScience (ICS), the Rock Ethics Institute, and the Population Research Institute. We participate in dual-degree and intercollege graduate programs in Women’s, Gender, and Sexuality Studies; Ecology; Climate Science, and African Studies. The department occupies excellent facilities on a beautiful campus and provides office and lab 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 and instructional missions. The department employs information technology specialists, and equipment and software are regularly updated.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Undergraduate: The University follows the 15-week semester system with one four-week and 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 other campuses. 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 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.); B.S. options in Geographic Information Science and Physical/Environmental Geography; B.A. options in Human Geography and Nature/Society Geography. The program offers minors in Geography and Geographic Information Science. Oceanography majors have the opportunity to pursue geographic faculty supervised study in Climatology, Environmental Inquiry, Information Science and Technology for Earth and Mineral Sciences, and Watersheds/Water Resources. The department also participates in concurrent majors; 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 www.geog.psu.edu/undergraduate-program-information or by contacting Jodi Vender at advising@geog.psu.edu.

Professional: The department offers online certificate and master’s degree programs in Geographic Information Systems (GIS), Remote Sensing and Earth Observation (RS), and Geospatial Intelligence (GEOINT) to meet the needs and busy schedules of full-time employees. The 11-credit post-baccalaureate program helps students become more skillful and knowledgeable GIS users. The graduate certificate program in Remote Sensing and Earth Observation is a 12-credit program for GIS practitioners who lack formal education in technologies and methods associated with remote sensing, image analysis, and terrain modeling. The graduate certificate program in Geospatial Intelligence (GEOINT) is a 14-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 35-credit program for those who aspire to leadership in the GIS profession. The certificate and MGIS programs follow an accelerated schedule of five ten-week terms per year. All courses are instructor-led and are offered through the University’s web-based course management system. See the department’s online geospatial education program gateway at: www.worldcampus.psu.edu/gep

Resident Graduate: The department has minimal course requirements for the resident graduate program. Programs are individually designed to suit personal needs and professional aims, and are based on the results of a placement test given at the beginning of the first semester. Program emphases are well reflected in faculty specialties listed below. Work outside geography is strongly encouraged. The department participates in interdisciplinary graduate programs in African studies, ecology, human dimensions of natural resources and the environment, and women’s, gender, and sexuality studies. 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 tuition and fees. Fellowships 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. An accelerated five-year M.S. to Ph.D. program is also offered. Detailed information about the graduate programs is available at www.geog.psu.edu/graduate-program-information/future-graduate-students

STATEMENT ON RIGHTS AND COMMUNITY: Penn State Geography is a diverse and inclusive community with representation from many countries, racial and ethnic groups, and perspectives. Our research and teaching activities embrace this diversity because it is our conviction that geography faculty supervised study in Climatology, Environmental Inquiry, Information Science and Technology for Earth and Mineral Sciences, and Watersheds/Water Resources. The department also participates in concurrent majors; 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 www.geog.psu.edu/undergraduate-program-information or by contacting Jodi Vender at advising@geog.psu.edu.

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STATEMENT ON RIGHTS AND COMMUNITY: Penn State Geography is a diverse and inclusive community with representation from many countries, racial and ethnic groups, and perspectives. Our research and teaching activities embrace this diversity because it is our conviction that geography faculty supervised study in Climatology, Environmental Inquiry, Information Science and Technology for Earth and Mineral Sciences, and Watersheds/Water Resources. The department also participates in concurrent majors; 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 www.geog.psu.edu/undergraduate-program-information or by contacting Jodi Vender at advising@geog.psu.edu.
and the human condition. We remain committed to making the world a better place for all.

RESIDENT PROGRAM FACULTY:

Clio M. Andris, Ph.D., MIT, 2011, Assistant Professor — social networks, urban planning, spatial analysis & GIS, interpersonal relationships, institutions, telecommunications, human movement

Jennifer Baka, Ph.D., Yale, 2012, Assistant Professor — energy geography, political-industrial ecology, environmental governance, biofuels and hydraulic fracturing

Cynthia A. Brewer, Ph.D., Michigan State, 1991, Professor and Head of Department — 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

Andrew M. Carleton, Ph.D., Colorado, 1982, Professor of Geography — satellite climatology, synoptic climatology, climate dynamics, human impacts on climate, polar climates

Guido Cervone, Ph.D., George Mason University, 2005, Associate Professor of Geography, McGill University 2012, Assistant Professor — remote sensing, environmental hazards, geoinformatics, social media, spatial statistics, complex economic systems

Robert G. Crane, Ph.D., Colorado, 1981, Professor; Associate Vice Provost for Global Programs — climatology, regional scale climate change, African climates

Lorraine Dowler, Ph.D., Syracuse, 1997, Associate Professor — 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; Director for the NSF Directorate for Geosciences — 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

Joshua F. J. Inwood, Ph.D., University of Georgia, 2007, Associate Professor — social and racial dimensions of human vulnerability, global ethics

Brian King, Ph.D., University of Colorado-Boulder, 2004, Associate Professor — development, conservation, Southern Africa, cultural and political ecology, health, livelihoods, justice

Alexander Klippel, Ph.D., Bremen, 2003, Associate Professor — 3D modeling, virtual and augmented reality, geographical information science, spatial languages, geographic event conceptualization, behavioral research methods

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 K. Nelson, Ph.D., University of Washington, 2000, Associate Professor of Women’s, Gender, and Sexuality Studies and Geography — qualitative methods, political and feminist geography, neoliberal globalization, citizenship belonging and identity, Mexico and the United States, migration and labor

Bromley A. Powell, Ph.D., McGill University, 2012, Assistant Professor — social, cultural and environmental drivers of diet quality and food security, relationships between biodiversity and human nutrition

Anthony Robinson, Ph.D., Penn State, 2008, Assistant Professor, Director of Online Geospatial Education Programs — geographic visualization, cartography, visual analytics

Erica A. Smithwick, Ph.D., Oregon State, 2011, 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

Kimberley A. Thomas, Ph.D., Rutgers, 2015, Assistant Professor of Geography — environment and society, resource governance and environmental politics, water politics, international development

Melissa W. Wright, Ph.D., Johns Hopkins, 1997, Professor of Geography and Women’s, Gender, and Sexuality Studies (WGSS): Department Head, WGSS — social theory, feminist theory, political economy, Mexico-U.S. border, qualitative methods

Karl S. Zimmerman, 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
Rodney A. Erickson, Ph.D. University of Washington, 1973
Deryck W. Holdsworth, Ph.D., British Columbia, 1981
Peirce F. Lewis, Ph.D., Michigan, 1958
Andrea J. Pequet, Ph.D., SUNY, 1977
Lakshman Yapa, Ph.D., Syracuse, 1969
Brent Yarnal, Ph.D., Simon Fraser, 1982

RESEARCH AND AFFILIATE FACULTY:

Neil Brown, Ph.D., Penn State, Research Associate, Office of the Vice Provost for Global Programs; Program Director, Parks and People South Africa; dual-title Assistant Professor of Geography — development of curricula, assessment and evaluation tools for learning in non-conventional environments, nutritional ecology, environmental and social implications of herbivore centered systems

Larry Gorenplo, Ph.D., University of California, Santa Barbara, 1985, Professor of Landscape Architecture and Geography — biodiversity conservation, cultural ecology, East Africa, Latin America, Southeast Asia

Stephen A. Matthews, Ph.D., Wales, 1990, Professor of Sociology, Anthropology, Demography, and Geography; Director, Graduate Program in Demography — demography, health and well-being, geographic information systems, multi-method research

Mike Nash, Ph.D., Virginia Tech, Research Associate, Riparia — wetland hydrology, wetland condition assessments, climate change impacts on wetland structure and function

Hari M. Osofsky, Ph.D., University of Oregon, Dean of Penn State Law and the School of International Affairs; Distinguished Professor of Law; Professor of International Affairs and Geography

Linda Pickle, Ph.D., Johns Hopkins, 1977, Adjunct Professor — geovisualization, spatial statistical analysis, cancer epidemiology

Denice Wardrop, Ph.D., Penn State, 1997, Senior Scientist; Associate Director for the NSF Directorate for Geosciences — geovisualization, cartography, visual analytics

Larry Gorenflo, Ph.D., University of California, Santa Barbara, 1985, Professor

ONLINE PROGRAM FACULTY, DUTTON E-EDUCATION INSTITUTE:

Todd Bacastow, Ph.D., Penn State, 1992, Professor of Practice; Lead faculty, Graduate Certificate in Geospatial Intelligence and Professional Master of Homeland Security Geospatial Intelligence Option — GIS, geospatial intelligence, geospatial analytic methods

Ryan Baxter, M.S., Penn State, 1999, Senior Research Assistant — geographic information systems, cloud and server technology, environmental applications
DEGREES OFFERED:  
GRADUATE PROGRAM FOUNDED: 1969
DEGREES OFFERED: B.A. in Geography and Urban Studies; B.A. in Environmental Studies; Undergraduate Certificate in Geographic Information Systems; M.A. in Geography and Urban Studies; Professional Science Master’s (PSM) in Geographic Information Systems; Graduate Certificate in Geographic Information Systems; Ph.D. in Geography and Urban Studies

GRANTED 09/01/14-08/31/15: 22 Bachelors in Geography and Urban Studies; 39 Bachelors in Environmental Studies; 5 Masters of Arts in Geography and Urban Studies; 1 Master of Professional Science in GIS; 6 Ph.D. in Geography and Urban Studies

STUDENTS IN RESIDENCE: 167 Majors; 2 M.A.; 19 Professional Science Masters in GIS; 22 Ph.D.

CHAIR: Melissa R. Gilbert

DEPARTMENT ADMINISTRATIVE ASST: Maggie Cogswell

FOR FURTHER INFORMATION WRITE TO: Program Coordinator, Department of Geography and Urban Studies, 308 Gladfelter Hall, Temple University, Philadelphia PA 19122.

PROGRAMS AND RESEARCH FACILITIES: The department offers a Ph.D. and Masters degrees in Geography and Urban Studies, a Professional Science Master’s (PSM) in GIS, a B.A. in Geography and Urban Studies, a B.A. in Environmental Studies, and Undergraduate and Graduate Certificates in GIS. 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 complexity and pace of economic, environmental, and social change requires an integrative graduate program that provides students with students with strong analytical foundation that stresses spatial relations, scale transitions, place and context, and nature societal relations. 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 organizations, and social movements in the local region, many other regions in the United States, and several significant international locations including South and East Asia and Latin America.

The PSM in GIS program requires 30 credits and follows a year-long, 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 Professional Science Master’s in Geographic Information Systems (PSM in GIS) program is designed to train a highly competent workforce, ready to meet the demands of the job market in the non-profit, governmental, and private sectors. By coordinating with an advisory board of professionals in the field, we are building a program that meets current market needs and that will be adaptable to future industry needs.

The PSM in GIS program requires 30 credits and follows a year-long, full-time model that provides an intensive experience for student-professionals seeking to re-enter the workforce quickly. Students will also be able to complete the program part-time to ensure that working...
professionals are able to take advantage of this new degree program. The electives will allow students to specialize within their own respective areas of interest. The Capstone or Internship course provides students with a research project or industry experience, depending on their primary interests. All courses will emphasize practical skills such as project management, scientific writing, verbal communication, and presentation skills, as well as critical thinking.

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. The program draws upon the interdisciplinary expertise of twenty-four faculty members. In recent years, members of the department have published books with leading publishers in the field including Oxford University Press, MIT Press, and Wiley and Routledge; contributed articles to leading geographical journals such as the Annals of the Association of American Geographers, The Professional Geographer, and Economic Geography and interdisciplinary journals such as Environment and Planning A, Cities, Journal of the National Cancer Institute, International Forestry Review, Remote Sensing of Environment, and Transfers; Interdisciplinary Journal of Mobility Studies; and received competitive grants from the National Science Foundation, the National Institutes of Health, World Bank, the Environmental Protection Agency, the United Nations, the United States Information Agency, the Overseas Development Institute, the Inter-American Foundation, the American Institute of Indian Studies, and the Economic Development Agency.

The Department has recently opened a new GIS lab and studio for graduate students. 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. All students in the Professional Science Masters in GIS are provided with a laptop and software.

An additional research facility, the Spatial Analytics Laboratory at Temple (SAL@T), is a university-wide core-facility in health geographies situated in and managed by the Department of Geography and Urban Studies.

The challenges and opportunities that face cities and metropolitan regions are central to the well being of billions of people around the globe. Our programs focus 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://bulletin.temple.edu/graduate/scd/cla/geography-urban-studies-phd.

Admission requirements for the M.A. program are available at: http://bulletin.temple.edu/graduate/scd/cla/geography-urban-studies-ma/admissiontext.

Admission requirements for the PSM in GIS are available at: http://bulletin.temple.edu/graduate/scd/cla/geographic-information-systems-psm/admissiontext

Financial Aid information may be obtained from the Office of Student Financial Services, at: www.temple.edu/sfs

FACULTY:
Max Andrucki, Ph.D., Leeds, 2011, Assistant Professor of Instruction and Internship Coordinator — 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, Assistant Professor of Instruction — 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
Braade Gardener, PhD., CUNY Graduate Center, 2012, Assistant Professor of Instruction — urban geography, race, migration, identity, neighborhood change, Jewish Studies, Applications of GIS
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
Victor Hugo Gutierrez-Velez, Ph.D., Columbia, 2013, Assistant Professor — sustainability science, remote sensing, environmental change, landscape ecology, land change science, spatio-temporal modeling, climate change adaptation and mitigation, social-ecological systems
Lee Hochadoorian, Ph.D., CUNY Graduate Center, 2011, Assistant Professor of Instruction and Assistant Director of the Professional Science Master’s in GIS — Open source GIS, open data, spatial databases, urban economic geography, spatial analysis, residential location, local public finance, suburbanization and sprawl
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 and Graduate Chair — medical and health geography, public health, cancer epidemiology, applied GIS and spatial statistics for health data, health services and disparities
Charles Kaylor, ABD, Michigan, Assistant Professor of Instruction — 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, Asia
Michele Musacci, Ph.D., Clark, 1987, Professor and 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
Ariane Middel, Ph.D., Kaiserslautern, 2008, Assistant Professor — urban climate, microclimate, human biometeorology, heat mitigation, climate change adaptation and mitigation, modeling and simulation, urban form and design, urban sustainability, geovisualization
David Organ, Ph.D., Berkeley, 1995, Assistant Professor of Instruction — historical geography, urban geography and African American Studies

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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 50 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.

UPI is a degree granting four year college within the University of Pittsburgh system. The college offers undergraduate programs in arts and sciences, education, business, nursing 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:**
Ola Johansson, Ph.D., Tennessee, 2004, Professor — urban, planning, energy, Europe, popular music

William B. Kory, Ph.D., Pittsburgh, 1977, Associate Professor — geodemography, political, migration, Russia and Eastern Europe, Africa

Ahmad Massassi, PhD, Utah, 1991, Assistant Professor — cartography, GIS, remote sensing, Middle East

Staff — physical, climatology, environmental, natural hazards, water resources

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., M.S.

**GRANTED 8/22/16-8/22/17:** 21 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/artsci/geoenv/.

**PROGRAMS AND RESEARCH FACILITIES:** The Department of Geography and the Environment offers B.A. degrees in Geography and Environmental Studies, and a B.S. in Environmental Science. The department also offers minors in Geography and Sustainability Studies. The department’s inaugural class for its new MS in Environmental Science began during the fall 2016 semester. 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. The department has three teaching and five research labs. Additionally, the department has just added a full suite of state-of-the-art GPS equipment and offers a GPS certification program.

The department sponsors the Eta Lambda Chapter of Gamma Theta Upsilon, the International Geographical Honor Society. Students enrolled in the geography and 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.

**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/financialaid/).

**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, Associate 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, environmental change, natural resources

Kabindra Shukya, Ph.D., Rice University, 2011, Assistant Professor — environmental science, environmental health

John L. Kelley, M.A., University of Georgia, 1981, Instructor — remote sensing

Peleg Kremer, Ph.D., University of Delaware, 2010, Assistant Professor — geographic information systems, urban sustainability

Lisa J. Rodrigues, Ph.D., University of Pennsylvania, 2005, Associate Professor and Graduate Program Director — environmental science, coral reef biogeochemistry

Stephen M. Strader, Ph.D., Northern Illinois University, 2016, Assistant Professor — meteorology

Melanie A. Vile, Ph.D., Notre Dame, 2005, Assistant Professor — ecology

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.S. Urban & Environmental Planning; B.A. in Geography; M.S. in Geography; B.A. in Elective Social Studies Education; Master of Urban & Regional Planning

**POST BACCALAUREATE CERTIFICATES OFFERED:** Geographic Information Systems (GIS), GIS Online, Urban and Regional Planning

**GRANTED 9/1/16-8/31/17:** 26 Bachelors, 8 Masters, 10 Certificates

**STUDENTS IN RESIDENCE:** 102 Undergraduate Majors, 31 Masters students

**NOT IN RESIDENCE:** 5 Masters

**CHAIR:** Dorothy Ives Dewey

**DEPARTMENT ADMINISTRATIVE ASST:** Heather MacQueen

**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 and Planning at West Chester, housed in the College of Business and Public Management, offers undergraduate majors and minors in planning, geography 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 complete either a B.S. in Urban and Environmental Planning or a B.A. in Geography with an option to specialize in one of four specific areas of interest: (1) General Geography, (2) Geographic Information Systems (GIS), (3) Environmental, (4) Elective Social Studies Education. All degree options include an emphasis on applications of geospatial technologies and provide comprehensive backgrounds in planning and/or 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 of Urban and Regional Planning (MURP) and an M.S. in Geography. There are two certificate programs.

The M.S. 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 Master of Urban and Regional Planning prepares students for careers in urban planning or a related profession. The program emphasizes environmental planning, economic development planning and land use. Geospatial technologies are fully integrated throughout the program. The program has been designed around the accreditation standards of the Planning Accreditation Board (PAB).

The Certificate in Geographic Information Systems consists of four 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 four courses can be counted towards a M.S. in Geography and/or the Master of Urban and Regional 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 a Master of Public Administration degree.

The Department’s facilities in a new Business & Public Management Center include two GIS laboratories and a Planning Studio with ArcGIS suite of programs including online resources as well as 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 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
Joy A. Fritschle, Ph.D., Wisconsin-Madison, 2007, 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, Professor — land use planning, economic development planning, housing, 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

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 (CALENDAR YEAR 2016): 19 Bachelors, 7 Masters, 1 Ph.D.

STUDENTS IN RESIDENCE: 51 Majors, 25 Masters, 26 Ph.D.

CHAIR: Caroline Nagel
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. Jean Ellis, jtellis@mailbox.sc.edu. For more information about the department and to request graduate application materials see the Geography 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 studies, 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 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, spatial high-performance/cloud computing, 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 a broad range of positions in the public and private sector. 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 also offers an undergraduate certificate in geospatial intelligence (GEO-INT) that is accredited by the U.S. Geospatial Intelligence Foundation.
The department is home to several research centers and institutes. The Hazards and Vulnerability Research Institute is an interdisciplinary research center and graduate program. The department also employs a full-time systems analyst and is home to several research centers and institutes. The department has extensive web development and deployment infrastructure. In addition, we have an extensive and well-maintained collection of computer resources. 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 an introductory geography course, a geographic techniques course, and a senior capstone seminar. Additional coursework may be taken in two specialized concentrations (physical/environmental geographic information science, or completing a general geography degree) that consists of courses selected from across the curriculum in conjunction with a student's advisor. All coursework is 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 the School of Earth, Ocean, and Environment, Media Arts, Political Science, and Global Studies.

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 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 $21,500 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
Gregory J. Carbone, Ph.D., Wisconsin-Madison, 1990, Professor — climatology, environmental decision-making
Susan L. Cutter, Ph.D., Chicago, 1976, Carolina Distinguished Professor — environmental hazards and risks, environmental policy, natural resource management
Kirstin Dow, Ph.D., Clark, 1996, Professor — human dimensions of climate 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
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 management
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 — biogeochemistry, landscape ecology, public land management, spatial analysis, GIScience
Zhenlong Li, Ph.D., George Mason University, 2015, Assistant Professor — spatial high-performance/cloud computing; big data management, processing and analysis; environmental modeling and simulation
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
Carly 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
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 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.
ADJUNCT FACULTY:
Norman Bliss, Ph.D., Associate Professor, EDC, University of Pennsylvania, 1970
Erin Hogan Fouberg, Ph.D., Associate Professor, University of Nebraska, 1997
Alisa Gallant, Ph.D., Associate Professor, EDC, Colorado State University, 1997
Dean B. Gesch, PhD., 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, 2002
Lauri B. Sohl, M.S., Instructor, South Dakota State University, 2004
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, PhD., Professor, University of Texas at Dallas, 1989, GIS/CE, Interim Co-Director
Thomas Loveland, Ph.D., Professor, EDC, University of California-Santa Barbara, 1998
David Roy, PhD., Professor, Cambridge University, 1994
Gabriel Senay, PhD., Associate Professor, EDC, Ohio State University, 1996
James Vogelmann, PhD., Professor, Indiana University, 1983
Mike Wimberly, PhD., Professor, Oregon State University, 1999
Xiaoyang Zhang, PhD., Associate Professor, University of London, 1999

TENNESSEE

MIDDLE TENNESSEE STATE UNIVERSITY

DEPARTMENT OF GEOSCIENCES
DATE FOUNDED: 1964
DEGREES OFFERED: B.S. Geosciences; Master of Science in Professional Science (MS-PS)
GRANTED: (B.S.) Spring/Summer/Fall 2016: 32
STUDENTS IN RESIDENCE: 86 Majors (undergraduate) 18 MS-PS
CHAIR: J. Warner Cribb

FOR CATALOG AND FURTHER INFORMATION:
Catalog: catalog.mtsu.edu; Undergraduate Admissions: admissions@mtsu.edu, 615-898-2233. Graduate Admissions: graduate@mtsu.edu, 615-898-2840. Department of Geosciences: 615-898-2726; Fax: 615-898-5592; E-mail: Karen.Wolfe@mtsu.edu; Internet: mtsu.edu/geosciences.

PROGRAMS AND RESEARCH FACILITIES: The B.S. in Geosciences has emphases in Physical Geography and Geology. Within these major emphases are career tracks (patterns) designed to provide the student with exceptional career opportunities. In the Physical Geography emphasis, the two career tracks are Physical Geography, and Geographic Techniques (primarily GIS, remote sensing, and cartography). The Geology emphasis has three career tracks: Geology, Earth Science, and Earth Science for Teachers. Three undergraduate minors are offered: Physical Geography, Remote Sensing, and Geology/Earth Science. Two graduate minors are offered: Physical Geography, and Earth Science/Geology. The Master of Science in Professional Science, which is certified as a Professional Science Master’s degree, has three career tracks: GIS, Environmental Geosystems, and General Geoscience.

Departmental programs are supported by the Geosciences Student Computer Laboratory and the Ralph O. Fullerton Laboratory for Spatial Technology. The student computer laboratory is equipped with high-end workstations, scanners and printers. The Ralph O. Fullerton Laboratory for Spatial Technology has 15 high-end workstations, 42-inch-wide Calcomp scanner, 42-inch-wide HP Designjet printer/plotter, network storage system, survey-grade Trimble GeoExplorer GPS equipment, and photogrammetrically-calibrated digital cameras. Software packages include ESRI ArcGIS, ERDAS Imagine, ENVI, PhotoModeler Scanner photogrammetry program, eCognition, LP360 LIDAR analysis program, and Trimble Pathfinder Office. The Ralph O. Fullerton Laboratory for Spatial Technology also serves as the headquarters for the MTSU-Geospatial Research Center. Also available are small-format aerial photography platforms, and virtual reality equipment.

Students can gain practical experience in the use and application of geospatial techniques through a variety of sponsored research and production projects, and internships.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Middle Tennessee State University is on the semester plan. Admissions requirements are listed in the current catalog, which may be obtained as indicated above. Financial aid information may be obtained from mtsu.edu/financial-aid.

FACULTY:
Jeremy W. Aber, Ph.D., Kansas State University, 2012, Assistant Professor — GIS, cartography, small-format aerial photography, virtual geographics, video games
Mark J. Abolins, Ph.D., California Institute of Technology, 1999, Professor — structural geology, tectonics
Patricia Boda, Ph.D., University of Minnesota, 2008, Associate Professor — GIS, cartography, environmental issues and concerns, sustainability, biogeography
J. Warner Cribb, Ph.D., Ohio State University, 1993, Department Chair, Professor — mineralogy, igneous petrography
Racha El Kadiri, Ph.D., Western Michigan University, 2014, Assistant Professor — hydrology, hydrogeology, remote sensing, GIS, natural hazards, data mining
Clayton D. Harris, Ph.D., Indiana University, 1992, Associate Professor — sedimentology, oceanography, environmental geology
James A. Henry, Ph.D., University of Kansas, 1978, Professor — physical geography, climatology/meteorology, remote sensing, regional geomorphology of the United States
Melissa Leboegeier, Ph.D., James Cook University, 2001, Associate Professor — paleontology, marine geology
Henrique G. Monm, Ph.D., University of Mississippi, 2008, Director, MTSU-Geospatial Research Center, Assistant Professor — remote sensing, GIS, watershed physical processes, machine learning, geoinformatics, geomorphometry
Ronald L. Zawislak, Ph.D., University of Wyoming, 1980, Professor — geophysics, structural geology, mathematical and computer techniques in geology

LECTURERS AND ACADEMIC PROFESSIONALS:
Alan Brown, M.S., Illinois State University, 2002, Lecturer — hydrogeology, field work, vertebrate paleontology
Laura R. Collins, M.S., Mississippi State University, 2005, Lecturer — Earth science, geology
Michael W. Hiett, M.S., University of Kentucky, 1995, Lecturer and Earth Science Lab Coordinator — Earth science, geology
Zada Law, M.A., University of Wisconsin, 1980, Director, Ralph O. Fullerton Laboratory for Spatial Technology — GIS
UNIVERSITY OF MEMPHIS

DEPARTMENT OF EARTH SCIENCES
DATE FOUNDED: 1925 (Merged with Geological Sciences in 2002)

DEGREES OFFERED: B.A., Earth Sciences, Geography concentration; M.S., Earth Sciences, Geography concentration; M.A., Earth Sciences; Ph.D., Earth Sciences

GRANTED 8/22/15-8/22/16: Earth Sciences 20 Bachelors, 18 Masters, 5 Geographic Information System Certificates, 5 Ph.D.

CHAIR: Dr. Daniel Larsen

PROGRAMS AND RESEARCH FACILITIES: The Department of Earth Sciences offers B.A. degrees in Earth Sciences with concentrations in Archaeology, Geography, and Geology. We offer M.S. degrees in Earth Sciences with concentrations in Archaeology, Geography, Geology and Interdisciplinary Studies, a non-thesis M.A. degree in Earth Sciences and a Ph.D. in Earth Sciences. A graduate certificate is offered in Geographic Information Systems, which is available to all graduate students on campus and nearby Colleges. The Certificate program offers online GIS courses. Earth Sciences at the University of Memphis provides an interdisciplinary undergraduate program where students take one or more courses in each of the disciplines, but achieve the concentration requirements by focusing coursework in a specific area. The University of Memphis is known for its extensive internship programs and for the Helen Hardin Honors program, one of the largest Honors programs in the state of Tennessee. Earth Science faculty encourages students to take advantage of these programs and explore research opportunities in the undergraduate program. The graduate program emphasizes applied Earth Sciences research, and is especially well suited for students who are interested in teaching. Students are offered a range of career opportunities in the field of Earth Sciences.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The University of Memphis is on a semester plan. Information regarding admission to the University is available at http://www.memphis.edu/admissions/ or contact Office of Admissions, University of Memphis, 101 Wilder Tower, Memphis, TN. Financial Aid information may be obtained from the Office of Financial Aid, 103 Wilder Tower, University of Memphis, Memphis, TN 38152 (http://www.memphis.edu/financialaid/).

UNIVERSITY OF TENNESSEE, KNOXVILLE

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1914

GRADUATE PROGRAM FOUNDED: 1928

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

GRANTED 7/1/2015-06/30/2016: 26 Bachelors, 10 Masters, 7 Ph.D.

STUDENTS IN RESIDENCE: 102 Majors, 7 Masters, 29 Ph.D.

NOT IN RESIDENCE: 2 Masters, 7 Ph.D.

HEAD: Derek H. Alderman

ASSOCIATE HEAD: Ronald V. Kalafsky

DIRECTOR OF GRADUATE STUDIES: Micheline van Riemsdijk

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://geography.utk.edu/.
PROGRAMS AND RESEARCH & OUTREACH FACILITIES:

UNDERGRADUATE: Geography, in the College of Arts and Sciences, offers a B.A. degree with five concentrations or specializations from which the student can choose: (1) Geospatial Science and Technology; (2) Landscapes and Environments; (3) Climate and Climate Change; (4) Space, Society, and Culture; and (5) World Cities and Economies. The major emphasizes the breadth of the discipline with concentrations allowing students to assemble a mix of courses and skills uniquely suited to their interests and career needs. Skills required include GIS, field and lab techniques, and expertise 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 GIS and Geovisualization, a senior “Practicing Geography” capstone seminar, a methods course, and concentration-related courses. The Geography Building (BGB) is centrally located near other natural science departments and various University resources. Both the University and Department computer labs contain a wide array of GIS, remote sensing, and statistical software. The BGB houses GIS and Remote Sensing facilities; a GIS Outreach and Public Engagement Laboratory; the Tennessee Geographic Alliance; and Remote Sensing facilities; a GIS Outreach and Public

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) and Twitter (@UTKGeography).

The Burchfiel Geography Building (BGB) is centrally located near other natural science departments and various University resources. Both the University and Department computer labs contain a wide array of GIS, remote sensing, and statistical software. The BGB houses GIS and Remote Sensing facilities; a GIS Outreach and Public Engagement Laboratory; the Tennessee Geographic Alliance; 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 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; geocomputation 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. 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 & OUTREACH FACILITIES: The Burchfiel Geography Building (BGB) is centrally located near other natural science departments and various University resources. Both the University and Department computer labs contain a wide array of GIS, remote sensing, and statistical software. The BGB houses GIS and Remote Sensing facilities; a GIS Outreach and Public Engagement Laboratory; the Tennessee Geographic Alliance; 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 the Oak Ridge National Laboratory.

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. Any person whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). A minimum score of 550 on the paper test or 80 on the Internet-based test typically with a score of 20 on each of the sections of the test (reading, listening, writing, and speaking) is required for admission consideration. For the IELTS, a minimum score of 6.5 is required. The score must be no more than two years old from the requested date of entry. Applicants who have received a degree from an accredited U.S. institution within the past two years are exempt from the TOEFL requirement. Admission to the geography graduate program is competitive and subject to the availability of space and faculty advisors.

Several types of financial aid are available, including graduate teaching assistantships and associateships that include a stipend and tuition waiver. Research grants and contracts provide additional opportunities for support. Graduate research assistantships, 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. Highly qualified PhD applicants might be eligible for a Chancellor Fellowship that supplements graduate teaching assistantship stipends.

FACULTY:

Derek Alderman, Ph.D., 1998, Professor — cultural, historical, public memory, American South, tourism, race
Kelsey N. Ellis, Ph.D., 2010, Assistant Professor — climatology, meteorology, atmospheric hazards, human-environment interaction
Ronald A. Foresta, Ph.D., 1979, Professor — urban revitalization, landscape and ideology, Latin America
Henry D. Grissino-Mayer, Ph.D., 1995, Professor — global change, biogeography, dendrochronology, climatology, forest ecology
Sally P. Horn, Ph.D., 1986, Professor — biogeography, quaternary environments, Latin America

FINANCIAL AID:

Several types of financial aid are available, including graduate teaching assistantships and associateships that include a stipend and tuition waiver. Research grants and contracts provide additional opportunities for support. Graduate research assistantships, 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. Highly qualified PhD applicants might be eligible for a Chancellor Fellowship that supplements graduate teaching assistantship stipends.

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Sally P. Horn, Ph.D., 1986, Professor — biogeography, quaternary environments, Latin America
Yingjie Hu, Ph.D., University of California - Santa Barbara, 2016, Assistant Professor — GIScience, geospatial semantics, spatial data mining, information retrieval
Ronald V. Kalafsky, Ph.D., SUNY at Buffalo, 2002, Professor — economic geography
Hyun Kim, Ph.D., Ohio State University, 2008, Assistant Professor — transportation, telecommunications, geographic information science, spatial optimization and modeling
Yingkai Li, Ph.D., Peking University, 2001, Associate Professor — geomorphology and paleo-climate reconstruction, Cosmogenic nuclides, GIS/spatial analysis, Tibetan Plateau and Tian Shan
Isabel Solange Muñoz, Ph.D., University of Texas-Austin, 2014, Assistant Professor — Latin America, urban geography, immigration, race and ethnicity, social movements
Nicholas Nagle, Ph.D., University of California - Santa Barbara, 2005, Associate Professor — spatial analysis, population geography, urban geography
Paulo Raposo, Ph.D., Pennsylvania State University, 2016, Assistant Professor — cartography, GIS, map generalization
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, Associate 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:
Kurt Butefish, M.S., University of Tennessee, 1986, Coordinator of Tennessee Geographic Alliance — geographic education, curriculum
Michael Camponovo, M.S., University of New Mexico, 2013, GIS Outreach Coordinator — GIS, volunteered geographic information, natural hazards
Nathan McKinney, M.S., University of West Florida, 1986, GIS Labs Manager — applied GIS, web mapping, environmental science, hazards, coastal science, field methods

ADJUNCT FACULTY:
Maria Caffrey, Ph.D., University of Tennessee, 2011, Adjunct Assistant Professor — paleo-environmental reconstruction, palynology, quaternary environments
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
Carol P. Harden, Ph.D., Colorado, Boulder, 1987, Professor Emeritus — geomorphology, watershed dynamics, Latin America
Lydia Mihelic Pulsipher, Ph.D., Southern Illinois, 1977, Professor Emeritus — historical, cultural ecology, sustainable development, gender, critical theory
Bruce A. Ralston, Ph.D., Northwestern, 1976, Professor Emeritus — transportation and location, diffusion theory, geographic information science

TEXAS

AUSTIN COMMUNITY COLLEGE

FOR FURTHER INFORMATION WRITE TO: Don Jonsson at 512-223-4051 or djonsson@austincc.edu

PROGRAMS:
Associate of Arts (A.A.) in Geography
Associate of Science (A.S.) in Geography

TARLETON STATE UNIVERSITY

DEPARTMENT OF SOCIAL SCIENCES – GEOGRAPHY PROGRAM

DATE FOUNDED: 2016

DEGREES OFFERED: B.S. in Geography/Geographic Information Systems

MAJORS: 5 Undergraduate Geography/GIS

CHAIR/PROGRAM COORDINATOR: Dr. Kelly Lemmons and Dr. Opeyemi Zubair

PROGRAM ADMIN. ASSISTANT: Jeannie Vazquez

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Social Sciences, Box T-0660, Tarleton State University, Stephenville, Texas 76402. Telephone (254) 968-9021. Fax (254) 968-9784. E-mail: lemmons@tarleton.edu. Internet: http://www.tarleton.edu/degrees/bachelors/bs-geographic-information-systems

PROGRAMS AND RESEARCH FACILITIES: The Department of Social Sciences at Tarleton State University offers undergraduate majors in Geography/Geographic Information Systems the opportunity to join faculty in their research in geospatial analysis and human geography. The program is student-focused, with a special emphasis on applied research as it relates to Geographic Information Systems/Remote Sensing and Human Geography. Students in the program are offered many opportunities and financial support to present the results of their undergraduate research at numerous meetings. This degree program emphasizes on graduating students on time! Our courses are taught on a rotation, providing students with the flexibility of having most of the required courses taught at least once a semester, and often times twice a semester.
ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Admission to the undergraduate major program in Geography/GIS is the same as that for admission to the College of Liberal & Fine Arts: http://www.tarleton.edu/admissions. Specifically, the Bachelor of Science in Geographic Information Systems (GIS) is a 120 (4 years) credit hour program which teaches students how to think geographically, how to use geographic computer software programs (such as ArcGIS), and how to create maps and databases to solve contemporary world issues such as global climate change and resource management. A teacher certification option is available in the program to teach at the secondary level.

FACULTY:
Kelly Lemmons, Ph.D., Texas A&M University, 2014, Assistant Professor — Human Geography, Geography of Travel, International Experience, and Study Abroad, GIS
Opeyemi Zubair, Ph.D., University of Missouri-Kansas City, 2016, Assistant Professor — Applied Geography, GIS, Remote Sensing, Cartography, Landscape Modeling, Human-Environment Interactions, Wetlands

ADJUNCT FACULTY:
Connie Brownson, M.S., Texas State University — Human Geography, Military Geography
John Martins, M.S., Plattsburgh State University — Human Geography, Navigation, Military Geography

TENNESSEE 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 9/1/15-8/31/16: 38 Bachelors, 8 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 296 Majors, 24 Masters, 23 Ph.D.

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: kelrod@tamu.edu. Web: http://geography.tamu.edu/. Online catalog can be obtained from Admissions, at http://catalog.tamu.edu/. An application is available on line 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 Geospatial 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 transcripts (Ph.D. only). GRE scores (verbal and quantitative), three letters of recommendation and a statement of purpose. Applications for Fall should be submitted by January 1st, 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:
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
Rodrigo J. Bombardi, Ph.D., University of California, 2013, Assistant Professor — climatology, monsoon systems, regional and global climate modeling, and predictability studies
Christian Brunstrom, Ph.D., Wisconsin, 1998, Professor and Associate Dean for Undergrad and Faculty Affairs — 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
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, Associate Professor — synoptic climatology, surface-atmosphere interactions, climate change
John R. Giardino, Ph.D., P.G., Nebraska, 1979, Professor in 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)
Burak Güneralp, Ph.D., Illinois, Urbana-Champaign, Assistant Professor — urbanization and global environmental change, urban land-use change, interactions between socio-economic and biophysical systems, systems modeling, remote-sensing applications
Inci Guneralp, Ph.D, Illinois, Urbana-Champaign, Associate Professor — fluvial geomorphology, lowland rivers, spatio-temporal modeling, human impact on fluvial systems
Daikwon Han, Ph.D., SUNY-Buffalo, 2003, Associate Professor — Spatial Epidemiology, Environmental Health/Exposure Assessment, Health GIS and Geography (joint appointment with Epidemiology and Biostatistics, School of Public Health). Wendy Jepson, Ph.D., UCLA, 2003, Professor — land-use and land-cover change, political ecology, economic geography, water resources, environmental justice, Latin America
Andrew G. Klein, Ph.D., Cornell, 1997, Professor and Undergraduate Program Director — remote sensing, GIS, glacial geomorphology, cryosphere, hydrology
Charles W. Lafon, Ph.D., Tennessee, 2000, Professor and Assistant Department Head — biogeography, vegetation dynamics
Julie Losièl, Ph.D., Lehigh University, 2012, Assistant Professor — climate change ecology, paleoclimate reconstructions, high-latitude ecosystem dynamics, peatland carbon cycling, global biogeochemical cycling.
Kathleen O’Reilly, Ph.D., Iowa, 2002, Associate Professor and Graduate Director — political/cultural ecology, gender, water resources, South Asia, queer studies
Wendy W. Patzwitsch, Ph.D., Texas A&M University, 2007, Instructional Assistant Professor — historical geography, Texas water resources
Erik Proat, Ph.D., University of Texas, 2001, Instructional Assistant Professor — cultural and political geography
David P. Rechless, Ph.D., Penn State University, 2015, Assistant Professor — including climate change, cartography, and hazards
E. Brendan Roark, Ph.D., California, Berkeley, 2005, Associate Professor and Director of Environmental Programs — paleoceanography, geochemistry, earth system sciences, corals, deep-sea corals
Jonathan M. Smith, Ph.D., Syracuse, 1991, Professor — cultural, historical, and political geography of the United States
Vatche P. Tchakerian, Ph.D., UCLA, 1989, Professor — desert and coastal geomorphology, aeolian environments, Quaternary (joint appointment with Geology and Geophysics)
Courtney M. Thompson, Ph.D., University of Idaho, 2016, Assistant Professor — studying human-environment geography, examining natural hazards impacts on society through the use of vulnerability and resilience assessments, GIS and spatial statistics

EMERITI FACULTY:
Robert S. Bednarz, Ph.D., Chicago, 1975, Professor Emeritus — spatial thinking and cognition, geographic education, economic, urban, property value, taxation
Sarah W. Bednarz, Ph.D., Texas A&M, 1992, Professor Emerita — geography education, human geography, curriculum development, environmental education, GIScience and education, education for sustainable development

Peter J. Hugill, Ph.D., Syracuse, 1977, Professor Emeritus — cultural/historical, political, world system theory, landscape, Anglo-America
Clairissa T. Kimber, Ph.D., Wisconsin, 1969, Professor Emerita — plant geography, sustainable agriculture, Caribbean
James B. Kracht, Ph.D., Washington, 1971, Professor Emeritus — geographic education, curriculum development, urban, United States

AFFILIATED AND GRADUATE FACULTY:
Jeremy Johnson, Ph.D., Texas A&M University, 2016, Visiting Assistant Professor — geography and reaction and tourism
John Lauermann, Ph.D., Clark University, 2015, Visiting Assistant Professor — urban/economic geography, political economy, urban policy
Jim Norwine, Ph.D., Indiana State, 1971, Regents Professor, Texas A&M University-Kingsville, Kingsville, TX — climate, philosophy of geography
Thor Ritt, Ph.D., Syracuse University, 2016, Visiting Assistant Professor — GIS applications, focus on race, colonial struggle, and sovereignty
Douglas J. Sherman, Ph.D., Toronto, 1983, Professor and Chair, University of Alabama — geomorphology, coastal and aeolian environments.
John D. Vitic, Ph.D., University of Iowa, 1973, Department of Geology and Geophysics Professor — periglacial geomorphology, earth science education

TEXAS CHRISTIAN UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 2016

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

GRANTED 9/1/15-8/15/16: 7 Bachelors

MAJORS: 30 majors

CHAIR: Ben Tillman

DEPARTMENT ADMINISTRATIVE ASSISTANT: Dana Summers

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Benjamin F. Tillman, Department Geography, TCU Box 297280, Fort Worth, Texas 76129, Telephone (817) 257-4377. Fax (817) 257-5650. E-mail: b.tillman@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 for the B.A. degree and 42 hours for the B.S. degree. Required courses include World Regional Geography, Human Geography, and GIS. Students 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. Field trips are a component of most upper-division geography courses and summer study abroad programs are available.

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:
Ashley Coles, Ph.D., University of Arizona, 2013, Assistant Professor — human-environment interactions, hazards, development, science and technology studies, and Latin America
TENSA 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, Ph.D. in Geographic Information Science, Ph.D. in Geographic Education

GRANTED 9/1/15-8/31/16: 210 Bachelors, 23 Masters, 5 Ph.D.

STUDENTS IN RESIDENCE: 664 Majors, 63 Masters, 57 Ph.D.

CHAIR: Alberto Giordano
ASSOCIATE CHAIR: Ronald Hagelman

PROGRAM COORDINATORS: Brian Cooper, Undergraduate Program Coordinator; Stella LoPachin, Staff Undergraduate Administrative Assistant; Yongmei Lu, Graduate Program Coordinator; Allison Glass, Staff Graduate Advisor

DEPARTMENT ADMINISTRATIVE ASSTS: Angelika Wahl, Office Manager; Joyce Wilkerson, 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, Undergraduate Admissions Office, Texas State University, San Marcos, Texas 78666; Brian Cooper (BC31@txstate.edu) Undergraduate Program Coordinator; or Stella LoPachin (SL15@txstate.edu), Staff Undergraduate Administrator; 3) about graduate programs: Yongmei Lu (YL10@txstate.edu), Graduate Program Coordinator, or Allison Glass (AM13@txstate.edu), Staff Graduate Advisor. Telephone (512) 245-2170. Fax (512) 245-8353. Website: www.geo.txstate.edu (for 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 offers 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 general, cultural, historical, Latin America — applied economic, urban, North America — applied environmental geography, geographic information science, or 4) 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.: Ph.D. in geography, geographic information science, and 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 National Center for Research in Geography Education (Co-Directors Richard Boehm, RB03@txstate.edu and Michael Solem, MS32@txstate.edu), the Texas Center for Geographic Information Science (Director Nate Currit, NC17@txstate.edu), and the Institute for Government Innovation (Director Rebecca Davison, R_D17@txstate.edu). The University is a member of the University Consortium for Geographic Information Science (UCGIS) and the University Corporation for Atmospheric Research (UCAR).

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 Website 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: 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, three letters of recommendation, resume, 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 applicants who are non-native speakers of English.

All applicants must submit official GRE scores. Applications must arrive at the Graduate College 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. Students are still responsible for in-state tuition and fees. 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, M.S.: 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 coursework in geography or a closely related field, and submit three letters of recommendation, curriculum vita, 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 applicants who are non-native speakers of English. No conditional admissions are accepted.

All application materials must be submitted to the Graduate College 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. Students are still responsible for in-state tuition and fees. For full consideration for assistantships, applications should be received by January 15. 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:

Richard W. Dixon, Ph.D., Texas A&M, 1996, Professor
Richard A. Earl, Ph.D., Arizona State, 1983, Professor
Brian Cooper, Ph.D., Texas State, 2012, Senior Lecturer
Nathan Currit, Ph.D., Pennsylvania State, 2003, Associate Professor
Lawrence E. Estaville, Ph.D., Oklahoma, 1984, Professor — ethnic, business, geographic education
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 and Associate Chair — 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, qualitative methods

Donald A. Huebner, Ph.D., Texas at Austin, 2002, Senior Lecturer — geographic education, geospatial technologies for education, assessment in geography
Suzon Jannnes, Ph.D., Strasbourg, France, 2009, Senior Lecturer — climate, geophysics
Jennifer Jensen, Ph.D., Idaho, 2009, Associate Professor — Lidar, remote sensing, biogeography, land use/land cover change
Injeong Jo, Ph.D., Texas A&M, 2011, Assistant Professor — geographic education, geospatial technologies for education, assessment in geography
Jason Julian, Ph.D., North Carolina, 2007, Associate Professor — water resources, environmental services, fluvial geomorphology
Neal Kucera, J.D., Houston, 1986; M.A.G., Texas State, 2001, Lecturer — environmental law, energy and resource management

Mohan Kulkarni, Ph.D., Southern Illinois University Carbondale, 2000, Professor of Practice and Meadows Endowed Chair in Water Conservation — water conservation and efficiency, water supply planning and policy, watershed planning

Yongsil Ku, Ph.D., SUNY at Buffalo, 2001, Professor — GIScience, urban and regional studies, crime, health, China and East Asia
Kimberly Meitzen, Ph.D., South Carolina, 2011, Assistant Professor — fluvial processes, geomorphology, river basin management, biogeography

Osvaldo Muniz, Ph.D., Tennessee, 1991, Professor — geographic education, Latin America, online learning methods, global collaboration, international flows
Andrew Sansom, Ph.D., Texas State, 2013, Professor of Practice — water resources, parks and protected places, conservation leadership

Eric Sarmiento, Ph.D., Rutgers, 2015, Assistant Professor — nature/society analysis, urban, cultural
Alexander Savelyev, Ph.D., Pennsylvania State, 2015, Assistant Professor — geovisualization of textual information, social media, cartography
Andrew Scott, Ph.D., Texas A&M, 2016, Associate Professor — geology, structural geology

Dolores van der Kolk, Ph.D., Texas at Austin, 2016, Senior Lecturer — geology, structural geology

Yongmei Lu, Ph.D., SUNY at Buffalo, 2001, Professor — GIScience, urban and regional studies, crime, health, China and East Asia
Kimberly Meitzen, Ph.D., South Carolina, 2011, Assistant Professor — fluvial processes, geomorphology, river basin management, biogeography

Osvaldo Muniz, Ph.D., Tennessee, 1991, Professor — geographic education, Latin America, online learning methods, global collaboration, international flows
Andrew Sansom, Ph.D., Texas State, 2013, Professor of Practice — water resources, parks and protected places, conservation leadership
Eric Sarmiento, Ph.D., Rutgers, 2015, Assistant Professor — nature/society analysis, urban, cultural
Alexander Savelyev, Ph.D., Pennsylvania State, 2015, Assistant Professor — geovisualization of textual information, social media, cartography
Andrew Scott, Ph.D., Texas A&M, 2016, Associate Professor — geology, structural geology

Dolores van der Kolk, Ph.D., Texas at Austin, 2016, Senior Lecturer — geology, structural geology

Yongmei Lu, Ph.D., SUNY at Buffalo, 2001, Professor — GIScience, urban and regional studies, crime, health, China and East Asia
Kimberly Meitzen, Ph.D., South Carolina, 2011, Assistant Professor — fluvial processes, geomorphology, river basin management, biogeography

Osvaldo Muniz, Ph.D., Tennessee, 1991, Professor — geographic education, Latin America, online learning methods, global collaboration, international flows
Andrew Sansom, Ph.D., Texas State, 2013, Professor of Practice — water resources, parks and protected places, conservation leadership
Eric Sarmiento, Ph.D., Rutgers, 2015, Assistant Professor — nature/society analysis, urban, cultural
Alexander Savelyev, Ph.D., Pennsylvania State, 2015, Assistant Professor — geovisualization of textual information, social media, cartography
Andrew Scott, Ph.D., Texas A&M, 2016, Associate Professor — geology, structural geology
UNIVERSITY OF NORTH TEXAS

DEPARTMENT OF GEOGRAPHY AND THE ENVIRONMENT

DATE FOUNDED: 1901
GRADUATE PROGRAM FOUNDED: 1995

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

GRANTED 9/1/15-8/31/16: 50 Bachelor's, 11 Master's (Geography)

STUDENTS IN RESIDENCE: 129 Bachelor's, 33 Master's (Geography)

CHAIR: Paul F. Hudak

DEPARTMENT ADMINISTRATIVE ASSISTANT: Tami Deaton

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography and the Environment, 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; geospatial technologies and GIS; urban and economic geography; globalisation and development; medical geography and public health; ecosystems geography; geomorphology and geology; and environmental archaeology. Both undergraduate and graduate students also have access to internships; the department has collaborated with 80 government agencies and companies in the Dallas-Fort Worth metropolitan area. In addition to bachelor’s degrees in geography, the department offers minors in geography, geology, and archaeology.

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 and emergency response; environmental archaeology; GIS and remote sensing; coastal processes and geomorphology; ecosystems and water resources; urban and economic geography; coastal geomorphology; and resource and energy governance. The department offers both research and professional master’s degree options.

CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (GIS): The department offers a five-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:

Waquar Ahmed, Ph.D., Clark University, 2007, Assistant Professor — socio-economic impacts and manifestations of capitalism; global governance institutions; corporate power and foreign direct investments; nature-society relations; state-society relations

Ipsita Chatterjee, Ph.D., Clark University, 2007, Associate Professor — economic, cultural, and geopolitical impacts of globalization; urban process under capitalism in relation to class, race, and gender

Pinliang Dong, Ph.D., University of New Brunswick, 2003, 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, Associate Professor — human-environment; energy and resource governance; cultural and political ecology; Latin America and Texas

Paul F. Hudak, Ph.D., University of California, Santa Barbara, 1991, Professor and Chair — environmental monitoring and remediation; geologic hazards; wetlands; water resources; remote sensing

Kent McGregor, Ph.D., University of Kansas, 1982, Associate Professor — meteorology; climatology; water resources; remote sensing

Lisa Nagaoa, 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, Associate 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, Associate Professor — medical geography; GIS programming; computational geography

Harry L. Williams, Ph.D., Simon Fraser University, 1989, Professor — geomorphology; paleo-environmental studies; hurricane impacts

Steven J. Wolverson, Ph.D., University of North Texas, 2007; Ph.D., University of Missouri, 2000, Associate Professor — paleoecology; conservation ecology; zooarchaeology; environmental archaeology

ADJUNCT FACULTY:

Johnny Byers, M.S., University of North Texas, 2008 — earth science; environmental archaeology
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: 09/01/14-08/31/15: 108 Bachelors, 5 Masters, 5 Ph.D.

STUDENTS: 340 Majors, 10 Masters, 19 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@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.A. in Sustainability Studies beginning in Fall 2016, 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 assured 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, Professor — Place Images in the Media; Technologically-Mediated Gathering; Topologies of Communication; Geopolitical Discourses; Formation of Subjectivity

Eugenio Arina, 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 Chair of the Department of Geography and the Environment; Latin America

William E. Doolittle, Ph.D., Oklahoma, 1979, Professor Emeritus of Latin American Studies and Geoarchaeology

Karl W. Butzer, D.Sc., Bonn, 1957, Raymond C. Dickson Centennial Professor — Coastal Geomorphology; Landscape Ecology; 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

Sylvestre Lazzard-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 — GIS/Science; 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. Zona, 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 E. 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. Gillett, 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 Lein, Ph.D., Aarhus U., Denmark, 1993, Research Fellow — Plant geography; Botany; Conservation

Thoralf Meyer, M.Sc, Anhalt University of Applied Sciences, Germany, 1999, Ph.D. University of Virginia, 2014, Lecturer — Land Use Ecology and Land Management; Environmental Science; GIS/Science; African Savanna Ecosystems

Bjorn Skjello, Ph.D., Cornell University, Associate 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 and Dean at the University of Pennsylvania School of Design, 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


Ian R. Manners, D.Phil., Oxford, 1969, Professor Emeritus of Geography (Middle Eastern Studies and Center for Middle Eastern Studies)
UNIVERSITY OF TEXAS AT SAN ANTONIO

DEPARTMENT OF POLITICAL SCIENCE AND GEOGRAPHY
DATE FOUNDED: 1977
DEGREES OFFERED: B.A., M.A. in Geography
GRANTED: 9/1/16 - 5/31/17: 15 B.A., 4 M.A. (program implemented fall 2014)
STUDENTS: 40 majors; 15 minors; 20 Masters
CHAIR: Daniel Engster
GEOGRAPHY PROGRAM COORDINATOR: Richard Jones
GRADUATE PROGRAM COORDINATORS: Andrea Aleman, Nazgol Bagheri, Richard Jones
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 37 hours of courses in the major. The program specializes in cultural, urban, GIS, economic, political, and physical geography, 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 GIS lab in addition to a College-level Critical GIS research laboratory with teaching capabilities, both directed by geography faculty. 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
James Vaughan, Ph.D., Texas State U., 2006, Senior Lecturer — urban planning, resources, physical geography, sustainable urbanism

ADJUNCT FACULTY:
Dean Lambert, Ph.D., U. of Texas-Austin, 1992 — physical geography, Latin America
Matt Melancon, ABD, Texas State U., 2006 — physical geography, conservation, biogeography
Raluca Owens, MA, U. of Texas at San Antonio — introduction to geography, physical geography, cultural geography, geography of Europe
Andrea Hansis-Diarte, MPH, U. of Texas Health Science Center at Houston — medical geography

UTAH

SOUTHERN UTAH UNIVERSITY

DEPARTMENT OF PHYSICAL SCIENCE
DATE FOUNDED: 1897 (Geography courses first offered circa 1989)
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. Associate of Applied Science in CAD/CAM (GIS emphasis)
GRANTED: 3 AAS in CAD/CAM, 5 GIS Certificates (2015-2016), 7 GIS Certificates (2016-2017), 1 BS Engineering Technology CAD/GIS Emphasis
STUDENTS IN RESIDENCE: 5 Geography minors, 22 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., 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://suni.edu/cose/physsci/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 GIS. 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 10.3 with all extensions, several GIS 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, several national monuments, national forests, and state parks.

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 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.S., Ph.D. (Geography); Geographic Information Science M.S.
GRANTED 9/15-8/16: 27 Bachelors, 6 Masters, 2 Ph.D., 2 GIS.MS.

STUDENTS IN RESIDENCE: 123 Bachelors, 28 Masters, 16 Doctoral
NOT IN RESIDENCE: 0 Bachelors, 3 Masters, 1 Doctoral

CHAIR: Andrea Brunelle
DEPARTMENT ADMINISTRATIVE OFFICER: Lisa Clayton

GRADUATE SECRETARY: Pam Mitchell

FOR CATALOG AND FURTHER INFORMATION WRITE TO: University of Utah, Department of Geography, 332 South 1400 East, Room 217, Salt Lake City, Utah, 84112. Telephone (801) 581-8218. Fax (801) 581-8219. Email: pam.mitchell@geog.utah.edu. Website: http://www.geog.utah.edu. Facebook: https://www.facebook.com/uofugeography/.

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 and ecosystems, 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.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. Under the Western Regional Graduate Program, residents of 13 western US states are eligible for in-state tuition while completing the MSGIS. 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 (USGIF) Certificate is one of only fourteen 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 GIS, remote sensing, 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, GPS field data collection, web-based mapping, remote sensing and GIScience, including a full range of ESRI products (including full suite of ArcGIS Platform products), Trimble, 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 using hyperspectral, lidar, and multispectral time series remote sensing data and has a wide array of remote sensing field equipment and software. The Center for Natural and Technological Hazards (CNTH) is a research and teaching laboratory in urban systems, earth science and GIScience as applied to hazards analysis, policy and mitigation. The Utah Geo-Health (UGH) Lab focuses on research and teaching on medical/health geography, public health, and environmental health. The Geospatial Intelligence Research Lab (GIRL) works in all aspects of geospatial intelligence and human security which includes theoretical constructs, quantitative and qualitative approaches, regional analyses, and geographic information technologies, remote sensing, and data mining. The Urban and Sustainability Research Lab has a broad range of coverage, including urbanization, development, inequality, health, land use, and sustainability with extensive use of GIS spatial analysis. The RED Lab (Records of Environment and Disturbance) and Power Paleoecology Lab are two paleoecology labs housing state-of-the-art facilities for studying environmental change from sedimentary records. The Nicol Lab for Quaternary Sedimentology and Geomorphology integrates applied geological techniques, including field-intensive strategic, archaeological and geophysical research using sedimentological techniques, ground penetrating radar and terrestrial LiDAR acquisition and interpretation. The Snow and Ice Lab focuses on studying the climate change aspects of mountain glaciers, ice sheets, and seasonal snow using remote sensing data acquired from satellites, airborne and ground-based systems. The Paelo-Data Lab works with regional and continental scale databases of pollen and peatland sequences to reconstruct information about past climates and ecosystems over the Northern Hemisphere to estimate future global change. We also have strong ties to University of Utah interdisciplinary field, educational, and conference facilities, including Rand Creek Camp, Rio Mio Center, Natural History Museum of Utah Garrett Herbarium, Global Change and Sustainability Center, and Center for High Performance Computing.

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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 $18,000 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 Master’s program are due in the Geography Department no later than January 10. Ph.D. applications are accepted at any time 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 www.geog.utah.edu.

FACULTY:

Simon C. Brewer, Ph.D., Universite’ d’Aix-Marseille I, 2002, Assistant Professor — past and present climate change, paleocology, environmental modeling, data mining and analysis

Andrea Brunelle, Ph.D., University of Oregon, 2002, Professor and Chair — paleocology, disturbance (fire and beetle) history, climate change

Thomas J. Cov, Ph.D., University of California-Santa Barbara, 1999, Professor — environmental hazards, human-environmental systems, emergency management, transportation, and geographic information science

Philip E. Dennison, Ph.D., California-Santa Barbara, 2003, Professor and Director of Graduate Studies — remote sensing of vegetation, hyperspectral, multispectral, and lidar remote sensing, wildfire and climate, vegetation disturbance, and fire safety

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

Andrew M. Linke, Ph.D., University of Colorado-Boulder, 2013, Research Assistant Professor — political geography, political violence, Kenya, spatial statistics, GIS, climate change and conflict

Phoebe B. McNeally, Ph.D., University of Utah, 2008, Research Associate Professor and Director of Digitally Integrated Geographic Information Technologies (DIGIT) Laboratory — GIS, spatial decision support systems, spatial databases, and snow science

Richard Meding, 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 geo

Mitchell J. Power, Ph.D., University of Oregon, 2006, Associate Professor — paleocology, biogeography, historical plant geography, climate history, and fire history from local to global scales

Summer Rupper, Ph.D., University of Washington-Seattle, 2007, Associate Professor — glaciology, climate change, modeling glacier mass balance, ice core analysis, glacier geomorphology

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

Sarah McKenzie Skiles, Ph.D., University of California — Los Angeles, 2014, Assistant Professor — mountain hydrology, snow optics and remote sensing, radiative forcing by light absorbing particles in snow and ice, cryosphere-climate interaction

Neng Wen, Ph.D., Texas State University-San Marcos, 2011, Assistant Professor — medical/health geography, aging, health disparity, healthcare accessibility, environmental exposure, GIS

Ron Wei, Ph.D., Arizona State University, 2013, Assistant Professor — GISScience, 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, Associate Professor – Lecturer - Russia, historical, political, and urban geography

Jord A. Clayton, Ph.D., University of Colorado, 2005, Adjunct Assistant Professor — field methods, hydrology, geomorphology

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

Timothy Edgar, M.S., Utah, Assistant Professor (Lecturer) — Energy/natural resources, sustainability, spatial statistics, remote sensing, GIS and geocomputation

Jack Hamilton, Ph.D., Columbus University, 1991, Adjunct Associate Professor — energy, environment and sustainability

Zachary Lundeen, Ph.D., Utah, Research Assistant Professor and Director of Rio Mesa Center — paleoclimatology, paleocology, water resources

Olu 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

EMERITUS FACULTY:

Genevieve Atwood, Ph.D., Utah, 2006, Adjunct Associate Professor

Donald R. Currey, Ph.D., Kansas, 1969, Professor - Deceased

Albert L. Fisher, Ph.D., Johns Hopkins, 1954, Professor
ENVIRONMENT AND SOCIETY FACULTY:

Jacopo Baggio, PhD, Univ. of East Anglia, 2011, Assistant Professor — networks, social-ecological system modeling and analysis – jacopo.baggio@usu.edu

Shannon Belmont, MS, Univ. of Minnesota, 2009, Lecturer — GIS, water resources research

Roslynn Brain, PhD, Florida, 2008, Associate 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 — social-ecological systems, human dimensions of ecological disturbance and invasion, restoration ecology – mark.brunson@usu.edu

Emily Burchfield, PhD, Vanderbilt Univ., 2017, Assistant Professor — quantitative tools to explore political, ecological and distributional dimensions of climate change and adaptation – emily.burchfield@usu.edu

Steven Barr, PhD, Penn State, 1994, Associate Professor and Extension Specialist — outdoor recreation and nature-based tourism – steve.burr@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, 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

Christopher Lant, PhD, Univ. of Iowa, 1988, Professor and Head — food-energy-water systems, ecosystem services, environmental policy – chris.lant@usu.edu

Christopher Monz, PhD, Colorado State, 2001, Professor — recreation ecology, outdoor recreation and wilderness management – chris.monz@usu.edu

Claudia Radel, PhD, Clark, 2005, Associate Professor — international development, migration, smallholder farming systems, 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

Jordan Smith, PhD, North Carolina State Univ., 2011, Assistant Professor — outdoor recreational behavior and environmental change – jordan.smith@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

DEPARTMENT OF GEOGRAPHY

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Eric Ewert, Chair, Department of Geography, Weber State
VERMONT

UNIVERSITY OF VERMONT

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1966

DEGREES OFFERED: B.A.

GRANTED 9/1/14-8/31/15: 12 Bachelors

STUDENTS IN RESIDENCE: 83 Geography Majors; 33 Geography Minors; 48 Geo-spatial Technologies Minors

CHAIR: Lesley-Ann Dupigny-Giroux

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Geography, University of Vermont, 200 Old Mill, Burlington, Vermont 05405-0114. Telephone (802) 656-2063. Fax (802) 656-3042. E-mail: geography@uvm.edu. World Wide Web <http://www.uvm.edu/~geograph>.

PROGRAMS AND RESEARCH FACILITIES: The department offers a rich program that covers a broad range of subfields within the discipline. The University of Vermont 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:

Lesley-Ann Dupigny-Giroux, Ph.D., McGill University, 1996, Professor and Chair — physical geography, climatology, remote sensing, GIS, hazards, drought, land-surface interactions, climate education, Northeastern North America, Vermont. Vermont State Climatologist


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, Associate Professor — Migration, urban geography, refugees, development and environment, community-based research, India and South Asia

Meghan Cope, Ph.D., University of Colorado, 1995, Professor — urban social geography, gender, race, children’s/youth geographies, historical geography, qualitative research, critical and qualitative GIS

Lesley-Ann Dupigny-Giroux, Ph.D., McGill University, 1996, Professor and Chair — physical geography, climatology, remote sensing, GIS, hazards, drought, land-surface interactions, climate education, Northeastern North America, Vermont. Vermont State Climatologist

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VIRGINIA

GEORGE MASON UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND GEOINFORMATION SCIENCE


UNDERGRADUATE PROGRAMS FOUNDED: 1972 and 2007


DEGREES OFFERED: B.A. and B.S. in Geography; 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 partially online program), Data Journalism

GRANTED 9/1/16-5/31/17: 15 Ph.D. in Earth Systems and Geoinformation Sciences, 11 M.S. in Geographic and Cartographic Sciences, 1 M.S. in Earth Systems Sciences, 13 M.S. in Geoinformatics and Geospatial Intelligence, 24 B.A./B.S. in Geography, 2 B.S. in Global and Environmental Change

MAJORS (2016-2017): 74 Geography; 7 Global and Environmental Change; 50 Geographic and Cartographic Sciences, 35 Geoinformatics and Geospatial Intelligence; 2 Earth Systems Science; 83 Earth Systems and GeoInformation Sciences, 17 Graduate Certificates

CHAIR: Anthony Stefanidis

DEPARTMENT MANAGER: Samantha Cooke

FOR FURTHER INFORMATION: http://cos.gmu.edu/ggs, 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 evening. Prospective students are encouraged to take full or part-time courses. Prospective students should present a course in statistics or spatial analysis prior to full admission.

Applicants for the M.S. in Geographic and Cartographic Sciences (GECA) program should have a baccalaureate 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 (GEIO) 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 Geoinformatics 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 Ph.D. 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; 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 GECA 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, College of Science, 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

Barry N. Hauck, Ph.D., University of Michigan, 1977, Professor — physical, environmental, remote sensing, development

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

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

Antony Stefanidis, Ph.D., The Ohio State University, 1993, Professor and Chair, Director of Center for Geospatial Intelligence — image and video analysis, social media analysis, volunteered geographic information, geospatial intelligence

Donglian Sun, Ph.D., University of Maryland, College Park, 2003, Associate Professor — remote sensing, algorithm development, numerical modeling simulation

David W. Wong, Ph.D., State University of New York, Buffalo, 1990, Professor — spatial analysis and statistics, GIS, population, public health

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, College of Science, 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

Barry N. Hauck, Ph.D., University of Michigan, 1977, Professor — physical, environmental, remote sensing, development

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

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

Xiaohui Wu, Ph.D., Shanghai Jiao Tong University, 2006, Associate Professor — volunteered geographic information, geospatial/spatiotemporal data modeling, photogrammetry

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, visualization

Anthony Stefanidis, Ph.D., The Ohio State University, 1993, Professor and Chair, Director of Center for Geospatial Intelligence — image and video analysis, social media analysis, volunteered geographic information, geospatial intelligence

Donglian Sun, Ph.D., University of Maryland, College Park, 2003, Associate Professor — remote sensing, algorithm development, numerical modeling simulation

David W. Wong, Ph.D., State University of New York, Buffalo, 1990, Professor — spatial analysis and statistics, GIS, population, public health

Chaoxiyi (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

Andreas Zufle, Ph.D., Ludwig Maximilians Universitat Munchen, Germany, 2008, Assistant Professor — data sciences, crowdsourcing, geospatial data modeling
JAMES MADISON UNIVERSITY

GEOGRAPHIC SCIENCE PROGRAM
DEPARTMENT OF INTEGRATED SCIENCE
AND TECHNOLOGY

DATE FOUNDED: 1970
DEGREES OFFERED: B.A., B.S.
GRANTED 9/1/15-8/31/16: 55 Bachelors
STUDENTS IN RESIDENCE: 215 Majors

PROGRAM COORDINATOR: Dr. Mace Bentley
DEPARTMENT ADMINISTRATIVE ASST: Cindi Wilson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Cindi Wilson, Integrated Science and Technology, Geographic Science Program, James Madison University, MSC 4302, Harrisonburg, Virginia 22807. Telephone (540) 568-2799. Fax (540) 568-8741. E-mail: wilsoncf@jmu.edu. Internet: www.gis.jmu.edu

PROGRAMS AND RESEARCH FACILITIES: Geographic Science (GS) at JMU is a vibrant community of professors and students who join together to learn, solve problems, and make a difference in the world. Our program offers a unique, holistic approach: the geographical perspective. Geography emphasizes the examination of the environmental and human processes that shape our planet and our lives; how humans interact with their environment; and, how place matters to environmental, economic and cultural issues.

Geography is a bridge between the social sciences (human geography) and the natural sciences (physical geography). More than this, geography trains students in the latest geospatial technologies – geographic information systems (GIS), earth observation, and other cutting edge tools – to analyze global change. The primary challenges facing our world and humanity in the coming century can be examined and addressed very effectively by the geographical approach.

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 four state-of-the-art computer laboratories used for instruction, research, and applied work. The computer labs include the following geography-related software packages: ArcGIS (through an ESRI site license), TerrSet Geospatial Monitoring and Modeling Software (University site license), QGIS, PCI Geomatica, Trimble Pathfinder Office, eCognition, R, SPSS and others. 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 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, Professor — climatology, human-environment interactions, critical physical geography
Thomas Benzing, Ph.D., Michigan, 1993, Professor — hydrology, water resources
Dudley Bonsal, Ph.D., Minnesota, 2015, Assistant Professor — GIS, cartography, land use/land cover analysis, agent-based modeling, landscape ecology, soundscapes
Zachary Bortolot, Ph.D., Virginia Tech, 2004, Associate Professor — remote sensing, GIS, natural resources
Jennifer Coffman, Ph.D., North Carolina, 2000, Associate Professor — environment, development, political ecology, sociocultural change, East Africa
Mike Deaton, Ph.D., Virginia Tech, 1980, Professor — spatial analysis, statistics, systems modeling
Joy Feenbaugh, Ph.D., Texas Tech, 2007, Assistant Professor — wildlife management, anthropogenic on ecosystems
Amy Goodall, Ph.D., Nebraska-Lincoln, 1999, Associate Professor — biogeography, biodiversity, human-environment interactions
Mary Kinsey, Ph.D., Georgia, 1991, Professor — climatology, environmental, economic and cultural development
Robert Kolvoord, Ph.D., Cornell, 1990, Professor and Dean of the College of Integrated Science and Engineering — environmental GIS
Helmut Kraenzle, Ph.D., Ludwig-Maximilians-University of Munich, 1991, Professor — GIS, spatial databases
David McGraw, JD, Georgetown, 1997, Professor — political geography, environmental law and ethics
Galen Murton, Ph.D., Colorado, 2017, Assistant Professor — development, cultural geography, Tibet and Himalaya Region
Carole Nash, Ph.D., Catholic University 2009, Associate Professor — cultural ecology, landscape, field studies
Maria Papadakis, Ph.D., Indiana, 1991, Professor — population geography, energy and environment, economic development
Wayne Teel, Ph.D., Cornell, 1994, Professor — geography of Africa, sustainability, agroforestry
Henry Way, Ph.D., Kansas, 2008, Associate Professor — cultural, urban and political geography

EMERITI FACULTY
Joseph Eneddy, 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

GEOGRAPHY DEGREES OFFERED: B.A., B.S.; M.A. in Humanities (concentration in Human Geography)

GEOGRAPHY DEGREES GRANTED 6/1/16-5/31/17: 19 Bachelors

GEOGRAPHY STUDENTS IN RESIDENCE: 91 Bachelors; 3 Masters

DEPARTMENT CHAIR: Jonathan Leib

DEPARTMENT ADMINISTRATIVE ASSISTANT: LaToyia Dixon
FOR CATALOG AND FURTHER INFORMATION WRITE TO: For general University information contact the Office of Admissions; for information about the Geography Program contact the Department Chair, 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 and in the Spatial Analysis of Coastal Environments.

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.

Located in the Hampton Roads region of southeastern Virginia, Old Dominion University is a metropolitan research university with a diverse student population of nearly 25,000. The University is a national leader in the study of sea level rise, and the geography program actively participates in both a university-wide Resiliency Collaborative and the Commonwealth of Virginia Center for Recurrent Flooding Resilience. ODU is also the center for geospatial technologies in the Hampton Roads region and houses the Center for Geospatial & Visualization Computing. Research collaborations and internships routinely occur with NASA Langley Research Center, the Virginia Space Grant Consortium, federal and state agencies, municipal governments, and private sector companies.

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
Thomas Allen, Ph.D., UNC-Chapel Hill, 1995, Professor — GIS, spatial analysis, coastal, environmental
Peter Anderson, Ph.D., Utah, 1994, Lecturer — physical, biogeography, natural heritage conservation
Thomas Chapman, Ph.D., Florida State, 2007, Associate Professor — cultural, urban, political, social justice, GIS
Nicole Hatton, Ph.D., South Florida, 2016, Assistant Professor — natural hazards, organizational resilience, environmental justice
Timothy Kidd, M.S., Alabama, 2002, Senior Lecturer — political, cultural, ethnic minorities, Europe
Jonathan Leib, Ph.D., Syracuse, 1992, Professor and Department Chair — political, American South, 'race' and ethnicity, cultural
Hua Liu, Ph.D., Indiana State, 2007, Associate Professor — GIS, remote sensing, urban environmental changes

ASSOCIATED FACULTY:
Zand Bakhtiar, M.A., George Washington, 2015, Adjunct Instructor — GIS

Christine Drake, Ph.D., Rutgers, 1977, Professor Emerita — Asia, Africa, cultural, world resources
Georgeanne Hribar, Ed. D., Nova Southeastern, 2005, Adjunct Assistant Professor — Europe, Russia, cultural, GIS
Heather Jersild, M.S., UC-Davis, 1989, Adjunct Instructor — environmental, cultural
George McLeod, M.S., Old Dominion, 2009, Adjunct Instructor & Assistant Director for Geospatial & Visualization Systems — geospatial technologies
Donald Ziegler, Ph.D., Michigan State, 1980, Professor Emeritus — urban, Middle East, Latin America

UNIVERSITY OF MARY WASHINGTON

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1959
DEGREES OFFERED: B.A., B.L.S., Certificate in GISc, M.S. in Geospatial Analysis
GRANTED 9/1/16-8/31/17: 33 B.A. Geography, 27 Certificates in GISc, 4 M.S. Geospatial Analysis
MAJORS: 90
CHAIR: Jackie Gallagher

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Jacqueline Gallagher, Chair, Department of Geography, University of Mary Washington, Fredericksburg, Virginia 22401. Telephone (540) 654-1493. Fax (540) 654-1074. E-mail: jgallagh@umw.edu. Internet: http://cas.umw.edu/geography/ and http://cas.umw.edu/gis/masters/

PROGRAMS AND RESEARCH FACILITIES: The University of Mary Washington is a public liberal arts institution with about 4000 undergraduate students. The Geography Department offers a professional master’s of science in Geospatial Analysis (MSGA) and two undergraduate programs: a major in Geography and a Certificate in GISc. The Bachelor of Liberal Studies (BLS) is an adult degree-completion program with a major in Geography. 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. It can be completed in 12-months by full-time students.

The geography major has three areas of emphasis: 1) Community, Development, and Culture; 2) Globalization; and 3) Nature and Society. 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 Middle Eastern Studies. 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 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, VA 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. 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. The MSGA is a 30-credit, 12 month program culminating in a capstone project completed through an independent project. 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.

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 — 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
Marco Millones Mayer, Ph.D., Clark University, 2011, Assistant Professor — GIScience, Remote Sensing, human-environment interactions, policy impact evaluation, risk assessment
Joseph W. Nicholas, Ph.D., University of Georgia, 1991, Associate Professor — geopolitics, 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
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, 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

UNIVERSITY OF RICHMOND

DEPARTMENT OF GEOGRAPHY AND THE ENVIRONMENT

DATE FOUNDED: 2008
DEGREES OFFERED: B.A.
CHAIR: Todd Lookingbill
DEPARTMENT ADMINISTRATIVE ASST: Nancy Propst

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Dr. Todd Lookingbill, Department of Geography and the Environment, University of Richmond, #311 Carole Weinstein International Center, Richmond, Virginia 23173. Telephone (804) 289-8265. Fax (804) 484-1577. E-mail: lookingbill@richmond.edu.
Internet: http://geography.richmond.edu/

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography and the Environment is the University of Richmond’s newest department. Our objective is to cultivate informed and engaged global citizens through an emphasis on integrative problem solving, spatial analysis, and communication skills. Our department bridges the natural sciences, social sciences, and the humanities to provide a better understanding of the earth’s cultural and biological diversity.

Majors and minors complete course work in three areas: (1) human geography; (2) geographical techniques; and (3) physical geography and environmental systems. The department has a state-of-the-art computer facility dedicated exclusively to spatial analysis (http://geography.richmond.edu/spatial-analysis-lab/index.html). Our curriculum highlights active, experiential learning and community engagement. Students are encouraged to study abroad. Internships and independent studies are encouraged throughout the year. Paid summer research fellowships and paid summer internships are available.

The department hosts a chapter of Gamma Theta Upsilon, the International Geographical Honor Society, and a student-run Geographic Club.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: University of Richmond is on a semester plan. Admission requirements are available from the Office of Admissions (http://admissions.richmond.edu/) and financial aid information may be obtained from the Financial Aid Office (http://financialaid.richmond.edu/)

FACULTY:
Mary Finley-Brook, Ph.D., University of Texas, Austin, 2006, Associate Professor — political geography, economic geography, university sustainability, climate policy, Indigenous Peoples, territoriality and land rights, Latin America and the Caribbean
Kimberley Browne, M.S., George Mason University, 1993, Director of the Spatial Analysis Lab and Professor of Practice — GIS, human geography, Middle East
Todd R. Lookingbill, Ph.D., Duke University, 2003, Associate Professor and Chair — landscape ecology, physical geography, natural resources management, parks and protected areas, James River watershed
David S. Salisbury, Ph.D., University of Texas, Austin, 2007, Associate Professor — conservation and development, political ecology, Amazonia, borderlands, cartography

WASHINGTON

CENTRAL WASHINGTON UNIVERSITY

DEPARTMENT OF GEOGRAPHY

FOUNDED: 1935
GRADUATE PROGRAM FOUNDED: 1983
DEGREES OFFERED: B.A., B.S., M.S.
GRANTED 6/01/15 - 5/31/16: 19 Bachelors, 10 Masters
STUDENTS IN RESIDENCE: 69 majors, 28 Masters
NOT IN RESIDENCE: 28 Masters
CHAIR: John Bowen
DEPARTMENT SECRETARY: Monica Reece-Bruya

PROGRAMS AND RESEARCH FACILITIES:

CWU offers both the B.A. and a B.S. in geography. The B.A. is a good choice for students who want flexibility to customize their curriculum beyond the five-course core common to all Geography majors. The B.A. offers broad training that will lead to careers in international affairs and trade, planning, or education. Students pursuing the B.S. may choose either the geographic information science (GIScience) specialization or the environmental and resource geography specialization. The GIScience route provides a suite of skills to process, analyze, and interpret geospatial data and teaches students how to use these skills to solve real-world problems. The environmental and resource geography specialization emphasizes laboratory and field research skills and provides comprehensive, integrated scientific knowledge of Earth systems and their relationship to human societies—especially in the Pacific Northwest. This option gives students a leg up in a wide range of careers, especially natural resource management.

Courses in our program emphasize field learning, both in physical and human geography. Additionally, many of our majors complete internships with public and private organizations in the Pacific Northwest. On campus, the department also maintains a well-equipped Geography Information Systems laboratory that benefits majors from other programs in addition to geography. We also have state-of-the-art labs for work in paleoecology, soil science, and hydrology.

Geography is one of three main departments that support an interdisciplinary M.S. in Cultural & Environmental Resource Management (CERM) degree, providing most of the natural resource component of the program. Details of this program are available at www.cwu.edu/resource-management. 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. Geography is also actively involved in several other interdisciplinary programs, including Asian Studies, Environmental Studies, Integrated Energy Studies, Latino & Latin American Studies, and Public Policy.

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 at the Admissions Office, Central Washington University, 400 E. 8th Ave., Ellensburg, Washington 98926.

Admission to the Resource Management graduate program requires a solid academic background in a relevant field, of which geography is but one possibility and academic recommendations. See www.cwu.edu/resource-management. Assistantships are available to qualified applicants. Central Washington University is an EEO/AA/Title IX Institution.

STAFF:
David Cordner, M.S., Instructional & Classroom Support Technician III

Monica Reece-Bruya, Secretary Senior
Craig Scribner, Ph.D., Systems Administrator

FACULTY:

Kevin Archer, Ph.D., Johns Hopkins University, 1990, Dean of Graduate Studies & Research — social construction/production of nature, globalization

John T. Bowen, Jr., Ph.D., University of Kentucky, 1993, Professor and Chair — economic geography, air transport systems, logistics, Southeast Asia

Elvin Delgado, Ph.D., Syracuse University, 2012, Associate Professor political economy, energy and capitalism, critical resource geography

Holly A. English, M.S., University of Denver, 1998, Senior Lecturer — environmental studies, energy resources

Anthony O. Gabriel, Ph.D., University of Guelph, 1993, Professor — physical geography, biogeography, coastal environments, wetlands

Elaine K. Glenn, M.S., Brigham Young University, 1987, Senior Lecturer — world regional geography, political geography, Russia, Middle East

Robert J. Hickey, Ph.D., University of Idaho, 1994, Professor — GIS and remote sensing, natural resources management, economic geography

Karl D. Lilliquist, Ph.D., University of Utah, 1994, Professor — geomorphology, soils, environmental change, arid lands, mountain environments

Jennifer Lipton, Ph.D. University of Texas, 2008, Associate Professor — geovisual analytics, social aspects of GIS, critical cartography, web mapping approaches

Craig S. Revels, Ph.D., Pennsylvania State University, 2016, Assistant Professor — geovisual analytics, social aspects of GIS, critical cartography, web mapping approaches

Michael Pease, Ph.D., Southern Illinois University, 2008, Associate Professor — arid lands, field methods, water resources, American Southwest

Sterling Quinn, Ph.D., Pennsylvania State University, 2016, Assistant Professor — geovisual analytics, social aspects of GIS, critical cartography, web mapping approaches

Karla Walash, Ph.D., University of Oregon, 2008, Associate Professor — paleoecology, physical geography, Pacific Northwest

EMERITI FACULTY:

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. Halquist, Ph.D., University of Idaho, 1991 — economic geography, GIS, urban geography, computer cartography

Robert Kuhiken, Ph.D., Louisiana State University, 1994 — historical geography, urban and regional planning, cultural ecology, Oceania, North America

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

TO:

PROGRAMS AND RESEARCH FACILITIES:

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Monica Reece-Bruya, Secretary Senior
Craig S. Revels, Ph.D., Systems Administrator

FACULTY:

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Elvin Delgado, Ph.D., Syracuse University, 2012, Associate Professor political economy, energy and capitalism, critical resource geography

Holly A. English, M.S., University of Denver, 1998, Senior Lecturer — environmental studies, energy resources

Anthony O. Gabriel, Ph.D., University of Guelph, 1993, Professor — physical geography, biogeography, coastal environments, wetlands

Elaine K. Glenn, M.S., Brigham Young University, 1987, Senior Lecturer — world regional geography, political geography, Russia, Middle East

Robert J. Hickey, Ph.D., University of Idaho, 1994, Professor — GIS and remote sensing, natural resources management, economic geography

Karl D. Lilliquist, Ph.D., University of Utah, 1994, Professor — geomorphology, soils, environmental change, arid lands, mountain environments

Jennifer Lipton, Ph.D. University of Texas, 2008, Associate Professor — geovisual analytics, social aspects of GIS, critical cartography, web mapping approaches

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EMERITI FACULTY:

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. Halquist, Ph.D., University of Idaho, 1991 — economic geography, GIS, urban geography, computer cartography

Robert Kuhiken, Ph.D., Louisiana State University, 1994 — historical geography, urban and regional planning, cultural ecology, Oceania, North America

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
UNIVERSITY OF WASHINGTON

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1935

GRADUATE PROGRAM FOUNDED: 1935

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

GRANTED 10/1/15-9/1/16: 98 Bachelors, 21 Masters (2 in-residence M.A., 14 online M.GIS), 7 Ph.D.

STUDENTS IN RESIDENCE: 233 Majors, 39 Masters (8 M.A., 33 M.GIS), 25 Ph.D.

NOT IN RESIDENCE: 1 M.A., 5 Ph.D.

CHAIR: Lucy Jarosz

DEPARTMENT ADMINISTRATOR: Sharon Frucci

FOR FURTHER INFORMATION CONTACT: James Baginski, Director of Academic Services, 415 B Smith Hall, Department of Geography, Box 353530, University of Washington, Seattle, Washington 98195. Telephone (206) 543-3246, Fax (206) 543-3313. Email jbag@uw.edu. Comprehensive information on the department is available at: https://geography.washington.edu/. Information about our Professional Master's Program in Geographic information Systems and Sustainability Management is available through the website, http://www.gisonline.uw.edu/

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 Master of Geographic Information Systems for Sustainability Management. www.gisonline.uw.edu/. Our MA and PhD programs are fashioned at the intersection of several broad research specializations. Following the work of the faculty, graduate students are encouraged to think outside the box of any particular ‘adjecitval’ 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, 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 social inequality, 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, East Asia; cross-border regionalism; location theory; labor markets; labor migration (including migrant worker mistreatment and rights); resource distribution; technological change; the relationship between geoconomics 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 geo-neo 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, underdevelopment, with an emphasis on North America, Latin globalization, neoliberalism, regional economic 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. People and their environment; the relationship 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.

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 economy, 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 politicalities and governance of population and environment, 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:

Undergrad: Quarter system. The 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. The Geography M.A. is a two-year program culminating in the writing and defense of an MA thesis. The Geography Ph.D. is a 4-6 year program in which students develop a high level of expertise of one or more specific areas within this discipline. The Ph.D. culminates in the writing and defense of a doctoral dissertation. Admission to the graduate program 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: https://geography.washington.edu/graduate-admissions.

Note: The MGIS for Sustainability Management is administered through Professional and Continuing Education, and has a separate, stand-alone admission process: http://www.gisonline.uw.edu/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
- **Mark Ellis, Ph.D., Indiana, 1988, Professor** — immigration, internal migration and ethnicity, labor markets
- **Sarah Elwood, Ph.D., Minnesota, 2000, Associate Professor** — relational poverty, visuality, critical geographies of technology, mixed 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 and Director of Law, Societies & Justice** — political geography, law and law enforcement, environmental regulation, qualitative methods
- **Lucy Jarosz, Ph.D., UC, Berkeley, 1990, Professor and Chair** — political ecology of agriculture; critical food studies; hunger and poverty; post-colonial, and feminist theory, qualitative methodology, North America
- **Victoria A. Lawson, Ph.D., Ohio State, 1986, Professor and Director of University Honors Program** — 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. Nyerere, 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
- **Meghan 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 Zumbrennen, 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:**

- **Sunil Aggarwal, Affiliate Assistant Professor (also Palliative Medicine Physician and Associate Hospice Medical Director, MultiCare Auburn Medical Center, Auburn, Washington)**
- **Ben Gardner, Affiliate Associate Professor (also Professor Emeritus and Research Professor, University of California Santa Barbara)**

**AFFILIATED AND ADJUNCT FACULTY:**

- **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
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- **Meghan Ybarra, Ph.D. UC, Berkeley, 2010, Assistant Professor** — nature-society relations; postcolonial theory; political ecology; transnational migrations; Latin America
Joseph Hannnah, Affiliate Assistant Professor (also Academic Counselor, Integrated Social Sciences Program, University of Washington) — Political Geography, Critical Geopolitics, Critical Development Studies, Global Food Systems, Globalization, Critical Cartography, Global Health mapping, Geographic Information Systems (GIS), State-society relations and civil society formation in the Global South, Social Justice, Southeast Asia Studies, Vietnam Studies

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

Santiago Lopez, Adjunct Assistant Professor (also School of Interdisciplinary Arts and Sciences, University of Washington Bothell) — GIS, social theory, nature-society relations, Latin America

Jose Antonio Lucero, Adjunct Associate Professor (also Associate Professor, Henry M. Jackson School of International Studies and Chair, Latin American and Caribbean Studies) — Indigenous politics, borders, social movements, comparative politics, Latin American Politics, Politics of Race and Ethnicity, Development, Political and Social Theory

L. Monika Moskal, Adjunct Associate Professor (also Acting Associate Director of the School of Environmental and Forest Sciences, Associate Professor, Remote Sensing and Geospatial Analysis Laboratory (RSGAL), College of the Environment, University of Washington) — GIS, Forestry, Remote Sensing, Environmental Conservation

Britta Ricker, Adjunct Assistant Professor (also Assistant Professor, Urban Studies, University of Washington Tacoma) — health geographies, GIScience, mobile technologies for spatial data collection

James Thatcher, Assistant Professor (also Assistant Professor, Urban Studies, University of Washington Tacoma) — GIScience, software studies, political ecology, and urban studies

WESTERN WASHINGTON UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL STUDIES – GEOGRAPHY PROGRAM
DATE FOUNDED: 1952
GRADUATE PROGRAM FOUNDED: 1964
DEGREES OFFERED: BA in Geography, MA in Environmental Studies and Geography
COMBINED MAJORS: BA in Geography/Social Sciences, BAE Geography-Elementary Education
CERTIFICATES OFFERED: Geographic Information Science
MINORS OFFERED: Geography, Disaster Risk Reduction, Environmental Studies, Geographic Information Science, Sustainable Design
CHAIR: Gigi Berardi
ADMINISTRATIVE MANAGER: Diane Knutson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department of Environmental Studies, Centralized Student Services, 516 High Street – ES 534, Western Washington University, MS-9079, Bellingham, Washington 98225-9085. Undergraduate Advising Telephone (360) 650-2817. Graduate Advising Telephone (360) 650-3646. Fax (360) 650-2842. Department Telephone (360) 650-3277. Fax (360) 650-7702

Internet: https://huxley.wwu.edu/environmental-studies

PROGRAMS:

UNDERGRADUATE: Program offers a well-rounded program covering the fundamentals of human geography, physical geography, and geographic research methods, with an emphasis on environmental geography. Faculty expertise includes economic geography, cultural-historical geography, urban planning, natural hazards planning, biogeography, climatology, soils, agriculture, paleoclimatology, and GIS. Regional specializations include Canada, the American West, and East Asia. Students have access to research facilities including the Spatial Analysis Lab, the Huxley Tree-Ring Lab, the Huxley Soils Lab, the Planning Studio, the Resilience Institute, and the Spatial Institute. The major prepares students to explore a wide variety of career paths including planning, education, environmental agencies and NGOs, business, tourism, GIS, government service, transportation, and many more.

Geography/Social Studies B.A. major meets Washington State requirements for a teaching endorsement and also prepares students to teach in non-traditional settings with or without the additional certification from Woodring College of Education.

Geography – Elementary, BAE program satisfies the academic major requirement for each certification with an endorsement in elementary education and must be accompanied by the professional preparation program in elementary education.

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, Professor — physical and environmental geography, glacial and soils geomorphology, climate change and quaternary history, geoarchaeology

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

Kate Darby, Ph.D., Arizona State University, 2010, Assistant Professor — environmental justice, urban ecology, global food policy, technology and society

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

Nabil Kamel, Ph.D., University of California, Los Angeles, 2004, Assistant Professor — social and environmental justice, post-disaster recovery, political economy of urbanization, sustainable development, critical urban theory, housing and poverty, physical planning, urban design, regional and international development
Tamara Laninga, Ph.D., University of Colorado, 2005, Assistant Professor — urban land use planning and policy, U.S. and state environmental policies and regulations, renewable energy, collaborative decision-making, innovative public involvement strategies, sustainable development, and growth management.

Michael J. Medler, Ph.D., University of Arizona, 1997, Associate Professor — GIS and remote sensing, landscape ecology, biogeography, natural resources management, and outdoor education.

Jean O. Melious, J.D., Harvard, 1984 Professor — environmental policy and environmental law.

John C. Miles, Ph.D., Union Institute, 1979, Professor Emeritus — environmental education and history, outdoor education.

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 health.

Mark Neff, Ph.D., Arizona State University 2009 Assistant Professor — science/policy interface, environmental science and decision-making, science policy, technology and the environment, qualitative and quantitative research methods, science and environmental conflicts, political ecology, science and technology studies, science and culture, medicine, technology, and health.

Paci-Green, Rebekah, Ph.D., Cornell University Assistant Professor — how risk perception shapes social vulnerability and unsafe built environments, comprehensive school safety to natural hazard risks, vulnerable populations, disaster risk reduction, community-defined resilience, and media coverage of science and the media-science interface.

David A. Rosseter, Ph.D., York University, 2005, Associate Professor — cultural-historical geography, political ecology, Canada.

Nick Stanger, Ph.D., University of Victoria B.C. Canada 2014 Assistant Professor — environmental psychology, human-environment connections, climate change behaviour, environmental education, complexity theory, resiliency in human and ecological systems, indigenous world views, mindfulness and ecology, sense of place, and behavioural change within a global citizenship context.

Paul Stangl, Ph.D., University of Texas at Austin, 2001, Associate Professor — urban, cultural, political, and European geography.


Grace Wang, Ph.D., University of Minnesota 1997, Associate Professor — natural resource policy, multicultural perspectives, resource management.

Nicholas Zaferatos, Ph.D., Washington, 1996, Professor — environmental planning, tribal planning.

WEST VIRGINIA UNIVERSITY

MARSHALL UNIVERSITY

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1911
GRADUATE PROGRAM FOUNDED: 1948
DEGREES OFFERED: B.A., B.S., M.A., M.S.

GEOGRAPHY CHAIR: James Leonard

DEPT. ADMIN. SECRETARY SENIOR: Paula Kouns

FOR CATALOG AND FURTHER INFORMATION WRITE TO: James Leonard - Chair, Department of Geography, Marshall University, One John Marshall Drive, Huntington, WV 25755. Telephone: (304) 696-4364. Email: geography@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. At the undergraduate level, students choose the B.S. track focus on a science-based curriculum involving physical geography, GIS/RS, and environmental science. Students who enroll in the B.A. track concentrate on a sequence of courses in human geography and regional geography, and GIS. At the graduate level, the M.A. is non-thesis track and the M.S. is thesis track. The programs are flexible and accommodate 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 hosts well-equipped classrooms, a Physical Geography Laboratory, and a GIS/RS 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 contract employment.

Marshall University’s students benefit from Huntington’s relative location in the Ohio Valley near major urban and industrial development and amidst a varied physical and culture geography. Graduates of the Department of Geography include urban and regional planners, GIS analysts, 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 three 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 and undergraduate students may participate in faculty research projects.

FACULTY:
Kevin Law, Ph.D., The Ohio State University, 2006 — Atmospheric Science.

James M. Leonard, Ph.D., University of Cincinnati, 2001 — Economic/Industrial Geography, GIS, Historical Geography.

Anita Walz, Ph.D., University of Maryland, 2002 — Environmental Studies, GIS.

Vacancy to be filled 2017

Vacancy to be filled 2017
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 and Human-Environment Geography, and Geographic Information Science. The program is supported by 16 tenure track faculty, one Teaching Assistant Professor, one Professor Post-Doctoral Fellow/ clinical Professor Fellow, and several 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 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 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 650 sq.ft. 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:
Martina Careta, Ph.D., Stockholm University — gender, water, landscape, feminist methodologies
Jamison Conley, Ph.D., Pennsylvania State — geographic information science, geocomputation, medical geography
Karen Culcasi, Ph.D., Syracuse — geopolitics, Middle-East, critical cartography
Cynthia Gorman, Ph.D., Rutgers — gender, migration, legal regimes and international human rights campaigns
Jonathan Hall, Ph.D., Ohio State — human impacts on species abundance and persistence
Trevor Harris, Ph.D., Hull, England — GIS, GIS and society, geographic information science, environmental impact assessment, historical geography
Amy E. Hessl, Ph.D., Arizona — biogeography, forest ecosystems, dendrochronology
Insu Hong, Ph.D., Arizona State — Geographic Information Science (Gisci) and spatial optimization
Randall Jackson, Ph.D., Illinois-Urbana — regional science and economic geography
Steven Kite, Ph.D., Wisconsin — geomorphology quaternary stratigraphy, glacial and fluvial geomorphology, geochronology
Eungul Lee, Ph.D., Colorado — climatology, monsoon climates, biosphere and atmosphere interactions
Aaron Maxwell, Ph.D., West Virginia — geospatial education, spatial modeling, machine learning, image analysis
Brent McCasker, Ph.D., Michigan State — land use and livelihoods, vulnerability, Africa
Brenden McNeil, Ph.D., Syracuse — GIS, remote sensing, ecosystem ecology
Maria Perez, Ph.D., Michigan — speleology, national geographies, identities, Americas

Jamie Shinn, Ph.D., Pennsylvania State — political ecology, vulnerability studies, climate change adaptation, Africa
Timothy A. Warner, Ph.D., Purdue — remote sensing
Bradley Wilson, Ph.D., Rutgers — human geography, resource conflict, social movements

EMERITUS FACULTY:
Gregory Elmes, Ph.D., Pennsylvania State — Geographic Information Science, Spatial Analysis of Crime and Policing
Kenneth C. Morris, Ph.D., Michigan — electoral geography, legislative redistricting, voting behavior

WISCONSIN

UNIVERSITY OF WISCONSIN-EAU CLAIRE

DEPARTMENT OF GEOGRAPHY AND ANTHROPOLOGY
DATE FOUNDED: 1947
DEGREES OFFERED: B.A., B.S.
GRANTED 9/15-5/16: 42 Bachelors
MAJORS: 143
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. Web: www.uwec.edu/geography/

PROGRAMS AND RESEARCH FACILITIES: The University of Wisconsin-Eau Claire is the largest undergraduate campus in the state with 10,900 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, three comprehensive geography majors (environmental, transnational, and geospatial analysis and technology), a geospatial certificate, and a geography minor. 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 teaches anthropology courses 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 with double monitors. The department is fully networked and has a full suite of GIS and remote sensing hardware and software products. UWEC Blugold 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 generous endowment (the Simpson fund) provides additional support for programming, professional development, research, high-impact practices and student engagement. The department has 143 majors, 15 minors, and graduates over 30 majors annually.
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 and special projects.

FULL AND PART-TIME FACULTY:

- Ari Anand, Ph.D., Arizona, 2008, Associate Professor — cultural anthropology, language in culture and society, religion, social theory
- Jeff DeGrave, Ph.D., University of Minnesota, Lecturer — human, Latin America, Russia and Eastern Europe
- Douglas Faulkner, Ph.D., Wisconsin, 1994, 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, UAS
- Harry Jol, Ph.D., University of Calgary, 1993, Professor — geomorphology, physical, geoarchaeology, ground penetrating radar, coastal
- Paul Kaldjian, Ph.D., Arizona, 2000, Professor — human, food, Middle East and North Africa
- Garry Running, Ph.D., Wisconsin, 1997, Professor — geomorphology, soils, physical, environmental
- Daniel Strohbehn, Ph.D., Yale, 1994, Assistant Professor — cultural anthropology, North American Indians, anthropology law
- Ingrid Vogeler, Ph.D., Minnesota, 1972, Professor — rural, underdevelopment, United States, Third World
- Ryan Weichelt, Ph.D., Nebraska, 2008, Associate 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, LiDAR
- Ezra Zeitler, Ph.D., Nebraska, 2008, Associate Professor — human, North America, Wisconsin, indigenous, race and ethnicity, tourism, geographic education, cartography

FINANCIAL AID:

- 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 and special projects.

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers a full range of baccalaureate and graduate degrees. At the graduate level, the Department offers Master’s Degrees in geography and in cartography/GIS, the Ph.D. in geography and a one-year professional certificate degree in GIS. The research and teaching interests of the faculty cover all major areas of geographic study, including geographic thought and theory, historical, cultural, urban-economic, political, global and regional studies, political economy, cultural ecology, environmental history, conservation, soils, geomorphology, biogeography, climatology, water resources, cartography, geovisualization, remote sensing and geographic information systems. Our graduate degree programs are built around a relatively small amount of required coursework so as to allow students flexibility in designing programs that meet their particular interests. The department encourages interdisciplinary work. It plays an active role in the university’s area study programs, such as African Studies, Asian Studies, Southeast Asian Studies, European Studies, Russian, East European and Central Asian Studies, and Ibero-American studies, as well as in interdisciplinary programs like Urban and Regional Planning and Landscape Architecture, Environmental Studies, Water Resources, International Studies, and an informal program in Quaternary Studies.

Located in historic Science Hall beside Lake Mendota on the beautiful University of Wisconsin-Madison campus, the Department of Geography offers an unusual variety of facilities for graduate study and research. Also, conveniently within the department we have the Geography Library which holds over 70,000 volumes and electronic resources and the Arthur H. Robinson Map Library. The Department is home to a large Cartographic Laboratory, the Wisconsin State Cartographer’s Office, and maintains Soils and Geomorphology Laboratories and a wide variety of field equipment to support the program in physical geography. A fully equipped Computer Laboratory is available for student work in quantitative analysis, advanced graphics and geographic information systems. A Computer Instructional Facility provides a state of the art learning environment for its courses in quantitative methods, cartography, and GIS. The multi-volume and award winning History of Cartography Project is also housed in Science Hall. A collegial atmosphere in which students work closely with faculty and peers is encouraged, yet, we simultaneously value the initiative of independent scholarship. An important part of departmental life occurs on Friday afternoons, when the entire department gathers to attend invited lectures delivered by visiting scholars, as well as by colleagues from within the department and the university. The Department also actively promotes the professional development of its students.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Undergraduate: Semester plan. The department offers both B.A. and B.S. degrees in geography, and in cartography and GIS. The geography degrees require a specialization in one of the following areas: physical, people-environment interaction, human, or cartography/GIS.

Graduate: Semester plan. The Master’s programs require a minimum of 30 credits of coursework and the successful defense of a thesis, and are normally completed in four semesters. The Ph.D. program requires a minimum of 51 credits of coursework, the completion of a minor and certification of a research skill, such as statistics or a foreign language. Admission to the Master’s degree program requires a bachelor’s degree with a minimum undergraduate grade point average of 3.0, but applicants with less than 3.5 GPA should have particularly strong letters of recommendation and/or Graduate Record Exam scores. Applicants are expected to have a strong background in the
requires a bachelor's degree with a minimum undergraduate grade point average of 3.0. Undergraduate degrees can be in any of the social or physical sciences, or the humanities. No previous experience in geography is necessary. No GRE scores are required.

**Financial aid:** The majority of our graduate students are funded. In many cases, the department is able to offer long-term guarantees of financial assistance, usually five years for students who are starting with a Master's (2 years of funding) and planning on completing a Ph.D. (3 years of funding); and three years for those entering the Ph.D. program directly. The academic year stipend for a teaching assistant currently ranges from $12,956 to $18,067 (depending on level of appointment and teaching experience), plus benefits and remission of tuition. The Department also employs students as project assistants, who either assist staff members in their research or perform work in departmental laboratories and offices. The academic year stipend for a Project Assistant currently ranges from $12,956 to $18,067 (depending on level of appointment) plus benefits and remission of tuition. University Fellowships are available through a competitive program administered by the Graduate School. The department nominates its best applicants for these awards, which include stipend, benefits, and remission of tuition. Advanced Opportunity (Minority) Fellowships are also available. Students in the GIS Certificate and Online Professional Masters in GIS Development programs are not eligible for University funding.

**Faculty:**

**Samer Alatout, Ph.D., Cornell, 2003, Associate Professor, Affiliate** — environmental change, social theories of power and government, Foucault, theories of border, biopolitics, environmental conflict (water resources and the politics of identity), Palestine/Israel and the US/Mexico

Anna Verner Andrezejewski, Ph.D., University of Delaware, 2001, Professor, Affiliate — American art, American material and visual culture, and North American vernacular architecture and landscape history

Waltraud A.R. Brinkmann, Ph.D, Colorado, 1973, Professor, Emeritus — climatology, climate variations, Great Lakes, natural hazards

Ian G. Baird, Ph.D., British Columbia, 2008, Associate Professor — political ecology, upland peoples in mainland Southeast Asia, Lao Studies, human-environment relations, co-management of natural resources, development studies, post-colonial studies, social movements, social theory, identities, boundaries

James E. Burt, Ph.D., UCLA, 1980, Professor, Emeritus — climatology, quantitative methods, GIS

Martin T. Cadwallader, Ph.D., UCLA, 1973, Professor, Emeritus — urban, economic, quantitative analysis

Eric C. Carson, Wisconsin, Associate Professor, Affiliate — quaternary geology and fluvial geomorphology

William Cronn, Ph.D., Oxford 1981, Yale 1990, Frederick Jackson Turner and Vilas Research Professor — environmental history, environmental studies, North America (also History, Environmental Studies)

William Denevan, Ph.D., UC-Berkeley, 1963, Carl O. Sauer Professor, Emeritus — cultural ecology, historical, humid tropics, Latin America

Samuel F. Dennis, Jr., Ph.D., Pennsylvania State University, 2000, Associate Professor, Affiliate — landscape, health and well-being, social dimensions of environmental design at all scales, children, youth and families and the built environment, community design, planning and development, nature-based play and education

Daniel F Doepers, Ph.D., Syracuse, 1972, Professor, Emeritus — social change and social geography of Third World cities, historical, Southeast Asia, China

Greg Downey, Ph.D., John Hopkins, Professor and Dean of College of Letters & Science, Affiliate — history and geography of information/communication technology and labor

Song Gao, Ph.D., UC-Santa Barbara, 2017, Assistant Professor — GIScience, place-based GIS, geospatial big data analytics, high-performance geo-computation, cartography and geovisualization

Holly Gibbs, Ph.D., Wisconsin, 2008, Associate Professor — land-use change, globalization, tropical deforestation, carbon emissions, bioenergy (also Environmental Studies)

Quyning Huang, Ph.D., George Mason, 2011, Assistant Professor — spatial high-performance/grid/cloud computing, cyberinfrastructure, big data mining, social media/networks, large-scale environmental modeling and simulation

Robert Kaiser, Ph.D., Columbia, 1988, Professor and Chair — political and cultural geography, power, place-making and identification practices, bordering space, de- and re-territorialization, East-Central Eurasia

Ken Keefer-Ring, Ph.D., Colorado, 2008, Assistant Professor — biogeography, chemical ecology, plant secondary chemical variation, plant-animal interactions, herbivory, pollination, volatile organic compounds, allelopathy, plant competition, analytical chemistry, terpenoids, phenylpropanoids (also Botany)

Jenna M. Loyd, Ph.D., UC-Berkeley, 2005, Assistant Professor — critical geography, public health, urban studies

Erika Marin-Spiotta, Ph.D., UC-Berkeley, 2006, Associate Professor — biogeochemistry, biogeography, land-use change, physical geography, people-environment

Joseph A. Mason, Ph.D., Wisconsin, 1995, Professor — soils, geomorphology, paleoenvironments

Sarah A. Moore, Ph.D., Kentucky, 2006, Assistant Professor — urban geography, postcolonial studies and development, space and social theory

Phillip C. Muehrcke, Ph.D., Michigan, 1969, Professor, Emeritus — cartographic thought and communication, cartographic visualization

Lisa Naughton, Ph.D., Florida, 1996, Professor — wildlife ecology, political ecology, tropical agriculture, sub-Saharan Africa, Latin America

Kristopher N. Olds, Ph.D., University of Bristol, 1996, Professor — urban, economic, globalization, higher education, Pacific Rim

Robert C. Ostergren, Ph.D., Minnesota, 1976, Professor, Emeritus — cultural, historical, Europe, North America

Matthi Ozbey, Ph.D., Boston University, 2004, Associate Professor, Affiliate — land-use/land-cover conversion, climate change

Morgan Robertson, Ph.D., Wisconsin, 2004, Associate Professor — political ecology, U.S. water policy, environmental markets

Robert E. Roth, Ph.D., Pennsylvania State University, 2011, Associate Professor — cartography, geovisualization, and geovisual analytics

Robert D. Sack, Ph.D., Minnesota, 1970, Clarence J. Glacken and Bascom Professor, Emeritus — political, economic, spatial analysis, geographic thought

Annemarie Schneider, Ph.D., Boston University, 2005, Associate Professor, Affiliate — urbanization, land use change, global environment change, remote sensing and GISScience

Yi-Fu Tuin, Ph.D., UC-Berkeley, 1957, J.K. Wright and Vilas Professor, Emeritus — cultural, attitudes toward environment

Matthew Turner, Ph.D., UC-Berkeley, 1992, Professor — environmental change, cultural ecology, political economy, pastoralism, Africa
Thomson R. Vale, Ph.D., UC-Berkeley, 1973, Professor, Emeritus — biogeography, natural resources, landscape and landscape change, American West
David Ward, Ph.D., Wisconsin, 1963, Chancellor, Emeritus and Professor, Emeritus — historical, urban, social, North America and Europe
Jack Williams, Ph.D., Brown University, 1999, Professor — global environmental change, paleoclimate, climate-vegetation interaction, palyontology (pollen analysis)
Keith Woodward, Ph.D., Arizona, 2007, Associate Professor — social theory, geographies of affect, social movements and social change
Stephen Young, Ph.D., Washington, 2010, Assistant Professor, Geography and International Studies — political-economy, development, globalization, South Asia (also International Studies)
A Xing Zhu, Ph.D., Toronto, 1994, Professor — GIS, machine learning, remote sensing, environmental modeling and natural resource management

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. in Geography/Library and Information Science, Ph.D.
GRANTED 9/1/15-8/31/16: 14 Bachelors, 3 Masters, 3 Ph.D.
STUDENTS IN RESIDENCE: 59 Majors, 18 Minors, 10 GIS Minors, 23 GIS Certificates, 2 Masters, 17 Ph.D.
CHAIR: Mark D. Schwartz mds@uwm.edu
DEPARTMENT ADMINISTRATIVE ASSTS: Niko Papakis npapakis@uwm.edu

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: choiw@uwm.edu Web: www.geography.uwm.edu

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography offers bachelors, minors, certificates, 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 a theme of “Changing Environments”, with 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 phenology, water resources, conservation, natural hazards, 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.

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 AGIS Library (see below); the Cartography and Geographic Information Science Center; and a Soils and Physical Geography Laboratory. PC computer facilities used by the Geography Department for instruction include one workstation lab. 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 & MAC 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 Women’s and Gender Studies Program, 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 Bachelor’s degree is required for admission to the Master’s program; a Master’s 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 or to the online application system. Specific course requirements for both the Master’s and PhD can be obtained from the department. The minimum degree requirements for the Master’s 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 (50% appointment), 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 and Distiguished 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. Master's 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 inequities, women's health
Anne Bonds, Ph.D., Washington, 2008, Associate Professor — political economy, social theory, critical poverty studies, politics of economic development, urban and regional restructuring
Woensu Choi, Ph.D., Illinois-Urbana, 2005, Associate Professor — hydroclimatology, human impacts on water resources, hydrological modeling
Alison Donnelly, Ph.D., Trinity College, 1998, Associate Professor — environmental indicators, climate change, plant and animal phenology, environmental assessment
Glen Fredlund, Ph.D., Kansas, 1992, Associate Professor — biogeography, soils, geomorphology
Rina Ghose, Ph.D., Wisconsin-Milwaukee, 1998, Professor — GIS, urban geography, public participation GIS, GIS and society, North America, South Asia
Jonathan 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 Hollifield, Ph.D., Minnesota, 2007, Associate Professor — environmental geography, environmental justice, science studies and social theory, North America
Anna Mansson-McGinty, Ph.D., Land, 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 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-land interactions, climate change
Kristin Sczarto, Ph.D., Minnesota, 2007, Associate Professor — social movements and spatiality, political geography, population geography

Changshu Wu, Ph.D., Ohio State, 2003, Professor — GIS, remote sensing, spatial analysis methods, urban, transportation
Zengwan Xu, Ph.D., Texas A&M, 2007, Associate Professor — GIS, spatial analysis and modeling, complex networks/systems
Hyjein Yoon, Ph.D., Ohio State, 2008, Assistant Professor — economic geography, urban geography, entrepreneurship, regional innovation systems, urban planning, urbanization

EMERITUS FACULTY:
Donn Haglund, Ph.D., Pennsylvania, 1958, Professor Emeritus
Ludwig Holzner, Dr. rer. nat., Wurzburg, 1964, Professor Emeritus
Judith Kenny, Ph.D., Syracuse, 1990, Associate Professor Emerita
Norman 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 9/1/15-8/31/16: 13 Bachelors

MAJORS: 25

CHAIR: Colin J. Long

DEPARTMENT ADMINISTRATIVE ASST: Melissa Giddings

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 11,900 students with 580 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 Art and Bachelor of Science 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 Science courses 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 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, 24 of which are required courses. The remaining 24 credits can be based on a student’s interest within the department course offerings. Geography minors are required to take 22 credit hours.

FACULTY:

Heike C. Alberts, Ph.D., University of Minnesota, 2003, 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, Associate Professor — soils and stratigraphy, water resources and wetland ecology, geomorphology, palaeoclimate

Manabu Y. S. Coulthard, Ph.D., Southern Illinois University, 2006, Associate Professor — Geographic information science, water resources

John A. Cross, Ph.D., University of Illinois, 1979, Professor — natural hazards, agriculture, United States and Canada

Angela G. Subalava, 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, Professor — paleoecology, fire history, climate change

Edward V. Miller, Ph.D., University of Illinois at Chicago, 2011, Assistant Professor, Director of Urban Planning program — 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

UNIVERSITY OF WISCONSIN-PLATTEVILLE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1959

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

GRANTED 1/1/16-12/31/16: 5 Bachelors

MAJORS: 21

CHAIR: H. Todd Stradford

DEPARTMENT ADMINISTRATIVE ASST: Marsha Weaver

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Geography, 1 University Plaza, Platteville, Wisconsin 53818. Telephone (608) 342-6060. Web: www.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 the western United States and also 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 www.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:

L. Lynnette Dornak, PhD, Kansas, 2012, Assistant Professor — biogeography, GIS, remote sensing

Evan Larson, Ph.D., Minnesota, 2009, Associate Professor — biogeography, dendrochronology, conservation

H. Todd Stradford, Ph.D., Oklahoma, 1994, Associate Professor — rural geography, physical geography, remote sensing, GIS, China, Japan

Christopher Underwood, Ph.D., Tennessee, 2013, Assistant Professor — biogeography, charcoal and pollen analysis, environmental geography

James Valiga, MS, 1987, Wisconsin, Instructor — physical geography, remote sensing

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 GEOGRAPHIC INFORMATION SCIENCE

DATE FOUNDED: 1966

DEGREES OFFERED: B.A., B.S., B.A.S., GIS Certificate

GRANTED 9/5/16-5/21/17: 2 Bachelor Degrees

MAJORS: 15

CHAIR: Charles Rader

DEPARTMENT ASSOCIATE: Kathryn Possehl

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: geography@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 minor in education, 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 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.
The GIS lab is supported by the department. This facility is fully integrated into the curriculum and received a major upgrade summer 2017. Equipment and software include 27 workstations, large and small format color printers, scanners Trimble and Garmin GPS units, ArcGIS, TerraSet, Q-GIS, Adobe Creative Cloud, 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, 2012, Assistant Professor — physical geography
Matthew Dooley, Ph.D., University of Nebraska, 2006, Professor — cartography, geographic information systems, landscape analysis
John Heppen, Ph.D., Louisiana State University, 1998, Professor — political, historical, social, spatial analysis, United States
Charles Rader, Ph.D., Michigan State, 1995, Professor — geographic information systems, cartography, people/environment

UNIVERSITY OF WISCONSIN- STEVENS POINT

DEPARTMENT OF GEOGRAPHY AND GEOLOGY
DATE FOUNDED: 1950
DEGREES OFFERED: B.S.
GRANTED: 9/1/15-8/31/16: 35 Bachelors
MAJORS: 79
CHAIR: David Ozsvath
ACADEMIC DEPARTMENT ASSOCIATE: Mary Clare Sorenson

FOR CATALOG AND FURTHER INFORMATION CONTACT: 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/geog/

PROGRAMS AND RESEARCH FACILITIES: Students can major in either geography or geoscience and may select from minors in earth science, geology, environmental geography, or GIS and spatial analysis. The GIS and spatial analysis minor provides students in related disciplines a strong background in geographic-based techniques. 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 assistancies.

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.


FACULTY:
Kevin P. Heffernan, Ph.D., Duke University, 1992, Professor — structural geography, tectonics, physical geography, 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, Ph.D., University of Wisconsin-Madison, 2014, University of Wisconsin-Madison, Assistant Professor — GIS education, remote sensing, land change science, PPGIS
Christine A. Koeller, M.S., University of Wisconsin-Stevens Point, GIS Faculty Associate — mobile GIS, environmental science, field research
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
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 generalization, mobile GIS
Michael E. Ritter, Ph.D., Indiana University, 1986, Professor — physical geography, distance education, climatology
Lisa J. Theo, ABD, University of Wisconsin-Madison, Instructor — urban/economic geography, historical geography, environmental history, tourism geography, quantitative methods
UNIVERSITY OF WISCONSIN-WHITESTATER

DEPARTMENT OF GEOGRAPHY, GEOLOGY & ENVIRONMENTAL SCIENCE

DATE FOUNDED: 1963
DEGREES OFFERED: B.A., B.S., B.S.E.
GRANTED 6/1/15 - 5/31/16: 43 Bachelors
MAJORS: 43 Geography, 118 Environmental Science
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@uw.edu
Web: http://www.uww.edu/cl/geo/geography-geology

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 can emphasize either Geography or Geology. In addition to minors in both geography, GIS, and geology, two interdisciplinary minors, Environmental Studies and Urban and Area Development, are also housed and administered in the department. The department houses and administers an interdisciplinary Environmental Science major that relies on many courses in physical geography, geology, GIS, and 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 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 geography teaching labs, the department has advanced teaching and research labs, including 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. The Folkher 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:
Prasukh Bhattacharyya, PhD, Minnesota, 2000, 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, 2015, Assistant Professor
— Paleontology, Stratigraphy, Sedimentology, Oceanography
Eric Compas, PhD, UW-Madison, 2008, Associate Professor
— Ecological, Environmental Geography
Rex Hanger, PhD, Berkeley, 1992, Associate Professor
— Political Ecology, Environmental Geography, Private Land Conservation
John Frye, PhD, University of Georgia, 2011, Associate Professor
— Climatology, Meteorology
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
Stephan Levas, PhD, Ohio State, 2012, Assistant Professor
— Aquatic Ecosystems, Marine
Jeff Olson, PhD, Ohio State, 2013, Assistant Professor
— Economic, Land Change, GIS
Andrea Romero, PhD, Kansas, 2013, Assistant Professor
— Ecology, Evolutionary Biology, Mammal Communities
Dale Splinter, PhD, Oklahoma State, 2006, Professor
— Geomorphology, Rivers, Stream Ecology
David Travis, PhD, Indiana, 1994, Professor & College Dean
— Satellite Meteorology, Synoptic Climatology, Mesoscale Climate Change
Jeffrey 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

YOU MUST

UNIVERSITY OF WYOMING

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1966
GRADUATE PROGRAM FOUNDED: 1966
DEGREES OFFERED: B.A., B.S., M.A., M.P.
GRANTED MAY 2017: 9 Bachelors, 3 Masters
STUDENTS IN RESIDENCE: 52 Majors, 16 Masters
NOT IN RESIDENCE: 8 Masters
CHAIR: William J. Gribb
DEPARTMENT ADMINISTRATIVE ASSST: Ms. Sue Benson

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Geography, Dept. 3371, 1000 E. University Ave., University of Wyoming, Laramie, Wyoming 82071. Telephone (307) 766-3311. E-mail: geographydept@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: quantitative or qualitative methods, field techniques, remote sensing, and geographic information systems. The Department is connected with the Wyoming Geographic Information Sciences Center (WyGISC); the director of WyGISc holds a faculty appointment in the Department of Geography. The Department is also affiliated with three other research facilities, the Wyoming Center for Environmental Hydrology and Geophysics (WyCHEG), the Roy J. Shlemon Center for Quaternary Studies, and the Ruckleshaus Institute. Internships are available for all facets of the Department.

**Physical Geography:** Centers on biogeography, climatology (particularly in climate variability), geomorphology, process geomorphology including hydrology, and landscape ecology—especially pertaining to the Rocky Mountain area. Laboratory facilities both within the department and across campus provide opportunities for training in advanced techniques. Courses in allied disciplines are encouraged.

**Spatial Analysis, Information, and Display:** Offers training in field techniques, mapping, GIS, GPS, remote sensing, web-based mapping and drone technologies. Courses in allied disciplines are encouraged.

**Natural Resource Management:** Provides training in resource management in such areas as land use planning, 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 ecology areas for the University’s Ph.D. Program in Ecology. In addition, the Department accepts qualified applicants interested in hydrology and water resources for the University’s Ph.D. Program in Water Resources.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:**

**Academic Plan—M.A., M.P. Plan A, with Thesis or Plan B, with two professional 2sciences or the humanities accepted.** Deficiencies remedied during the graduate program.

**Financial Aid—full-time masters’ level Graduate Assistantships, pay $12,078 plus remission of tuition and fees. Graduate assistantships include both teaching and research assistantships. Applicants for the Ph.D. in Ecology or Water Resources should meet the same standards as for the masters’ program and hold a masters’ degree. The Ph.D. assistantship stipend for a full-time doctoral student is $16,785 plus tuition and fees remission.**

**FACULTY:**

Shannon Albeke, Ph.D., University of Georgia, 2010, Joint Wyoming Geographic Information Science Center/Geography, Associate Research Scientist — spatial ecological data processing and analysis

Yi Ling Chen, Ph.D., Rutgers University, 2000, Joint Global and Area Studies/Geography, Associate Professor — neoliberalism, housing policies, and gender

Nicholas E. Crane, Ph.D., The Ohio State University, 2014, Assistant Professor — political economy of cities, social movements, collective memory, youth culture and young people’s politics, the Americas, qualitative methodology and research design.

William J. Gribb, Ph.D., Michigan State, 1982, Professor and Chair — land resource planning, rural community planning, cultural ecology, computer cartography/GIS.

Jeffrey C. Hummel, Ph.D., University of Colorado - Boulder, 2010, Joint Wyoming Geographic Information Sciences Center/Geography, Research Scientist and Director — geographic information science, spatial decisions support systems, land resource planning.

Paddington Hodza, Ph.D., West Virginia University, 2007, Joint Wyoming Geographic Information Science Center/Geography, Associate Research Scientist — appreciative GIS, geovisualization, social spatial media, and geo-spatial web applications.

Carl J. Legleiter, Ph.D., University of California Santa Barbara, 2008, Adjunct Associate Professor — geomorphology, remote sensing, water resources.

Thomas Minckley, Ph.D., University of Oregon, 2003, Associate Professor — conservation and natural resources, biogeography, and paleoecology.

Zoe Pearson, Ph.D., The Ohio State University, 2016, Global and Areas Studies, Adjunct Assistant Professor — feminist geography, political ecology, Latin American

Jacqueline J. Shinker, Ph.D., University of Oregon, 2003, Associate Professor — climatology, climate change and variability, drought, water resources and paleoclimatology.

Gerald R. Webster, Ph.D., University of Kentucky, 1984, Professor — political, urban, human geography, and planning.

Chen Xu, Ph.D., Texas A&M, 2010, Assistant Professor — volunteered geographic information, big geospatial data analytics, social media, and GISc.

John L. Allen, Ph.D., Clark, 1969, Professor Emeritus — historical, history of geography, environmental studies, landscape change, American West.

William L. Baker, Ph.D., Wisconsin-Madison, 1987, Professor Emeritus — biogeography, landscape ecology, natural resources, conservation, remote sensing, GIS.

Ronald Beiswenger, Ph.D., Michigan, 1972, Professor Emeritus — natural resource conservation, geographic education, biogeography.

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 ALBERTA**

**DEPARTMENT OF EARTH AND ATMOSPHERIC SCIENCES**

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

**GRANTED 7/1/2015-6/30/2016:** 90 B.Sc., 26 B.A., 23 Masters, 12 Ph.D.

**STUDENTS IN RESIDENCE:** 494 Majors (Science and Arts), 69 Masters, 65 Ph.D.

**NOT IN RESIDENCE:** 5 Masters, 10 Ph.D.

**CHAIR:** Stephen T. Johnston

**FOR CATALOG AND FURTHER INFORMATION WRITE TO:** Department of Earth and Atmospheric Sciences, University of Alberta, Edmonton, Alberta, Canada T6G 2E3. Telephone 780-492-3265. Fax 780-492-8190. [http://www.ualberta.ca/eas](http://www.ualberta.ca/eas) E-Mail EAS.Inquiries@ualberta.ca

**PROGRAMS AND RESEARCH FACILITIES:** Individual graduate programs vary with the interests and training of the candidate. Minimum course requirements comprise three single-term courses for M.Sc./M.A. candidates who have completed four-year baccalaureate degrees, and six single-term courses beyond the baccalaureate degree for Ph.D. candidates. A thesis is required of all graduate students. There are no formal language requirements. A one year course-based MSc program in Integrated Petroleum Geoscience is a joint program between the Departments of Earth and Atmospheric Sciences and Physics. Course requirements are 8 core courses and 4 optional courses. A one-year or two-year course-based MSc program in Urban and Regional Planning is offered.

The Department houses laboratories, computing systems and field equipment to support research in various disciplines including Geomorphology, Sedimentology, Geochemistry, Petrology, Climatology, Biogeography, GIS and Remote Sensing. Analytical equipment and facilities relevant to these fields include scanning electron microscope, electron microprobe, powder x-ray diffraction, ion chromatographs, mass spectrometers for stable and radiogenic isotopic analyses, Quadrupole ICP-MS, MC-ICP-MS, an x-ray sdedigraph, an extensive thin section preparation facility, a micro-FTIR and continuum infrared microscope, and extensive research collections. Two Class 100 clean laboratories and several cold rooms are available. There is also a full range of field equipment including ground and ice penetrating radar systems, GPS and Total Station surveying systems, ice coring drill, borehole inclinometer, field portable gamma spectrometer and fluorometer, numerous dataloggers and sensors for measurement of micrometeorological, hydrological and hydrochemical data, and vibrocoring/percussion systems for lake sediment coring. Available Unix and PC-based computing systems provide PCI and Envi image processing software, ARC/INFO and IDRISI GIS, ERADAS, as well as specialized modeling software to support the multi-disciplines. The department also houses the Earth Observation Systems Laboratory (EOSL), and the Centre for Earth Observation Science (CEOS) which brings together scientists from Computing Science, Engineering and Earth and Atmospheric Sciences, as well as the Community, Health and Environment Research Centre (CHE). Facilities for scanning, digitizing, color printing and photogrammetry are available.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:** There are two regular semesters: September-December and January-April. Intersession courses are in the period May-August.

The Department offers undergraduate courses leading to the B.Sc. and B.A. degrees, with a choice of General, Specialization and Honors programs. B.Sc. programs are offered in Atmospheric Sciences, Environmental Earth Sciences, Geology, Paleontology and Urban Planning. A B.A. program is offered in Human Geography and Urban Planning (Major/Minor only). For additional information, see our website at [http://www.ualberta.ca/eas](http://www.ualberta.ca/eas); E-Mail - EAS.Inquiries@ualberta.ca

An Industrial Internship Program enables students to combine 8 to 16 months of work experience in related fields with their academic training.

Graduate - A baccalaureate degree with a strong undergraduate academic record, letters of reference and approval of the Department. Application by February 15 is advised if financial assistance from the department is required. For additional information, see our website at [http://www.ualberta.ca/eas](http://www.ualberta.ca/eas); E-Mail - EAS.Inquiries@ualberta.ca

**FACULTY:** A detailed list of faculty and graduate students and their research interests is available on our Web page at [http://www.ualberta.ca/eas](http://www.ualberta.ca/eas)

**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 1/1/15-12/31/15:** 83 Bachelors, 19 Masters, 6 Ph.D.

**STUDENTS IN RESIDENCE (2015):** 366 Majors, 58 Masters, 28 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/](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) 220-4883 Fax (403) 282-6561, E-mail: geograd@ucalgary.ca

**PROGRAMS AND RESEARCH FACILITIES:** Programs of undergraduate study include Geography, Urban Studies and Earth Science. 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 and Urban 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

UNIVERSITY OF LETHBRIDGE

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: 1967

GRADUATE PROGRAM FOUNDED: 1991


STUDENTS IN RESIDENCE: Geography Majors 56, Urban and Regional Studies 22, Archaeology/Geography 28, Remote Sensing 3, Environmental Science 133, Masters 35, Ph.D. 12

CHAIR: Stefan W. Kienzle

DEPARTMENT ADMINISTRATIVE ASST: Deb Bullock

FOR FURTHER INFORMATION CONTACT: Dr. Stefan W. Kienzle, Chair, Department of Geography, The University of Lethbridge, 4401 University Drive W, Lethbridge, Alberta, Canada T1K 3M4. Telephone (403) 322-4561, 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 PhD. 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 disciple 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/graduatemstudies. 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

Philip Bonnaventure, Ph.D. Ottawa 2011, Assistant Professor — permafrost, climate change, mountain meteorology, High Arctic

Shawn Babel, 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

Laure Chasmer, Ph.D. Queen’s, 2008, Assistant Professor — forest and wetland ecosystems, permafrost, Lidar remote sensing

Craig Coburn, Ph.D., Simon Fraser, 2002, Associate Professor — remote sensing, texture analysis, terrain modeling

Chris Hopkinson, Ph.D., 2002 Wilfod Laurier University CAIP Research Chair — Research Interests: 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., Vancover, 1983, Professor — Semi-arid ecology, plant-insect-vertebrate interactions, biodiversity

Thomas Johnson, Ph.D, Waterloo, 1989, Associate Professor — human dimensions of environmental change; rural geography and land-use

Stefan Kienzle, 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, Professor and Associate Dean — effects of diffuse radiation, photosynthetic uptake and respiratory carbon losses in peatland ecosystems

Kevin McGeeough, PhD. Pennsylvania, 2005, Professor — Historical Geography, Languages and Cultures of Near Eastern and Classical Regions, Syro-Palestinian Archaeology

Derek R. Peddle, Ph.D. Waterloo, 1997, Professor — remote sensing and GIS; spatial analysis and computational methods

Ivan Townsend, Ph.D. Calgary, 1997, Professor — social change in urban Canada; quantitative methods in human and physical geography

Wei Xu, Ph.D. Guelph, 1998, Professor — China, urban and regional economic development, labour market dynamics, resource assessment, spatial analysis and GIS
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 9/1/15-8/31/16: 121 Bachelors, 7 Masters, 6 Ph.D.

STUDENTS IN RESIDENCE: 417 Majors, 9 M.A., 16 M.Sc., 28 Ph.D.

CHAIR: Tracy Brennand

DEPARTMENT ADMINISTRATIVE ASSISTANT: Anke Baker

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Department Chair, Department of Geography, 8888 University Drive, Burnaby, BC, Canada, V5A 156. Telephone (778) 782-3718. 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.

1. Undergraduate Program: Undergraduate students at Simon Fraser University may specialize in one of three broad fields: Human Geography, Physical Geography, and Spatial & Geographic Information Science. For students with primary interests in Human Geography, the department offers a mainstream BA, with emphasis 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 the Physical Geography BSc 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; (3) Physical Geography and Spatial Information Science gives students the opportunity to focus on the linkages between Earth System Science and Spatial Information Systems. Spatial & Geographic Information Science at Simon Fraser encompasses remote sensing, cartography, GIS, scientific 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-programs.html.

2. Graduate Program: The Department of Geography at SFU has a tradition of research excellence in a diversity of disciplines, spanning human geography, earth system dynamics, and spatial and geographic information science. 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.

M.A., M.Sc. and Ph.D. programs: The department has six broad research foci: The City, Geographical Political Economies, Global Environmental Change, Water Science, Spatial Information Theory and Spatial Health. Faculty from across the department contribute to each of these areas of interest, and thesis work in the program generally engages one or more of these research foci. Graduate research is particularly encouraged in the following areas: landscape ecology, climate science, geomorphology, and soil science; geographic/spatial information science, and geovisualization and remote sensing; health geography, political geography, urban geography, economic geography, cultural geography, social theory, political economy, and tourism.

For information on these specializations, faculty members, and detailed information concerning all aspects of the graduate program, please visit the departmental website, http://www.sfu.ca/geography/graduate-studies.html, and/or contact the Department.

GRADUATE ADMISSION REQUIREMENTS AND FINANCIAL AID: Admission Requirements: 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 Masters degree are expected to complete the degree (30 credit hours) in six terms. 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 approaches informing contemporary human geography. M.Sc. applicants normally hold a B.Sc. degree or equivalent in geography, environmental or earth science or a related discipline.

The Ph.D. program has no required courses; any coursework is determined in consultation with the supervisor. Admission to pursue the doctoral degree is granted only when the department has evidence of the candidate's ability to work at the most advanced level and produce a satisfactory dissertation. Prospective students should 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 — law, property, the city
Tracy Brennand, Ph.D., Alberta, 1993, Professor & Chair — glacial geomorphology and sedimentology, paleoglaciology, paleohydrology
Alex Clapp, Ph.D., UC-Berkeley, 1993, Professor — economic geography, resource conservation, forest policy
Valorie Crooks, Ph.D., McMaster, 2005, Professor — medical/social geography, health care, disability and chronic illness
Suzana Dragic-Kovacic, Ph.D., Montreal, 1999, Professor — GIS, spatial analysis and modeling, geosimulation, complex systems
Alix Gill, Ph.D., Manitoba, 1982, Professor — coastal tourism, resort development, secondary homes, tourism in mountain communities
Nick Hedley, Ph.D., Washington, 2003, Associate Professor — geovisualization, GIS, cartography, augmented reality, geospatial interface and virtual environments

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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 geography, psychoanalysis, social theory, paranormal cultures

Jason Leach, Ph.D., University of British Columbia, 2014, Assistant Professor — hydrology, water quality, fluvial science

Lance Lesack, Ph.D., UC-Santa Barbara, 1988, Professor — ecosystem biogeochemistry, land and water interactions, limnology

Geoff Mann, Ph.D., UC-Berkeley, 2003, Professor — political economy, capitalism, macroeconomic policy, politics of climate change

Eugene McCann, Ph.D., Kentucky, 1998, Professor — urban politics and policy, cultural politics and local economic development

Andrew Perkins, Ph.D., Simon Fraser University, 2015, Lecturer — hazards, geochronology, paleoglaciology

John Pierce, Ph.D., London School of Economics, 1976, Professor — 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 GIS

Jeremy Venditti, Ph.D., British Columbia, 2003, Professor; Director of the Environmental Science Program — fluvial geomorphology and sedimentology, landscape dynamics, mododynamic modeling of river sediment

Kirsten Zickfeld, Ph.D., Potsdam, 2004, Associate 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

John Irwin, PhD, British Columbia, 2004 — Sustainable development and resource planning, economic planning, transportation geography

ASSOCIATE MEMBERS:

Martin Andrensen, Ph.D., UBC, 2006, Professor (School of Criminology) — applied spatial statistics, spatial crime analysis, regional trade patterns

Yıldız Atasoy, Ph.D., University of Toronto, 1998, Professor (Department of Sociology & Anthropology) — global political economy, political sociology, state restructuring, social change and development, political economy of agrifood systems, neoliberal urbanism

Clint Burnham, Ph.D., York University, Associate Professor (Department of English)

Jeff Derksen, Ph.D., University of Calgary, 2000, Associate Professor (Department of English)

Peter Hall, Ph.D., UC-Berkeley, 2002, Professor (Urban Studies Program) — port cities, logistics, employment, community development, urban economies

Kirsten McAllister, Ph.D., Carleton University, 1999, Associate Professor (School of Communication)

Kendra Strauss, D.Phil., University of Oxford, 2008, Assistant Professor (Department of Sociology & Anthropology) — labour geography, economic geography, feminist political economy, social reproduction, legal geography, pensions

Joseph E. Taylor III, Ph.D., University of Washington, 1996, Professor (Department of History) — environmental history of fisheries, recreation, gentrification, outdoor sports, and public lands

ADJUNCT FACULTY:

Stuart C. Atikok, Ph.D., Western Ontario, 1985 — children and youth, families and communities, qualitative methods, critical theory, critical GIS, urban, film and media

Steve Cumming, Ph.D., University of British Columbia, 1997 — boreal ecology, fire ecology, spatial simulation, conservation planning

Michael Eby, BASc, University of British Columbia, 1985 — climate modelling, carbon cycle feedbacks, climate change longevity

Nathan Gillet, D. Phil, Oxford, 2002 — climate change modelling and attribution

Michael Goodchild, Ph.D., McMaster, 1965 — geographic information science and systems

Andy Jonas, Ph.D., The Ohio State University, 1989 — urban political geography, regionalism, labour geography, scale

Ray Kostaschuk, Ph.D., McMaster, 1984 — fluvial hydrology, geomorphology

Meg Kraunehuk, Ph.D., Alberta, 2007 — landscape ecology, pyrogeography, biogeography, conservation science

Victoria Lawson, Ph.D., Ohio State University, 1986 — relational poverty studies, feminist geography

Olaw Lian, Ph.D., Western Ontario, 1997 — quaternary sedimentology and stratigraphy, glacial geology, geomorphology and geochronology

Nicholas Menzies, Ph.D., University of California, Berkeley, 1988 — Forest resources management in China, community-based resources management, environmental history, history of botany in China

Christiana Miewald, Ph.D., University of Kentucky, 2000 — food security, urban agriculture, gender and sexuality, gentrification

Byron Miller, Ph.D., Minnesota, 1995 — space and social movements, urban politics, urban governance and governmentality, politics of urban and regional sustainability, socio-spatial polarization

Lenore Newman, Ph.D., York University, 2004 — food security, sustainable cities, culinary geography, nature/culture interface

Roma Paddison, Ph.D., University of Aberdeen, 1969 — urban democratic processes, making of inclusive public spaces

Janet Sturgeon, Ph.D., Yale, 2000 — human geography of contemporary Asia

Mary Thomas, Ph.D., Minnesota, 2002 — feminist and urban geography, girls studies, incarceration

Kevin Ward, Ph.D., University of Manchester, 1998 — economic development, policy mobilities, urban and regional policy economy

EMERITI FACULTY:

Robert C. Brown, Ph.D., Michigan State, 1967 — fisheries geography, resources development

Len Evenden, Ph.D., Edinburgh, 1970 — urban, local government

Roger Hayter, Ph.D., Washington, 1973 — BC’s forest economy, environmental economic, geography of the evolutionary firm

Edward Hicken, Ph.D., Sydney, 1971 — fluvial geomorphology and sedimentology

Thomas Poiker, Ph.D., Heidelberg, 1966 — economic, quantitative, computer cartography, GIS

Michael Roberts, Ph.D., Iowa, 1966 — fluvial geomorphology, field methods

Arthur Roberts, Ph.D., York, 1982 — remote sensing, photogrammetry, cultural, historical, paleoenvironments

Shue Tuck Wong, Ph.D., Chicago, 1968 — resources management, quantitative methods

RETIREDFACULTY:

Robert Horsfall, Ph.D., Johns Hopkins, 1969 — social geography, environmental psychology

Ian Hutchinson, Ph.D., Simon Fraser, 1977 — quaternary environments, coastal systems

P.M. Kerss, Ph.D., Michigan, 1970 — historical, Canada
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 9/1/15-8/31/16: 142 Bachelors, 16 Masters, 4 Ph.D.

STUDENTS: 17 Minors, 517 Majors, 36 Masters, 70 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). Web: www.geog.ubc.ca.

PROGRAMS AND RESEARCH FACILITIES:

M.A., M.Sc., Ph.D. Programs: The UBC Department of Geography offers three undergraduate programs; two BA programs (Human Geography and Environment and Sustainability) and one BSc program (Geographical Biogeosciences). We also offer a Minor and a Honours option under the Human Geography program.

1. The Environment and Sustainability program offers an integrated understanding of physical, ecological, economic, socio-cultural and political systems, as they shape the world and influence life. Finally, Geographical Sciences, also known as Physical Geography, is fundamentally concerned with the interactions between the Earth’s biosphere and its atmosphere, hydrosphere, and geosphere. The program emphasizes the environmental consequences of global change and field-based research.

2. Programs in Geographical Sciences 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 specialization options include: Biogeography (forest and plant ecology; Arctic environments); Climatology (air pollution; meteorology; mesoscale modeling; urban climatology, climate change, biogeochemistry); GIS and remote sensing; 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).

3. The Human Geography program concentrates on four main areas of study: Cultures and Places, Cities and Globalization, Nature and Society, and Research and Methods, across the geographic regions of Canada, East and Southeast Asia, the Middle East, Europe, Africa and Latin America. It explores 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.

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 - The Honours program required an average of 72%. Graduate applicants must meet the requirements as outlined at http://www.geog.ubc.ca/graduate/prospective-students/how-to-apply/.

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 students are provided with financial support of at least $22,000 per year for the first four years of their PhD studies and the first two years of their Master degree studies.

NSERC, SSHRC, and CIHR scholarships 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.

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, Senior 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
Jessica Dempsey, Ph.D., British Columbia, 2011, Assistant Professor — political ecology, economic geography, feminist science studies, and increasingly, green finance

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

Matthew D. Evenden, Ph.D., York, 2000, 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. Hermanow, M.A., Queens, 1984, Professor of Teaching — geographic information science, remote sensing

Dan Hiebert, Ph.D., Toronto, 1987, Professor — urban, immigration, Canada

Sarah Hunt, Simon Fraser, 2014, Assistant Professor — Quaternary geomorphology, glaciology, paleoclimate reconstruction, alpine and polar regions

Merje Kaas, Ph.D., Syracuse, 1999, Professor — political, geopolitical, 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 McKenzie, Ph.D., Canterbury, 1985, Professor — air pollution meteorology, aerosol science, synoptic climatology

Siobhan 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

Juanita R. Sandberg, 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. Wylly, Ph.D., Minnesota, 1995, Professor — urban, social policy, quantitative methods, housing

Emily Campbell, Queen’s, 2013, Assistant Professor — environmental policy, governance, water demand management, policy research

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

Graeme Wynn, F.R.S.C.; Ph.D., Toronto, 1974, Professor — historical, environmental, Canada, New Zealand

**UNIVERSITY OF NORTHERN BRITISH COLUMBIA**

**GEOGRAPHY PROGRAM**

**DATE FOUNDED:** 1994

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

**GRANTED 9/1/15 — 8/31/16:** 3 Bachelors, 3 Masters

**STUDENTS IN RESIDENCE:** 10 Masters, 7 Ph.D.

**CHAIR:** Catherine Nolin

**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: catherine.nolin@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 - GEGO). 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
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

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, 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 Meleits, 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, 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:

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 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

Eric Grunsky, Ph.D., Univ. of Ottawa, 1988 — remote sensing and image processing; statistical/numerical methods in the Earth Sciences

Sarah de Leeuw, Ph.D., Queen’s, 2007 — Indigenous health; cultural geography; post-colonialism

Sean Markey, Ph.D., SFU, 2003 — sustainable community development; resource communities; social economy; regional development; rural development

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

UNIVERSITY OF THE FRASER VALLEY

DEPARTMENT OF GEOGRAPHY and the ENVIRONMENT

DATE FOUNDED: 1992

DEGREES OFFERED: B.A., Geography; B.Sc., Physical Geography

BA GRANTED 5/1/15-4/30/16: 25 Majors, 6 Extended Minors, 13 Minors, 2 Honours

BSc GRANTED 5/1/15-4/30/16: 8 Majors, 1 Minors, 1 Honours

STUDENTS IN RESIDENCE BA: 59 Majors, 16 Minors, 9 Extended Minors, 1 Honours

STUDENTS IN RESIDENCE BSc: 18 Majors, 6 Minors

HEAD: Steven Marsh

DEPARTMENTAL ADMINISTRATIVE ASSISTANT: Sarah McLean

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Steven Marsh, 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. 4723. Fax (604) 504-3619. E-mail: steven.marsh@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 Planning, 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 Paleoecology 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 Summer (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
- John Belec, Ph.D., Queens, 1988, Associate Professor — Urban Studies, Housing Studies, Canada, Borderlands
- Cherrie 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
- Claire Hay, M.Sc., Alberta, 1998, Associate Professor — Geomorphology, Regional Geography, Geographic Techniques
- Jonathan Hughes, Ph.D., Simon Fraser, 2002, Associate Professor — Biogeography, Paleoecology, Dendrochronology, Paleosseismology
- Olav B. Lian, Ph.D., Western Ontario, 1997, Associate Professor — Quaternary Sedimentology, Stratigraphy, Paleoenvironments, Geochronology, Paleoseismology 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 Shape, 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
- Alex Awiti, Ph.D. Nairobi, 2006 — Ecosystems Ecology
- John Clague, Ph.D., British Columbia, 1973 — Natural Hazards, Quaternary Geology
- 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
- Tata Mtawamb Limbumba, Ph.D., KTH, Stockholm, 2010 — Built Environment, Infrastructure & Planning
- Dan Selfie, Ph.D., Queen’s, 2008 — Fisheries (salmon) and Aquatic Ecology, Paleoecology

**POST-DOCTORAL FELLOWS**
- Christina Neufeld, 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 VICTORIA**

**DEPARTMENT OF GEOGRAPHY**

**DATE FOUNDED:** 1949

**GRADUATE PROGRAM FOUNDED:** 1966

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

**GRANTED 1/1/16-12/31/16:** 148 Bachelors, 10 M.Sc., 2 M.A., 8 Ph.D.

**STUDENTS IN RESIDENCE:** 550 Majors, 22 Masters, 21 Ph.D.

**NOT IN RESIDENCE:** 15 Masters, 26 Ph.D.

**CHAIR:** Johannes Feddema

**DEPARTMENT ADMINISTRATIVE OFFICER:** John Fowler

**FOR CATALOG AND FURTHER INFORMATION WRITE TO:** Chair, Department of Geography, University of Victoria, PO Box 1700, Victoria, British Columbia, Canada V8W 2Y2. Telephone (250) 721-7327, Fax (250) 721-6216. Email: geoginfo@uvic.ca. World Wide Web: http://www.uvic.ca/socialsciences/geography/

**PROGRAMS AND RESEARCH FACILITIES:** UVic Geography faculty members conduct research all over the world, from understanding climate impacts on water resources, conserving critical species and their habitats, empowering the “binners” in Victoria, BC and Sao Paulo, Brazil through community-engaged research, to critical assessments of political systems. All faculty members have vibrant, active research programs with varied socially and scientifically relevant foci, including: climate change impacts and
Adaptations; coastal zone; community-based research; geomatics; geomorphology and Quaternary science; health and society; climate change and hydro-climatology; international development; landscape ecology, biogeography, and spatial ecology; marine aquaculture; protected areas planning and management; and Arctic sea ice variability.

Our research facilities are comprised as follows: Physical Geography labs include Climate Change and Weather, Coastal Geomorphology, and the University of Victoria Tree Ring Lab. Applied Conservation Science, Coastal and Ocean Resources Analysis, Landscape and Wildlife Ecology, Marine Protected Areas Research Group, Water, Innovation and Global Governance, and Whale Research laboratories support the resource conservation branch of the department. The Community-based Research Laboratory and Critical Geographies Research Group support a number of Human Geography programs. Development Studies labs include GIS, spatial analysis, and visualization laboratories, and Hyperspectral-LiDAR, sea ice, and ocean remote sensing laboratories. Large funded projects housed in our department include Population Data BC, Population Health, and PPV Blovilia. In addition, the Environment Canada Water and Climate Impacts Research Centre (W-CIRC) is co-located with Geography, and focuses on hydrologic and ecological impacts of atmospheric change and variability. More details on special research programs and researchers can be found on the web site (http://www.uvic.ca/socialsciences/geography/research/index.php).

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

Undergraduate: At the University of Victoria there are two regular semesters: September-December and January-April. ‘Summer Session’ comprises the period May-August.

The Geography Department offers undergraduate courses leading to B.A. and B.Sc. degrees, with a choice of General, Major, and Honours programs for both. For the Major and Honours degrees, students may choose concentrations in five core areas: Coastal Studies, Earth Systems, Geomatics, Environment and Sustainability, and Urban & Development Studies. These core areas of study reflect the teaching and research strengths of our Faculty members. Students from the general university community who may wish to augment their primary degree with a more concentrated area of geographical study can take a Minor in Coastal Studies and Geographic Information Technology. The minor is ideal for students majoring in Anthropology, Biology, Earth and Ocean Sciences, Economics, and History. The Department of Geography in conjunction with the School of Earth and Ocean Sciences, also offers a Combined B.Sc. Major or Honours Degree aimed at students whose interests span the fields of Physical Geography and Earth Sciences. These degrees are intended to prepare students for a professional designation. Also, in conjunction with the Department of Computer Science, the Department of Geography offers a combined B.Sc. Major Degree for students who are interested in the fields of Computer Science, Geography, and Geomatics. The program intends to offer students a broad and comprehensive foundation in a number of key areas including cartography, geographic information sciences, remote sensing, surveying, statistics, and fundamentals of programming, algorithms, database systems, computer graphics, and computer geometry. There are also Geography Co-operative Education and Work Experience programs that enable students to combine work experience in related fields with their academic training.

Further information regarding undergraduate admission requirements may be obtained from the University’s website at: http://www.uvic.ca/. In addition to scholarships, financial information on loans, grants or bursaries is available through the University’s website. The Geography department’s main website can be viewed at: http://geography.uvic.ca/.

Graduate: The Department of Geography at the University of Victoria offers M.A., M.Sc., and Ph.D. degrees. A B.A. or B.Sc. degree from a recognized university, or its equivalent, with a ‘B+’ average (75% or upper 2nd class) for the last 2 years is generally considered a minimum requirement for admission. Graduate degree programs at UVic are research-oriented (i.e., thesis based). Course-based degrees are not offered. Applicants are strongly encouraged to contact potential supervisors via email or phone to discuss research interests and potential opportunities. Faculty research interests are listed on the departmental website. Students whose native language is not English are required to provide English language proficiency test scores (TOEFL > 575 or IELTS > 6.5) to demonstrate language competency proficient to proceed with graduate studies. Overseas students should not make provision to travel to Canada until they have been admitted officially by the Faculty of Graduate Studies and have evidence of financial resources to allow them to pursue their studies. The required residency for a Master’s degree is 2 academic years and 3 years for a Ph.D. degree. Program entry is usually September for the Winter Session (divided into two terms: September-December, and January-April). Students may also enter the program in January or May.

The Department offers University of Victoria Fellowships of up to $15,000 (M.A., M.Sc., Ph.D.) for a 12-month period to students of high academic standing who are registered full-time. Most students are offered funding from a variety of sources, including: Scholarships, Fellowships, Entrance Awards, Research Assistantships, and Teaching Assistantships. Additional summer stipends are also available. Typically, academic supervisors cover research expenses from their research grants. In many cases, students also work closely with supervisors to secure additional external funding. The Department hosts scholars across the tri-council of major Canadian funding agencies (NSERC, SSHRC, CIHR) and scholarships may be awarded on application to high calibre Canadian or landed-immigrant students. More information on admissions, tuition, awards, and other requirements is available online from the Faculty of Graduate Studies (web.uvic.ca/gradstudies). Further details on the Geography Graduate School program at UVic is available at: http://www.uvic.ca/socialsciences/geography/graduate/index.php.

FACULTY:

David Atkinson, Ph.D., Ottawa, 2000, Associate Professor — storms and coastal zones, weather extremes, icefield meteorology, weather/human interactions, Arctic

Chris Bone, Ph.D., Simon Fraser, 2011, Assistant Professor — GIS, spatial analysis, complex systems modeling and artificial intelligence

Roseline Canessa, Ph.D., Victoria, 1997, Associate Professor — coastal management, marine protected areas, GIS decision support, geovisualization

Denise Cloutier, Ph.D., Guelph, 2000, Professor — healthy aging, integrated models of service delivery for older adults, vulnerable populations, long-term care service trajectories

Maycira Costa, Ph.D., Victoria, 2000, Associate Professor — remote sensing, primary productivity, coastal waters, benthic habitats, wetlands

Christopher Darimont, Ph.D., Victoria, 2007, Associate Professor — conservation ethics, ecosystem-based harvest management, Indigenous geographies, marine-terrestrial interactions, wildlife ecology

Teresa Dawson, M.A., Oxford, 1992, Teaching Professor — human geography, geographic education, feminist geography, experiential learning

Philip Dearden, Ph.D., Victoria, 1978, Professor — protected areas, conservation, marine, Southeast Asia

David Duffus, Ph.D., Victoria, 1988, Associate Professor — conservation, wildlife, marine

Johannes Feddema, Ph.D., Delaware, 1991, Professor — human systems in Earth System models, water balance climatology, urban climatology
CindyAnn Rose-Redwood, Ph.D., Penn State, 2007, Assistant Professor
Terry Prowse, Ph.D., Canterbury, 1981, Professor
Dan J. Smith, Ph.D., Alberta, 1985, Professor
Cameron Owens, PhD, Simon Fraser, 2011, Associate Teaching Professor
Aleck Ostry, Ph.D., British Columbia, 1998, Professor
Michael Hayes, Ph.D., McMaster, 1989, Professor
K. Olaf Niemann, Ph.D., Alberta, 1988, Professor
Michele-Lee Moore, Ph.D., Wilfrid Laurier, 2011, Associate Professor
Mark S. Flaherty, Ph.D., McMaster, 1985, Professor
Jutta Gutterlet, Ph.D., Tübingen, 1990, Professor — development geography, waste studies, global/local waste governance, sustainable livelihoods, ecological and social economy, participatory action research (PAR), global South
Michael Hayes, Ph.D., McMaster, 1989, Professor — social geographies of health from a life-course perspective, health inequities and urban structure, social gradients in health outcomes, disability and public policy
Dennis E. Jelinski, Ph.D., Simon Fraser, 1990, Professor — landscape ecology, biogeography, wildlife ecology, conservation, terrestrial-marine interactions
Eva K Doll, Ph.D., Bremen, 2013, Assistant Professor — coastal geomorphology, turbulence, flow structures
Michele-Lee Moore, Ph.D., Wilfrid Laurier, 2011, Associate Professor — global/local water governance, river basin management, social-ecological resilience, social innovation; transnational networks
K. Olaf Niemann, Ph.D., Alberta, 1988, Professor — remote sensing, geomorphology
Ian J. O’Connell, Ph.D., Victoria, 2003, Teaching Professor — geography
Aleck Ostry, Ph.D., British Columbia, 1998, Professor — health geography, social determinants of health, geography of food security and nutrition, Aboriginal people’s health
Cameron Owens, PhD, Simon Fraser, 2011, Associate Teaching Professor — social theory and politics in relation to urban and regional development, land use planning, and environmental assessment
Terry Prowse, Ph.D., Canterbury, 1981, Professor — cold regions hydrology, impacts of climate change on water resources, hydro-ecology of river systems, hydro-climatology
CindyAnn Rose-Redwood, Ph.D., Penn State, 2007, Assistant Teaching Professor — urban social geography, immigrant geographies, geographies of higher education, international student experiences
Reuben Rose-Redwood, Ph.D., Penn State, 2006, Associate Professor — urban historical geography, cultural landscape studies, politics of mapping, geographies of higher education, history of geographical thought
Randall Scharfen, Ph.D., Calgary, 2010, Assistant Professor — Arctic sea ice variability and climate change, remote sensing with synthetic aperture radar, radar polarimetry
Dan J. Smith, Ph.D., Alberta, 1985, Professor — geomorphology; dendrochronology
Simon Springer, Ph.D., British Columbia, 2009, Associate Professor — anarchist geographies, geographies of violence and non-violence, political and development geographies, political economy of Southeast Asia

ONTARIO

BROCK UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND TOURISM STUDIES

DATE FOUNDED: 1964
DEGREES OFFERED: B.A., B.Sc., M.A.
GRANTED 9/1/15-8/31/16: 67 Bachelors
MAJORS: 167 (Geography); 84 (Tourism)
CHAIR: Christopher Fullerton
DEPARTMENT ADMINISTRATIVE COORDINATOR:
Virginia Wagg

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Chair, Department of Geography and Tourism Studies, 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 and Tourism Studies offers programs leading to an M.A. degree in Geography, BA Geography, BSc Geography and BA Tourism and Environment degrees at the Honours and pass levels. It also participates in a number of combined major programs. In addition, the Department offers a five-year BA or BSc Honours degree in Geography concurrently with a B.Ed. degree; and a four-year Honours BA or BSc Geography 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 a mandatory internship placement and an optional Honours thesis in year 4. Field work features prominently in many courses. Physical laboratories and equipment are available to support 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, Data & GIS 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, interactive digital media, Niagara’s changing economy, precarious employment, Niagara’s tourism evolution
David T. Brown, Ph.D., McGill, 1989, Associate Professor — digital interpretation of natural and cultural heritage; trail and greenway planning and development; sustainable transportation; historical landscapes and human-dominated ecosystem changes.
David Butz, Ph.D., McMaster, 1993, Professor — cultural, social geography, qualitative methods, music, Pakistan, road construction and social change, political ecology
Daryl Dagesse, Ph.D., Guelph, 2006, Associate Professor — periglacial geomorphology, soil physics
David A. Fennell, Ph.D., University of Western Ontario, 1994, Professor — ecotourism, tourism ethics, tourism & animal ethics
Christopher Fullerton, Ph.D., Saskatchewan, 2004, Associate Professor — rural land use planning, rural economic development, tourism geography of Niagara Falls and the Niagara Region, Ottawa’s planning history, urban public transit
Hugh J Gayler, Ph.D., British Columbia, 1974, Professor Emeritus — urban planning, rural-urban fringe development issues, urban social geography
Atsuko Hashimoto, Ph.D., Surrey, 1996, Associate Professor — rural community development through tourism in Japan, heritage and dark tourism in Japan, human rights issues in tourism, agriculture and culinary tourism
Undergraduate Programs

PROGRAMS AND RESEARCH FACILITIES:

Marilyne Jollineau, Ph.D., Waterloo, 2003, Associate Professor — geospatial approaches to vineyard management, wetland ecosystems, 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 Menciesz, Ph.D., PGeo., Edinburgh, 1976, Professor — geomorphology, glaciology, soil science, glacial

Catherine Jean Nash, Ph.D., Queen’s, 2004, Professor — social, cultural geography, urban studies and planning, feminist, lgbt, queer, trans issues

Anthony B. Shaw, Ph.D., Western Ontario, 1981, Professor — climatology, meteorology, viticulture

Michael Pisaric, Ph.D., Queen’s, 2001, Professor — biogeography, climate change, dendrochronology, paleoecology, ecological disturbance, Arctic and boreal regions

Michael Ripmeester, Ph.D., Queen’s, 1995, Professor — historical geography, cultural geography, historical geographies of First Nations, geographies of popular memory

Dragos Simandan, Ph.D., Bristol, 2004, Professor — geographical reasoning, philosophy of the social sciences, social theory, economic geography, the psychology-geography interface

David J. Telfer, PhD, Waterloo, 1996, Associate Professor — tourism and development theory, tourism planning, tourism in developing countries, rural tourism in Japan, heritage and dark tourism in Japan, agriculture and culinary tourism

Kevin Turner, Ph.D., Wilfrid Laurier, 2013, Assistant Professor — hydrology, geomatics, paleoecology, 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 9/1/15-8/31/16: 73 Bachelors, 4 M.A., 9 M.Sc., 7 Ph.D.

STUDENTS IN RESIDENCE: 381 Majors, 9 M.A., 22 M.Sc., 25 Ph.D.

NOT IN RESIDENCE: M.A., M.Sc., Ph.D.

CHAIR: Scott Mitchell

DEPARTMENT ADMINISTRATIVE ASST: Natalia Fierro

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 Honours); 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, glaciology, 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 Cybergcartography. 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 Earth Observation and Mapping, Natural Resources Canada, and other government agencies.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

M.A./M.Sc. programs: Admission requires 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 requires 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 four years at the Ph.D. level for qualified students. The department and university also offer several awards and bursaries to assist with graduate studies.

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 09/01/2015-11/21/2016: 143 Bachelors

STUDENTS IN RESIDENCE: 48 Masters, 46 Ph.D.

DIRECTOR: Dr. Bruce Newbold

DEPARTMENT ADMINISTRATOR: Marge Geroux

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Graduate Admin, 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 intraregional 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 office space; 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 administrative 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 $11,118.80 Teaching Assistantship and $11,740.00 Department Scholarship; candidates for M.A. or M.Sc. without external scholarship will receive: $11,118.80 Teaching Assistantship and $9,740.00 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. Alfad Arain, Ph.D., Arizona, 1997, Professor — climatology, hydrometeorology
Janal Balibhattacharya, Ph.D., McMaster, 1989, Professor — sequence stratigraphy, 3D facies architecture, paralic and fluvial depositional systems
Joe I. Boyce, Ph.D., Toronto, 1997, Associate Professor — applied geophysics, sedimentary geology
Luc Bernier, Ph.D., McMaster, 2007, Associate Professor — geomicrobiology, environmental geochemistry
Vera A. Chouinard, Ph.D., McMaster, 1987, Professor — urban political economy
Sean Carey, Ph.D., McMaster, 2000, Professor — cold weather
Carolyn H. Eyles, Ph.D., Toronto, 1986, Professor — glacial sedimentology
Richard S. Harris, Ph.D., Queen’s, 1981, Professor — social/political geography
Sang Tae Kim, Ph.D., McGill University, 2006, Assistant Professor — Stable Isotopy Geochemistry
John MacLachlan, Ph.D., McMaster, 2011, Assistant Professor — advancement in classroom technologies and learning, glacial spatial distribution
Michael Mercier, Ph.D., McMaster, 2003, Assistant Professor — teaching and learning environment and methods, social geography
K. Bruce Newbold, Ph.D., McMaster, 1994, Professor — migration, immigration, medical
Maureen Padden, Ph.D., ETH, Zurich, Switzerland, 2001, Associate Professor — Environment Health & Geochemistry
H. Antonio Paez, Ph.D.,Tohoku, Japan, 2000, Professor — Spatial data analysis and statistics
Edward G. Reinhart, Ph.D., Carleton, 1996, 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
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 Yiannakoulias, Ph.D, University of Alberta 2006, Associate Professor — Spatial Analysis, Environment & Health

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CROSS-APPOINTED FACULTY:
Paulin Coalbyh, Ph.D., Lavall, 2000, Professor — water resources systems analysis and modeling (joint appointment with Civil Engineering)
Suzanne Mills, Ph.D., Saskatchewan, 2007, Assistant Professor — gender, equity and unions, labour and the environment (joint appointment with Labour Studies)

QUEEN’S UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND PLANNING

DATE FOUNDED: 1960 (Geography); 1970 (Planning)
GRADUATE PROGRAM FOUNDED: 1965 (Geography); 1970 (Planning)

DEGREES OFFERED: B.A., B.A. (Hons.) B.Sc., B.Sc. (Hons), M.A., M.Sc., M.P.L., Ph.D.
GRANTED 9/1/15 - 8/31/16: 82 Bachelors, 67 Masters, 6 Ph.D.
STUDENTS IN RESIDENCE: 311 Majors, 96 Masters, 42 Ph.D.

NOT IN RESIDENCE: 11 Masters, 16 Ph.D.
HEAD: Warren Mbhee
DEPARTMENT MANAGER: Kathy Hoover

FOR CATALOG AND FURTHER INFORMATION WRITE TO: graduate.info@queensu.ca, World Wide Web: http://www.queensu.ca/geographyandplanning

PROGRAMS AND RESEARCH FACILITIES: The Department of Geography and Planning offers programs of study in the following fields:

HUMAN GEOGRAPHY and PLANNING

The broad emphasis in the field of Human Geography is on exploring the evolution of a multiplicity of human systems. The focus is on the interactions and linkages between systems that operate at different scales, ranging from local (work, place, bodies, gender, health and healthcare, urban areas) and increasing through regional and national scales (citizenship, justice, governance, postcolonialism, indigenous peoples) to global systems (globalization, development, economies, sustainability). Unifying themes include identity and place. The broad emphasis in the area of Urban and Regional Planning is on the planning and development of cities and regions, and the relation between development and public policy concerns. Research in urban and regional planning seeks to integrate the latest knowledge related to environment and society with real-world planning challenges. Areas of focus include health and social planning, environmental services, and land use and real estate planning.

Faculty: Agarwal, Andrew, Cameron, Castleden, Collins, Davidson, Donald, Godlewka, Gordon, Holmes, Hovorka, Kobayashi, Lovell, Meligrana, Mullings, Rosenberg, Viswanathan, Whitelaw

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. The focus is on the interaction and linkages throughout the environment - the lithosphere, atmosphere, hydrosphere, cryosphere, and biosphere - and on physical, chemical, and biological processes operating at a wide range of spatial and temporal scales. Areas of faculty interest include forest systems, cold regions, energy production, and planning around resource use. Measurement, integration, and modelling of earth system elements to understand these linkages are key foci of research and graduate training activities. Field measurements and sample collection are matched with laboratory and data analysis, and modelling.

Faculty: Chen, Bevan, Danby, Lafrenière, Lamoureux, Mbhee, McCaughey, Scott, Treitz

GEOGRAPHIC INFORMATION SCIENCE

The broad emphasis of research in GIS encompasses the theoretical, technical and applied aspects of cartography, geographic information systems, remote sensing and image processing, and modeling of human and natural systems. Specific areas of research focus relate GIS to aspects of human geography (disease modeling, mapping of human impacts on the environment, resource optimization, contemporary and historical cartography), physical geography (biophysical remote sensing, image processing, geo-visualization, environmental modeling) and urban and regional planning (land use planning, network analysis, cartography, social engagement).

Faculty: Chen, Danby, Godlewka, Scott, Treitz

FACULTY:
Ajay Agarwal, Ph.D., Southern California, 2009, Associate Professor — travel behaviour of Generation Y, determinants of changes in urban spatial structure, promoting public transit in midsize Canadian cities
John Andrew, Ph.D., Toronto, 1999, Continuing Adjunct Assistant Professor — commercial real estate financial feasibility analysis, environmental issues in buildings and land, conflict management and public consultation in real estate planning, real estate decision-making and investment strategy, transportation infrastructure development and public-private collaboration
George Bevan, Ph.D., University of Toronto, 2005, Associate Professor — photogrammetry and computational photography, multi-spectral imaging (reflected UV and IR, UV/IR fluorescence), X-ray fluorescence, historic air photos, unmanned aerial vehicles, geohazards and geotechnics, computed tomography, art conservation science, syriac, ecclesiastical politics and geography in late antiquity
Laura Cameron, Ph.D., Cambridge, 2001, Associate Professor and Canada Research Chair (2003-2013) — cultures of nature, historical geographies of science, sonic methods
Heather Castleden, Ph.D., Alberta, 2007, Associate Professor and Canada Research Chair — Treaty rights, negotiations, and implementation, Indigenous-Settler reconciliation, Social-environmental justice and health equity, Decolonizing, Indigenous, and participatory methodologies
DongMei Chen, Ph.D., San Diego State University/University of California-Santa Barbara, 2001, Professor — geographic information systems, remote sensing, spatial analysis, environmental management
Patricia Collins, Ph.D., Simon Fraser University, 2009, Associate Professor — healthy and sustainable community planning and governance, and currently encompasses topics ranging from school closures, play deserts, commuting and health, food insecurity, and integrated community sustainability planning
Ryan Danby, Ph.D., Alberta, 2007, Associate 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, Professor — urban and regional political economy, economic geography, urban governance, cultural economies of food and food systems planning
Anne Godlewka, Ph.D., Clark, 1985, Professor — the presence of Indigeneity in the Canadian Imagination, the flavours of Canadian identity in Canadian provincial education, geography, colonialism and imperialism, the map and society
David L.A. Gordon, D.Des, Harvard, 1994, Professor and SURP Director — suburbs in Canada, Australia and USA, planning history, especially Ottawa, capital cities, urban redevelopment, especially waterfronts, community design
Alice Hovorka, Ph.D., Clark University, 2003, Professor and Director of Environmental Studies — animal geographies, gender and environmental urban geography, Southern Africa
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, Associate Professor — biogeochemistry, hydrology, carbon and nutrient cycling in alpine and arctic catchments
Scott Lamoureux, Ph.D., Alberta, 1998, Professor — permafrost, geomorphology, hydrology and climate, especially in cold regions
W. George Lovell, Ph.D., Alberta, 1980, Professor — historical, cultural, Latin America
Warren E. Mahee, Ph.D., Toronto, 2001, Professor and Head and Canada Research Chair — forests and energy, bioenergy and technology, regional energy systems
John F. Meligrana, Ph.D., Simon Fraser, 1998, Associate Professor —Local government reform, regional governance, urban-rural fringe, urban planning and development in China
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
Mark W. Rosenberg, Ph.D., London School of Economics, 1980, Professor and Canada Research Chair — population studies, medical, public policy
Neal Scott, Ph.D., Colorado State, 1996, Associate Professor and Canada Research Chair (2005-2015) — terrestrial biogeochemistry, disturbance effects on carbon and nitrogen cycling, land-use change and greenhouse gas emissions
Paul M. Treitz, Ph.D., Waterloo, 1997, Professor — biophysical remote sensing of arctic and boreal environments, environmental monitoring of arctic environments using SAR, Lidar remote sensing for forestry
Leela Viswanathan, Ph.D., York, 2007, Associate Professor — planning with Indigenous Peoples, planning pedagogy, race, environment and cultural relations
Graham S. Whitelaw, Ph.D., Waterloo, 2006, Associate Professor — Environment and sustainability, focused primarily on three interrelated themes: regional planning, monitoring and environmental assessment. Oak Ridges Moraine Conservation Plan

EMERITI FACULTY:
Peter G. Gheen, Ph.D., Chicago, 1970, Professor Emeritus — historical, urban
Gerald Hodge, Ph.D., MIT, 1965, Professor Emeritus — regional planning, seniors planning, community planning
John Holmes, Ph.D., Ohio State, 1974, Professor Emeritus — urban and regional political economy, economic geography, labour
Hok-Lin Leung, Ph.D., Reading, 1985, Professor Emeritus — land use planning, urban design, policy planning and evaluation, cultural comparison
J. Harry McCaughey, Ph.D., McMaster, 1972, Professor Emeritus — climate change, adaptation to climate change, the role of forests in climate change, forest climatology, radiation, energy and water balance climatology, carbon cycling in ecosystems
Eric G. Moore, Ph.D., Queensland, 1966, Professor Emeritus — population, urban, public policy
Brian S. Osborne, Ph.D., Southampton, 1967, Professor Emeritus — historical, cultural
Mohammad Qadeer, Ph.D., Columbia, 1971, Professor Emeritus — multiculturalism, cities and planning for diversity, urban development and planning in the Third World
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
Andrejs Skaburskis, Ph.D., UC Berkeley, 1977, Professor Emeritus — urban spatial structure, housing markets, urban economy
Rowland R. Tinline, Ph.D., Bristol, 1973, Professor Emeritus — medical, geographic information systems, disease modelling

CROSS-APPOINTED FACULTY:
Bruce Anderson, Ph.D., British Columbia, 1989, Professor in Civil Engineering — urban stormwater management, low impact development/green infrastructure, passive wastewater treatment systems, control of nutrient loading from agricultural areas
Jeffrey R. Masuda, Ph.D., Alberta, 2005, Associate Professor in Kinesiology and Health Studies — environmental health equity, social and environmental justice, urban health, knowledge translation, right to the city
David A. McDonald, Ph.D., Toronto, 1996, Professor in Global Development Studies — urbanization/cities, public services, privatization, environmental justice, international migration, development
Katherine McKittick, PhD., York, 2003, Associate Professor in Gender Studies — black studies, black geographies, cultural geographies, studies of race
David Murakami-Wood, Ph.D., Newcastle, U.K., 2001, Associate Professor of Sociology and Canada Research Chair (Tier II) in Surveillance Studies — Surveillance, Technology and Society, Global Cities, Social Theory
Joan Schwartz, Ph.D., Queen’s, 1998, Professor and Head in Art History and Art Conservation — History of Photography, Nineteenth-Century Photography and the Geographical Imagination, Early Landscape/Travel Photography, The Management of Photographic Archives

RYERSON UNIVERSITY

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

DATE FOUNDED: 1974

DEGREES OFFERED: B.A. in Geographic Analysis (GA), B.A. in Environment and Urban Sustainability (EUS), Master of Spatial Analysis (MSA)

GRANTED 7/1/15-6/30/16: 45 Bachelors (GA), 48 Bachelors (EUS), 25 Masters (MSA)

STUDENTS IN RESIDENCE: 259 Majors (GA), 312 Majors (EUS), 31 Masters (MSA)

CHAIR: Claus Rinner

DEPARTMENT ADMINISTRATOR: Christina Smith

FOR CATALOG AND FURTHER INFORMATION WRITE TO: See Department Website at 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 an honours degree, Bachelor of Arts (BA).

Through the G. Raymond Chang School of Continuing Education, the department offers three 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 GIS applications and geospatial technologies for those who want to enter a GIS-related occupation and for GIS professionals wishing to review and expand 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.

Jointly with the Centre for the Study of Commercial Activity at Ryerson University, the department offers the Master of Spatial Analysis (MSA) program. The major research paper option of the MSA program can be completed in one year of full-time studies or two years of part-time studies. The thesis option takes 16-20 months of full-time studies. MSA student research is organized by three fields of study—business/commercial, physical/landscape, and management/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 (MASC; PhD), Immigration and Settlement Studies (MA), and Policy Studies (PhD).

ACADEMIC PLAN AND ADMISSION REQUIREMENTS: The BA programs start with a one-year common curriculum with other social sciences and humanities programs, allowing the transferability of course credits. A total of 40 (EUS) or 41 (GA) one-semester courses are required. The programs include a mandatory (GA) or optional (EUS) internship placement, as well as field trips and project-based capstone courses. The MSA graduate program consists of four required core courses, two electives, and a practicum placement, as well as a major research paper or thesis. See: www.ryerson.ca/undergraduate/calendars/ and www.ryerson.ca/graduate/currentstudents/calendarandschedule for more information.

To qualify for admission to the undergraduate programs, 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:

David Atkinson, PhD, Queen's (Canada), 2013 — Arctic biophysical systems, remote sensing, GIS
Michal Bardecki, PhD, York (Canada), 1981 — wetlands, environmental impact assessment, environmental education, Nepal
Harald Bauer, PhD, Wilfrid Laurier, 1998 — critical geographies, international migration, labour markets, geographic practice, critical border studies
Valentina Capurri, PhD, York (Canada), 2010 — urban geography, globalization, immigration, citizenship and identity
Brian Ceh, PhD, Western Ontario, 1994 — business and commercial geography, GIS, urban-economic, quantitative
Philip Coppock, PhD, Waterloo, 1985 — economic geography, globalization, quantitative methods

Sara Edge, PhD, McMaster, 2012 — environment and sustainability governance, complex socio-ecological systems, promotion of healthy sustainable communities
K. Wayne Forsythe, PhD, Salzburg, 1999 — geospatial analysis of contaminated sediments, urban change detection, remote sensing, GIS
Larry Fullerton, MA, York (Canada), 1970 — demography, recreation
Sutama Ghosh, PhD, York (Canada), 2006 — immigration and settlement, transnationalism, race and racism
Tony Hernandez, PhD, Manchester, 1998 — GIS, marketing geography, geodemographics, commercial activity
Hersch Jacobs, PhD, Toronto, 1976 — geography of food, rural, analysis of risk
Jeanne Maurer, MA, Toronto, 1992 — agriculture and rural land use, globalization, world cities, political ecology
Andrew Millward, PhD, Waterloo, 2004 — urban forestry and disturbance ecology, applications of remote sensing and spatial data handling
Tor Oiano, PhD, Western Ontario, 2014 — exposure assessment, environmental modelling, health risk assessment, GIS and spatial statistics, health and medical geography
Claire Oswald, PhD, Toronto, 2011 — physical geography, watershed hydrology and biogeochemistry, watershed ecosystem science and management
Greg Oulahen, PhD, Western Ontario, 2014 — human-environment interaction, hazards, risk, vulnerability, climate change adaptation
Claud Rinner, PhD, Bonn, 1999 — GIS, cartographic visualization, web mapping, spatial decision support systems (SDSS)
Richard Shaker, PhD, Wisconsin-Milwaukee, 2011 — sustainable development planning, landscape ecology, global change, spatial analysis
Stephen Swales, MA, Calgary, 1982 — land use development and planning, GIS
Eric de Noronha Vaz, PhD, NOVA Lisbon, 2011 — GIS, complex systems, regional and urban planning, neogeography
La Wang, PhD, York (Canada), 2004 — medical geography, immigrant health, economic geography, consumption and retailing, spatial and statistical modeling, mixed-method approaches
Shuqiang Wang, PhD, 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 2015-2016: 22 Bachelors, 15 Masters, 1 PhD

STUDENTS IN RESIDENCE: 335 Majors, 48 Masters, 12 PhD

NOT IN RESIDENCE: 3 PhD, 3 Masters

CHAIR: John Smithers

DEPARTMENT ADMINISTRATIVE ASST: Jennifer Beeler

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 $17,330 in Semesters 1 to 3 and $11,330 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, wildlife dynamics
Aaron A. Berg, PhD, California Irvine, 2003, Professor — physical geography, hydrology and remote sensing
Ben E. Bradshaw, PhD, Guelph, 1999, Associate Professor — environmental governance
Kirby Delaune, PhD, Queen’s, 2013, Assistant Professor — energy transitions, resource management, community energy planning
Jaclyn Cockburn, PhD, Queen’s, 2008, Associate Professor — sedimentary processes and climate change, watershed hydrology, geomorphology
Ze’ev Gedalof, PhD, Washington, 2002, Associate Professor — physical geography, paleoecology, biogeography, dendrochronology
Noella J. Gray, PhD, Duke, 2009, Associate Professor — political ecology, marine conservation
Evan Fraser, PhD, UBC, 2002, Professor, Canada Research Chair, and director of the Arrell Food Institute — challenges to global food security in 21st century
Roberta Hawkins, PhD, Clark, 2011, Associate Professor — environment and development, feminist geography
Richard G. Kahn, 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, resource management
Kate Parizeau, PhD, Toronto, 2011, Associate Professor — social context of waste management
Jennifer Silver, PhD, Simon Fraser, 2010, Associate 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, 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 Daum, PhD Auckland, 1966, Professor — evolution of large urban centres, small rural towns
Robin G. Davidson-Arnott, PhD, Toronto, 1975, Professor — geomorphology, coastal studies

Alan E. Joseph, PhD, McMaster, 1976, Professor — social geography, restructuring, rural community change
Philip Keddie, PhD, Waterloo, 1977, Professor — agricultural geography, sustainable rural community, social geography
Reid D. Kretzwaier, PhD, Western Ontario, 1978, Professor — resource management, water resources, policy evaluation
Kiyoko Miyantishi, 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 TORONTO**

**DEPARTMENT OF GEOGRAPHY AND PLANNING**

**DATE FOUNDED:** 1935

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

**Geography:** M.Sc. Planning; Ph.D. Planning

**GRANTED 9/1/15 - 8/31/16:** 696 Bachelors, 13 Masters, 10 Ph.D Geography; 29 M.Sc.Planning; 3 Ph.D. Planning

**STUDENTS IN RESIDENCE:** 42 Masters, 13 Ph.D.

**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 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: geogr@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 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 $16,500 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 $1,500, 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

Ahmed Allahwala, Ph.D., York, 2011, Associate Professor, Teaching Stream — urban social policy, participatory action research (PAR), geography education

George B. Arhonditis, 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

Laurel Besco, Ph.D., University of Ottawa, 2016, Assistant Professor — environmental/sustainability law and policy, Green economy, socio-legal dimensions of climate change

Alana Boland, Ph.D., Washington, 2001, Associate Professor — institutional reforms in urban water supply, green developmentalist, 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, Associate Professor, Teaching Stream — Geographic IS, remote sensing, fluvial geomorphology

Glenn Brauen, Ph.D., Carleton University, YEAR, Assistant Professor, Teaching Stream — cybercartographic mapping, geospatial knowledge models (ontologies), visualization and geographic information systems (GIS), WebMap design utilities

Laura Brown, Ph.D., Waterloo, 2012, Assistant Professor — cryosphere, climate – lake ice interactions, remote sensing and numerical modelling

Michelle Buckley, Ph.D., Oxford, 2012, Assistant Professor — Migration and urbanization, Intersectional perspectives on work and employment, Marxist philosophy and postcolonial urban frameworks

Ronald N. Baliung, Ph.D., McMaster, 2004, 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. Daniere, 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 geoarchaeology

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. Daval, 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.

Michael Ekers, Ph.D., Oxford, 2010, Assistant Professor — mobilizes social and political theory and political economic approaches to understand: (1) the production of different environmental landscapes, and (2), the ‘identities’ of the people that produce environmental spaces and their social positioning in the production process

Steven Farber, Ph.D., McMaster, 2010, Assistant Professor — transport geography, spatial analysis, accessibility, public transportation

Matthew Farish, Ph.D., British Columbia, 2003, Associate Professor — transport geography, spatial analysis, accessibility, public transportation

Alexandra Flynn, ABD, York, Assistant Professor — urban governance, legal geography, municipal and planning law

Meric S. Gertler, F.R.S.C.; Ph.D., Harvard, 1983, Goldring Professor of Canadian Studies — economic development in city-regions, innovation systems, comparative capitalism

Emily Gilbert, Ph.D., Bristol, 1998, Associate Professor — cultural geography, cultural theory, globalization, nationalism, culture and economy, money, nation-states, citizenship, borders, security
Kanishka Goonawardena, Ph.D., Cornell, 1998, Associate Professor — urbanism and critical theory, planning theory and neoliberal globalizations, modernity and nationalism (postcolonial and diasporic)

William A. Gough, Ph.D., McGill, 1991, 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 neocorporative 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 models, physical basis of climate, global warming, energy efficiency and renewable energy, energy policy

Monika Havella, Ph.D., Western Ontario, 2002, Associate Professor, Teaching Stream — urban ecology and restoration ecology

Yuhong He, Ph.D., Saskatchewan, 2008, Associate 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, Associate Professor — agroforestry, agroecology, soil fertility, plant nutrition, localized management knowledge, ecological services, social-ecological systems, social networks, cognitive mapping

Thembela 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

Jason Kovacs, Ph.D., University of Waterloo, 2009, Assistant Professor — Cultural planning and public art, heritage conservation, monuments and public memory, cultural tourism

Nicole Laliberté, Ph.D., Pennsylvania State, 2013, Assistant Professor, Teaching Stream — anti-oppression pedagogies, feminist geopolitics, critical geographies of development, militarization

Igor Lebharrer, Ph.D. Alberta, 2011, Assistant Professor — biogeochemistry of major and trace elements, contaminants, impacts of climate change on aquatic ecosystems

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 Lexdon, Ph.D., Toronto, 1995, Associate Professor, Teaching Stream — regional geography of North America, colonial North America and the Caribbean, population dynamics, retail analysis

Jane Liu, Ph.D., Toronto, 2010, Assistant Professor — Atmospheric environment (pollution transport and emission from fires, air quality and health implications, satellite monitoring, modeling), tropospheric and stratospheric ozone, climate change, atmosphere-biosphere interactions (carbon, water, and energy cycles, land surface schemes, biogenic emissions), remote sensing of atmosphere and land Ecological modeling

Kenneth Ian MacDonald, Ph.D. Waterloo, 1995, Associate Professor — international development, political ecology, 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 Mahiani, 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

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

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

Sharlene Mollett, Ph.D., Toronto, 2006, Assistant Professor — land and natural resource conflicts, political economy, 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, Associate Professor, Teaching Stream — environmental issues in developing countries

Raj Narayanreddy, Ph.D., Minnesota, 2011, Assistant Professor — geographies of waste and labour, urban political ecology, global urbanism, cities of the global South, South Asia

Andrea Olive, Ph.D., Purdue, 2009, Assistant Professor — environmental policy, conservation, private property, Arctic politics, indigenous politics, Canada-US relations

Trevor Porter, Ph.D., Carleton, 2012, Assistant Professor — paleoenvironments; climate change; stable isotope geochemistry and dendrochronology

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, Professor — gender and development, culture-economy articulations, market regulation, ethnographic models, planning theory, Southeast 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 Silver, Ph.D., Washington, 1997, Assistant 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

Neera Singh, Ph.D., Michigan State, 2009, Assistant Professor — environmental conservation and development, community forestry, forest tenure and forest governance, environmental behavior and subjectivity

Tat Smith, Ph.D., University of Maine, 1984, Professor — forest ecology and soils, carbon cycling in forest ecosystems, bioenergy from sustainable forestry
Andre Sorensen, Ph.D., London, 1998, 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
Michael Widener, Ph.D., SUNY – Buffalo, 2012, Assistant Professor — access to healthy food and healthcare facilities; Health and transportation geographies; GIS, agent-based modelling, and spatial optimization
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
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. 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. McMullin, Ph.D., Wisconsin, 1973, Professor Emeritus — Ontario landscape, nineteenth-century technology and transport, heritage conservation
D. Scott Munro, Ph.D., McMaster, 1975, Professor Emeritus — micrometeorology, hydroclimatology, 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

UNIVERSITY OF WATERLOO

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT

DATE FOUNDED: 1962

GRADUATE PROGRAM FOUNDED: 1964


GRANTED 9/1/15-8/31/16: 130 Bachelors, 50 Masters, 7 Ph.D.

STUDENTS IN RESIDENCE: 638 Bachelors; 85 Masters, 54 Ph.D.

NOT IN RESIDENCE: 9 Masters, 3 Ph.D.

CHAIR: Richard Kelly

DEPARTMENT ADMINISTRATIVE MANAGER: Susie Castela

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Associate Chair Undergraduate Studies, Geography Program: Dr. Merrin Macrae. E-mail: mmacrae@uwaterloo.ca or Associate Chair Undergraduate Studies, Aviation and Geomatics Programs: Dr. Ian McKenzie. E-mail: mckenzie@uwaterloo.ca or Associate Chair Graduate Studies: Dr. Brent Doberstein. E-mail: bdoberst@uwaterloo.ca

Department of Geography and Environmental Management, University of Waterloo, 200 University Avenue West, Waterloo, Ontario, Canada N2L 3G1. Telephone (519) 888-4567, ext. 32433. E-mail: geogchair@uwaterloo.ca Internet: https://uwaterloo.ca/geography-environmental-management/

PROGRAMS AND RESEARCH FACILITIES:

UNDERGRADUATE: The Department of Geography and Environmental Management, one of five academic units in the Faculty of Environment, offers programs leading to the Bachelor of Environmental Studies (B.E.S.) degree. In addition to the Geography and Environmental Management plan are two additional degree plans. A B.E.S. degree in Geomatics and a B.E.S. degree in Geography and Aviation. The Geomatics Plan builds on the strength of the University of Waterloo expertise in GIS, Remote Sensing, Computer Science, Geodesy and Surveying. The Geography and Aviation Plan couples the B.S degree with flight training and leads to a Commercial Pilot Licence. Similar aviation programs offered in the Faculty of Science (Physics and Earth Sciences) incorporate seven Geography courses as program core. In all cases, students become members of the Department in their first year of study. The Honours Co-op Geomatics and Environmental Management plan provides for alternate terms of practical work experience and academic study. Students may be admitted to the Co-op Plan in the first or second year. In addition to completing the regular series of undergraduate courses, students must complete four work terms. Cooperative Education and Career Services assist students with placement for work terms during which they receive remuneration from their employers. The Honours Regular Geography and Environmental Management Plan is broad in scope, but students may concentrate their courses in one or more of the major areas of specialization: Climate Change; Earth System Science; Geomatics; Development and Environment. Students may also develop Joint...
Honours Plans to suit their particular interests. The three-year General Geography and Environmental Management Plan provides a liberal education in environmental studies, with less specialization in Geography than in the Honours Plans.

Through the Mapping, Analysis and Design unit of the Faculty, the Department offers excellent computing facilities, particularly for geographic information systems and remote sensing. Commercial GIS and remote sensing software are used in teaching and for project work. The eight computer labs are open 24 hours a day, and a Help Desk is available during regular working hours. There are laboratories for undergraduate studies in geomorphology, hydrology and ecology. Field courses are offered in Canada and overseas.

GRADUATE: In co-operation with the Department of Geography and Environmental Studies at Wilfrid Laurier University, located less than 1 km away, the Department operates the Waterloo-Laurier Graduate Program in Geography. Full details of the program are shown in an adjacent section of this guide and also at: http://geograds.uwaterloo.ca/. The numbers of Masters and Ph.D. students shown at the start of this submission are for those students in the joint program who are registered at the University of Waterloo. The total number of students registered in the joint program is 103 Masters, 85 Ph.D. in residence and 12 Masters, 5 Ph.D. not in residence.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:

UNDERGRADUATE: Academic Plan: 3 terms (September-December, January-April, May-August). Admission Requirements: Information for applicants from the Ontario secondary school system and other provinces in Canada can be found at https://uwaterloo.ca/find-out-more/admissions.

The university encourages applications from international students. Further information can be found at http://www.international.uwaterloo.ca/.

GRADUATE: Full details are shown in an adjacent section of this guide and also at: http://geograds.uwaterloo.ca/

FACULTY:

Jean Andrey, Ph.D., Waterloo, 1989, Professor — transportation, climatic hazards
Sarah Burch, Ph.D., British Columbia, 2009, Associate Professor — governing responses to climate change (both adaptation and mitigation) in urban spaces
Daniel Cockayne, Ph.D., Kentucky, 2016, Assistant Professor — cultural geography, critical human geography, economic geography, entrepreneurialism and startup economics, feminist geography, queer geography and sexuality
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
Brent Doberstein, Ph.D., British Columbia, 2001, Associate Professor — resource and environmental management, international development, environmental impact assessment, hazards
Christine Dow, Ph.D., Swansea, 2014, Assistant Professor — Ph.D., numerical modeling, glacial hydrology, ice dynamics, glaciology data collection
Claude Duguay, Ph.D., Waterloo, 1989, Professor — climate impacts on the cryosphere, numerical modelling and remote sensing of lake ice, climate-lake interactions
Susan Elliott, Ph.D., McMaster University, 1992, Professor — environmental and health, health geography, environmental science, urban social geography and planning, research methods
Christopher Fletcher, Ph.D., London, 2005, Associate Professor — using numerical models to investigate large-scale climate processes and climate change
Peter Johnson, Ph.D., McGill, 2010, Associate 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
Suzanne Kears, Ph.D., Capella, 2007, Associate Professor — aviation human factors and pilot training, educational theory related to aviation, including the shift towards competency-based education practices and the impact of e-learning in aviation
Richard Kelly, Ph.D., Bristol, 1995, Professor — remote sensing of global snow water equivalent from passive microwave measurements, global change of the cryosphere
Ellsworth LeDrew, Ph.D., Colorado, 1976, University 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 — hydrology and chemistry of agricultural runoff, biogeochemical processes in riparian wetlands, effects of disturbance on wetland hydrology and chemistry
Clare Mitchell, Ph.D., Waterloo, 1986, Associate Professor — rural, local economic development, retail
Sanjay Nepal, Ph.D., Switzerland, 1999, Professor — biodiversity conservation and tourism, tourism impacts on the environment, community participation, and local level development through tourism
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
Derek Robinson, Ph.D., Michigan, 2009, Associate Professor — Center of land use, land management, and the carbon cycle, agent-based modelling as an approach to integrate GIS, 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.
Daniel Scott, Ph.D., York, 1998, 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
Mike Stone, Ph.D., Waterloo, 1992, Professor — environmental planning, water quality, sediment/water interactions, water resources management
Maria Strack, Ph.D., McMaster, 2006, Associate Professor — interactions between ecology, hydrology, biogeochemistry and soil properties in wetland ecosystems
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, Associate 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
Johanna Wandel, Ph.D., Guelph, 2006, Associate Professor — vulnerability, community based assessment, adaptation and climate change
Nancy Worth, Ph.D., Leeds, 2010, Assistant Professor — economic geography, social geography, feminist geography, social justice, identities and belonging

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
James Craig, Ph.D., Buffalo, 2005, Associate Professor — development of improved numerical and analytical methods for modeling groundwater, surface water, subsurface contaminant transport and the surface water / groundwater interface
Gore Durnford, Ph.D., 1999, Assistant Professor — life cycle assessment (LCA) and social and environmental issues in supply chains
Rob Feick, Ph.D., Waterloo, 2000, Professor — GIS, multi-criteria methods for land management, spatial decision support systems, public facility systems
Bruce Frayne, Ph.D., Queen’s, 2001, Associate Professor — sustainable cities, encompassing the three related areas of human migration, urbanization and food security
Brad Fedy, Ph.D., British Colombia, 2006, Assistant Professor — examines factors that influence fitness of animal populations at multiple scales - from genes to landscapes
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
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
Jane Law, Ph.D., New Brunswick, 2000, Associate Professor — GIS and spatial analysis methodologies and their applications in public health
Huiying Lin, Ph.D., George Mason, 2010, Assistant Professor — cross-sector partnership for complex environmental issues, strategic alliances for sustainability, corporate sustainability strategy, voluntary environmental programs, stakeholder involvement in environmental governance, and corporate sustainability in the emerging economies
John McLevey, Ph.D., McMaster, 2013, Assistant Professor — social network analysis, science and public policy, sociology of education, environmental sociology, computational social science, information science, research methods
Teferi Mergo, Ph.D., UC Berkeley, 2013, Assistant Professor — development economics, and draw on methods popularized by labour and demographic economists
Markus Moos, Ph.D., British Columbia, 2012, Associate Professor — economy and social structure of cities, generational change and cities, youthification of cities, urban housing markets, residential location and commute patterns, sustainability policy and social justice in cities
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
Stephen Quilley, Ph.D., Manchester, 1996, Associate Professor — historical sociology of Norbert Elias and urban regeneration, to the long term dynamics of human ecology, policy-related projects relating to sustainability, urban regeneration, food systems, resilience and social-ecological innovation
Vanessa Schweiger, Ph.D., Carnegie Mellon, 2010, Assistant Professor — collective decision making
Andrea Scott, Ph.D., Waterloo, 2008, Assistant Professor — using data to improve model predictions
Larry Swatuk, Ph.D., Dalhousie, 1993, Associate Professor — environmental and natural resource governance and management with a specific focus on water resources, focus on the unintended negative consequences of climate change adaptation and mitigation interventions
Jason Thistlethwaite, Ph.D., Waterloo, 2011, Assistant Professor — climate change governance, private governance, corporate social responsibility, insurance, risk management
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.

UNIVERSITY OF WESTERN ONTARIO

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1938
GRADUATE PROGRAM FOUNDED: 1946
DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.
GRANTED 9/1/15-8/31/16: 17 Bachelors, 37 Honors (Total), 10 Masters, 7 Ph.D.
STUDENTS IN RESIDENCE: 62 - 4-Yr B.A., 8 - 3-Yr B.A., 71 Honors, 29 Masters, 38 Ph.D.
CHAIR: Dan Shrubsole Ph.D.
DEPARTMENT ADMINISTRATIVE OFFICER: Barbara Thomas

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Graduate Administrator, Department of Geography, Western University, London, Ontario N6A 5C2—Telephone: (519) 661-2111, ext. 85033—Fax: (519) 661-3750 Email: ljohns24@uwo.ca
Web Page: http://www.geography.uwo.ca

PROGRAMS AND RESEARCH FACILITIES:
The departmental strategic focus is on a theme of “Urban Environments” encompassing the following fields.

Degree Programs (M.A., M.Sc. and Ph.D.): The programs emphasize training in research leading to Masters or Ph.D. theses. Students select from a wide range of graduate courses that provide them with the necessary background knowledge and skills for their proposed research and subsequent employment. All students take a seminar course in geographical theory, and in research design and communication. Both Masters and Ph.D. students complete an approved research proposal prior to registering for the thesis. Ph.D. students must also pass a comprehensive examination. All theses go through an oral defense prior to acceptance. Students are encouraged to publish their research and to present at conferences. There are four major fields of study.
Physical Geography: Studies of urban surface processes in hydrology, geomorphology, climatology, river ecology and environmental change using instrumented field sites, laboratory models, terrain analysis, remote sensing and GIS. Current projects include studies of the urban heat island, water quality in rivers, and fluvial sediment mobilization. Environmental change studies include: paleo environmental reconstructions using paleolimnology and the response of river and vegetation systems to environmental change, and modified climates in urban areas.

Geographic Information Science (GIS): Theoretical and applied studies of geographic information systems (GIS), remote sensing and cartography. Application of GIS to: urban land use, locational analysis, analysis, dynamics and landscape. Applications of remote sensing to resource management, cartography, and earth surface processes (e.g. urban forest cover, river channel form, and urban surface temperatures).

Urban Studies: Urban Studies research focuses on phenomenon and societal issues in the context of cities. The research topics include urban development, urban land and real estate economics, urban morphology, planning, housing, health, history, culture and geomatics. Current projects include research on: decline in the downtown quantum, functions in North American cities; spatial demographics of educational demand; urban environmental influences on childhood obesity; geographic studies of paediatric trauma; urban forms for seniors' independence and mobility; property acquisition and social mobility; spatial patterning of urban crime; geographies of personal networks; urban demographics and housing choices; uncertainty and household mobility; and regional economic development.

Environment, Development and Health: Within this cluster, "environment" is defined in the broadest sense, including aspects of both physical and social environments. Research on the health geography of Canada includes work on environmental hazards and risk perception, environmental inequity, energy justice, health effects of air pollution, and childhood obesity and urban form. Research in international contexts, with regional specialization in Africa and the Caribbean, is examining peasant agriculture, food security and nutrition, HIV-AIDS, and the connections between gender, migration and development. Faculty members in this cluster are also involved in research on food, energy and water resources, climate change, and other aspects of environmental policy and management.

COLLABORATIVE PROGRAMS:
MA, M.Sc. and Ph.D. programs in Geography (Environment and Sustainability) are offered in conjunction with the Faculty of Science and Faculty of Engineering.

MA and Ph.D. programs in Geography (Migration and Ethnic Relations) are offered in conjunction with Departments in the Faculties of Social Science, and Arts and Humanities.

M.Sc. and Ph.D. programs in Geography (Planetary Science and Exploration) are offered in conjunction with the Centre for Planetary Space and Exploration.

RESEARCH FACILITIES: Depending on their area of interest and research needs, graduate students can access a range of biophysical, urban, health and general computing lab facilities. The Department has excellent infrastructure for the measurement, simulation and analysis of environmental processes and paleo environments. In addition, electronic surveying equipment (motorized and conventional total stations, high resolution differential GPS, electronic level) complement image-based (remote sensing and digital photogrammetry) terrain acquisition and analysis software. Computing areas are available for all students. Study space is provided for each graduate student. See the web page for more information about research labs and support.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Semester system. Master's applicants must have either an Honors Bachelor's degree or equivalent in Geography or a cognate discipline, generally with at least a B+ average from a recognized university and have completed course work to the satisfaction of the department. Ph.D. applicants who hold a Master's degree or equivalent are accepted at the discretion of the department. Financial aid is available to qualified students through university scholarships, teaching assistantships, conference awards, and scholarships from outside agencies. Email the Graduate Assistant for more information.

FACULTY:
Godwin Arku, Ph.D., McMaster, 2005, Associate Professor — urban development
Peter E. Ashmore, Ph.D., Alberta, 1985, Professor — fluvial geomorphology
Jamie Baxter, Ph.D., McMaster, 1997, Professor — hazards and health geography
Brian Bruguereau, Ph.D., McGill 2000, Professor (cross with Biology) — ecohydrology, biogeochemistry, wetlands; Canada Research Chair
Michael Buzzelli, Ph.D., McMaster, 2001, Associate Professor — GIS, housing, urban, environmental and social determinants of health
Irena Creed, Ph.D., Toronto, 1998, Professor (cross with Biology) — watershed biogeochemistry; Canada Research Chair
Belinda Dodson, Ph.D., Cambridge, 1990, Associate Professor — development, gender, Southern Africa
Rick Fehr, Ph.D., York, 2010, Assistant Professor — historical relations with First Nations and Canadians
Jason Gilliland, Ph.D., McGill University, 2001, Professor — urban development, children’s health
Milford B. Green, Ph.D., Ohio State, 1980, Professor — economic, transportation
Jeffrey S.P. Hopkins, Ph.D., McGill, 1992, Associate Professor — cultural, human
Carol Hunsberger, Ph.D., Carleton, 2012, Assistant Professor — political ecology, biofuels, East Africa, energy justice
Isaac Lagninaah, Ph.D., McMaster, 2002, Professor — medical, environment health relationships, Canada Research Chair
Jack Malczewski, Ph.D., Poland, 1987, Professor — economic
Desmond Moser, Ph.D., Queens 1993, Associate Professor (joint with Earth Sciences) — tectonics, geochronology
Katrina Moser, Ph.D., McMaster, 1997, Associate Professor — geology, paleolimnology, biogeochemistry
Micha Pajner, Ph.D., California, 1986, Associate Professor — geographic information systems
Chantelle Richmond, Ph.D., McGill, 2007, Associate Professor — aboriginal health, environmental health. CIHR Early Researcher.
Dan Shrubsole, Ph.D., Waterloo, 1989, Professor and Chair — resources management
C. Christopher Smart, Ph.D., McMaster, 1983, Professor — hydrology, geomorphology
L. Graham Smith, Ph.D., Waterloo, 1982, Associate Professor — resources management
Philip J. Stooge, Ph.D., Victoria, 1988, Associate Professor — cartography, space exploration
James A. Voogt, Ph.D., British Columbia, 1995, Associate Professor — urban climatology
Jinfeng Wang, Ph.D., Waterloo, 1988, Professor — spatial analysis, GIS
Anthony Weiss, Ph.D., Queen's, 2001, Associate Professor — international development policy and practice
Adam Yates, Ph.D., Western, 2009, Assistant Professor — aquatic ecosystems, ecological assessments
DEPARTMENTS OF GEOGRAPHY
UNIVERSITY OF WATERLOO AND WILFRID LAURIER UNIVERSITY
DATE FOUNDED: 1992
DEGREES OFFERED: M.A., M.E.S., MSc., Ph.D.
GRANTED 9/1/15-8/31/16: 46 Masters, 12 Ph.D.
STUDENTS IN RESIDENCE: 103 Masters, 85 Ph.D.
NOT IN RESIDENCE: 12 Masters, 5 Ph.D.
DIRECTOR: Dr. Steven Roberts, Wilfred Laurier University
GRADUATE PROGRAM ADMINISTRATOR: Jennifer Drowns, Wilfred Laurier University

FOR FURTHER INFORMATION WRITE TO: The Director’s Office, Wilfrid Laurier University, 75 University Avenue West Waterloo, ON, N2L 3C5 Telephone (519) 884-0710 ext.2325, jdrowns@wlu.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
Jennifer Baltzer, Ph.D., Toronto, 2005, Associate Professor — functional basis of plant species distributions, forest ecosystems including tropical, temperate and boreal forests
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
Sarah Burch, Ph.D., British Columbia, 2009, Assistant Professor — governing responses to climate change (both adaptation and mitigation) in urban and rural environments, environmental science, urban social geography and planning, research methods
Mary-Louise Byrne, Ph.D., McMaster, 1991, Associate Professor — coastal geomorphology, physical geography
Barbara Carmichael, Ph.D., Victoria, 1991, Professor — tourism, recreation, economic development
Daniel Cockayne, Ph.D., Kentucky, 2016, Assistant Professor — cultural geography, critical human geography, economic geography, entrepreneurialism and startup economies, feminist geography, queer geography and sexuality
Judith Cukier, Ph.D., Waterloo, 1996, Associate Professor — tourism, gender and development marine parks, South Asia, Caribbean
Peter Deadman, Ph.D., Arizona, 1997, Associate Professor — GIS, resource and environmental management
Jody F. Decker, Ph.D., 1999, 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
Christine Dow, Ph.D., Swannee, 2014, Assistant Professor — numerical modeling, glacial hydrology, ice dynamics, glaciology
Claude Duguay, Ph.D., Waterloo, 1989, Professor — remote Sensing, Modeling, cryosphere, lakes
Susan Elliott, Ph.D., 1992, McMaster University, 1992, Professor — environment and health, health geography, environmental science, urban social geography and planning, research methods
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.
Suzanne Kearns, Ph.D., Capella, 2007, Associate Professor — aviation human factors and pilot training, educational theory related to aviation, including the shift towards competency-based education practices and the impact of e-learning in aviation.
Richard Kelly, Ph.D., Bristol, 1995, Professor — remote sensing of global snow water equivalent from passive microwave measurements, global change of the cryosphere

Alex Lata, Ph.D., York, 2005, Associate Professor — environmental citizenship; environmental justice; political ecology; Latin American politics; Chile: environment, energy, resources, indigenous peoples

Ellsworth LeDrew, Ph.D., Colorado, 1976, University 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

Philip Marsh, Ph.D., McMaster, 1983, Professor — hydrology of Arctic Canada with a focus on the effects of snow, ice, permafrost on the hydrology of key northern ecosystems

Robert McMahan, 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

David Morris, Ph.D., Waterloo, 2010, Assistant Professor — influence of human activities on the conservation of plant genetic diversity

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

Daniel Scott, Ph.D., York, 1998, 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 Slocombe, Ph.D., Waterloo, 1990, Professor — resource and environmental management, systems approaches, sustainability, ecosystem and landscape management and assessment

Michael Stone, Ph.D., Waterloo, 1992, Professor — environmental planning, water quality, sediment/water interactions, water resources management

Maria Strack, Ph.D., McMaster, 2006, Associate Professor — interactions between ecology, hydrology, biogeochemistry and soil properties in wetland ecosystems

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, Associate 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

Jason Venkiteswaran, Ph.D., Waterloo, 2009, Assistant Professor — biogeochemical cycling of nutrients and related elements, human- and climate-related disruptions

Margaret Walton-Roberts, Ph.D., British Columbia, 2001, Associate Professor — immigration, population

Johanna Wandel, Ph.D., Guelph, 2006, Associate Professor — vulnerability, community based assessment, adaptation and climate change

Brent Wolfe, Ph.D., Waterloo, 1997, Associate Professor — isotope hydrology and paleohydrology, paleolimnology, climate change

Nancy Worth, Ph.D., Leeds, 2010, Assistant Professor — economic geography, social geography, feminist geography, social justice, identities and belonging

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

James Craig, Ph.D., Buffalo, 2005, Associate Professor — development of improved numerical and analytical methods for modeling groundwater, surface water, subsurface contaminant transport and the surface water / groundwater interface

Goretti Dias, Ph.D., Guelph, 1998, Assistant Professor — life cycle assessment (LCA) and social and environmental issues in supply chains

Rob Fick, Ph.D., Waterloo, 2000, Professor — GIS, multi-criteria methods for land management, spatial decision support systems, public facility systems

Bruce Frayne, Ph.D., Queen’s, 2001, Associate Professor — sustainable cities, encompassing the three related areas of human migration, urbanization and food security

Brad Fedy, Ph.D., British Colombia, 2006, Assistant Professor — examines factors that influence fitness of animal populations at multiple scales - from genes to landscapes

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
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

Jane Law, Ph.D., New Brunswick, 2000, Associate Professor — GIS and spatial analysis methodologies and their applications in public health

Haiying Lin, Ph.D., George Mason, 2010, Assistant Professor — cross-sector partnership for complex environmental issues, strategic alliance, corporate sustainability, corporate sustainability strategy, voluntary environmental programs, stakeholder involvement in environmental governance, and corporate sustainability in the emerging economies

John McLevey, Ph.D., McMaster, 2013, Assistant Professor — social network analysis, science and public policy, sociology of education, environmental sociology, computational social science, information science, research methods

Teferi Mergo, Ph.D., UC Berkeley, 2013, Assistant Professor — development economics, and draw on methods popularized by labour and demographic economists

Markus Moos, Ph.D., British Columbia, 2012, Associate Professor — economy and social structure of cities, generational change and cities, youthification of cities, urban housing markets, residential location and commute patterns, sustainability policy and social justice in cities

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

Stephen Quilley, Ph.D., Manchester, 1996, Associate Professor — historical sociology of Norbert Elias and urban regeneration, to the long term dynamics of human ecology, policy-related projects relating to sustainability, urban regeneration, food systems, resilience and social-ecological innovation

Vanessa Schweizer, Ph.D., Carnegie Mellon, 2010, Assistant Professor — collective decision making

Andrea Scott, Ph.D., Waterloo, 2008, Assistant Professor — using data to improve model predictions

Larry Swatuk, Ph.D., Dalhousie, 1993, Associate Professor — environmental and natural resource governance and management with a specific focus on water resources, focus on the unintended negative consequences of climate change adaptation and mitigation interventions

Jason Thistethwaite, Ph.D., Waterloo, 2011, Assistant Professor — climate change governance, private governance, corporate social responsibility, insurance, risk management

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

**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 9/1/15-8/31/16:** 8 Masters, 8 Ph.D.

**STUDENTS IN RESIDENCE:** 304 Majors (Undergraduate), 38 Masters, 38 Ph.D.

**GRADUATE DIRECTOR:** P. Vandergeest

**DEPARTMENT CHAIR:** J. Mensah

**DEPARTMENT ADMINISTRATIVE ASSISTANT:** K. Cheema

**FOR CATALOG AND FURTHER INFORMATION WRITE TO:** Graduate: Peter Vandergeest, Director, Graduate Program in Geography, 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.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, including a Specialized Honors B.A. in Geography & Urban Studies.

**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 Geography, research strengths include: Biogeography of the 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

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 Caufield, 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; agro-globalization; South Asia

Taly Dreznier, 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

William Found, Ph.D., University of Florida, 1966, Professor Emeritus — landscape analysis, program implementation and evaluation, environmental management, Caribbean islands

Bryn Greer-Wootten, 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

Christian Hass, Ph.D., University of Bremen, 1996, Professor — sea ice and snow thickness; ocean-ice atmospheric interaction; Arctic climate change; airborne geophysics, satellite remote sensing

Lam Hae, Ph.D., Syracuse, 2007, Associate Professor — urban political economy, neoliberal urbanism, politics of urban subcultures, legal geographies, the right to the city, biogeochemistry; organic carbon fluxes

Baolin 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 Kiper, 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

Jennifer Korosi, Ph.D., Queen's, 2012, Assistant Professor — Environment, Global/Climate Change, limnology, biogeochemistry

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; Geometrics and immigrant settlement services; spatial interaction modeling and transportation demand analysis

Christopher Lortie, Ph.D., British Columbia, 2001, Associate Professor — Community; biogeochemistry; invasion biology; climate change; stress interactions

Elizabeth Lunstrum, Ph.D., Minnesota, 2007, Associate Professor — Environmental politics: 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, 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

Jean Michel Montsion, Ph.D., McMaster, 2009, Associate Professor — urban social and political geography; ethnicity; indigeneity; gateway cities; Singapore

Glenn 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; social capital; urban geography

Roberto Quinlan, Ph.D., Queen’s, 2000, Associate Professor — aquatic ecology; limnology; paleoecology
**QUEBEC**

**CONCORDIA UNIVERSITY**

**DEPARTMENT OF GEOGRAPHY, PLANNING AND ENVIRONMENT**

**DATE FOUNDED:** 1959

**DEGREES OFFERED:** B.A. Human Environment, B.A. Urban Studies, B.A. Urban Planning, B.Sc. Environmental Geography, B.Sc. Environmental Science, Graduate Diploma (Environmental Assessment), M.Sc. (Geography, Urban and Environmental Studies), Masters of Environment (Environmental Assessment), Ph.D. (Geography, Urban and Environmental Studies)

**GRANTED 9/1/16-5/30/17:** 136 Bachelors, 3 Diplomas, 28 Masters

**STUDENTS IN RESIDENCE:** 1146 Specializations and Majors, 101 Masters, 8 Diplomas, 12 Ph.D.s

**CHAIR:** Pascale Biron

**DEPARTMENT ADMINISTRATOR:** Anne Pollock-McKenna

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Concordia University, Department of Geography, Planning and Environment, 1455 Boul. de Maisonneuve, Bât. West, Montreal, Quebec, Canada H3G 1M8. Telephone (514) 848-2424 extension 2050. E-mail: Geogplanenviro@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 Montreal. It has laboratories for cartography; GIS, and physical geography, and urban planning. 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 international environmental organizations, including the headquarters of the International Union for the Conservation of Nature (IUCN), the Commission on Environmental Cooperation and most recently the Secretariat of Future Earth.

**Undergraduate:** The Department’s curriculum is built around the themes of human environment relationships, the built environment, and environmental science. It offers a full range of B.A. and B.Sc. degrees in these area from a 42 credit Major to a 60 credit Honors or Specialization. BA students take courses in both human and physical geography as well as a range of techniques (GIS, cartographic, statistical, research and field methods). The Department also offers BA programs in Urban Studies and Urban Planning as well as a multi-disciplinary BSc in Environmental Science.

**Graduate:** The Department offers a Doctorate and a Masters of Science in Geography, Urban and Environmental Studies. These programs are 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 are well placed to enter a wide range of careers in environmental, urban planning and public policy fields.

The Department also offers an internship based Masters of Environment (Environmental Assessment) and a course based Graduate Diploma in Environmental Assessment. Our Environmental Assessment programs blend theory, current research, assessment techniques and skills so that students enter internships knowledgeable and well trained. Our interns have been very well received in government, business, industry and NGOs alike.

Areas of established strength are environmental issues and problems, sustainable transportation, urban and metropolitan problems, climate change, river restoration, landscape ecology, community-based conservation, industrial restructuring.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:** Undergraduate degrees at Concordia for out of province students are four-year programs requiring a minimum of 120 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 Masters of Environment (Environmental Assessment) and the Graduate Diploma in Environmental Assessment should have an undergraduate degree in an...
appropriate field plus knowledge of ecology and geographic information systems with graduation GPAs of 3.3 and 2.7, respectively. Deficiencies may be remedied by appropriate undergraduate courses at Concordia. Applicants for the Ph.D. Geography, Urban and Environmental Studies program should have Master of Arts or a Master of Science in Geography, Urban Planning, Environmental Science, or a related field of study from a recognized university. Applicants are selected on the basis of a sound undergraduate academic record, strong letters of recommendation, and a convincing statement of purpose which clearly describes their academic interest in the program and intended area of research. In addition, admission is contingent on the availability of an appropriate faculty member in the Department to serve as supervisor. Teaching assistantships are available within the department, and there are opportunities for students to become Research Assistants in one of our many research facilities. Bursaries and scholarships are also available. Applicants are also encouraged to apply for external scholarships from SSHRC, NSERC, FRQNT, and FRQSC.

FACULTY:
Aiken, S. Robert, Emeritus Professor — Tropical deforestation, Cultural geography, Developing country environmental issues
Akbulut, Bengi, Assistant Professor — Ecological economics, Political ecology and economic geography, Political economy of development, Feminist economies
Anderson, Jacqueline M., Emeritus Associate Professor — Cartographic visualization and design, Map user abilities, Map skills education
Biron, Pascale, Professor and Graduate Program Director (M.Sc.) — Hydro-geomorphology and river dynamics, River management in agricultural watersheds, Geographical Information Systems, Morpho-dynamic numerical modelling, Stream restoration for fish habitat
Caquard, Sébastien, Associate Professor — Mapping narratives, Cinematic cartography, Geomedia and the geoweb
Collard, Rosemary, Assistant Professor — Critical geographies, Political ecology and economic geography, Wildlife trade and management
De la Llata, Sylvano, Assistant Professor — Public space, Participatory community planning, Urban design, Social movements and the right to the city, Urban sociology, Open-source urban systems, Planning history, Urban acupuncture, Urban spatial theory, Subaltern urbanisms
Freeman, James, Assistant Professor (LTA), Undergraduate Program Director (Geography) — Urban social, cultural, and environmental geography of Latin America, Rio de Janeiro Mega-events
Gauthier, Pierre, Associate Professor — Urban morphogenesis, History of development and planning practices in Quebec, Impact of normative planning theories on urban form, Transportation infrastructure and the quality of urban form
Gould, Kevin, Associate Professor — Political ecology, critical geography, conservation and development, Cold War Latin America, Guatemala
Jaeger, Jochen, Associate Professor and Graduate Program Director (M Env) — Landscape ecology, including road ecology, Quantification and assessment of landscape structure and landscape change, Urban sprawl, Ecological modelling, Impact assessment
Kross, Angela, Assistant Professor — Remote sensing, Geographic Information Systems, Ecosystem structure and function, vegetation dynamics, land use change and climate change
Matthews, Damon, Associate Professor — Climate change, Global climate modeling
Muldrennan, Monica E., Associate Professor and Chair — Indigenous resource management, Community-based conservation, Local adaptation to environmental change, Protected areas
Mohapatra, Nalini, Assistant Professor — Postcolonial migrations, Caribbean diaspora, Indentureship
Nash, Alan E., Professor — Cultural geography, Restaurant in Montreal, Gravesstones in Iceland and the Caribbean

Patterson, Zachary, Associate Professor — Modeling of transportation, Land-use and their linkages
Rantisi, Norma, Professor — Industrial restructuring, Social economy, Workforce development
Roy, André, Professor and Dean of Arts and Science — Hydro-geomorphology, Fluvial dynamics
Rutland, Ted, Assistant Professor — History of urban planning, housing, and policing, Race and racialization, Urban political economy
Slack, Brian, Distinguished Emeritus Professor — Transport geography, Maritime transportation, Container shipping, Port planning, Intermodal transportation
St-Jacques, Jeannine, Assistant Professor — Integration of paleoclimate reconstructions with instrumental climate records and climate modelling to address questions of resource management
Thorton, Patricia, Distinguished Emeritus Professor — Population geography, Cultural ecology, Mortality as an indicator of social and environmental justice
Townsend, Craig, Associate Professor — Transportation policy, Projects and politics, particularly in relation to public transit, Urban planning in the developing world
Turner, Sarah, Assistant Professor — Animal responses to environmental change, Primatology

MCGRILL UNIVERSITY

DEPARTMENT OF GEOGRAPHY
DATE FOUNDED: 1945
GRADUATE PROGRAM FOUNDED: 1946
DEGREES OFFERED: B.A., B.Sc., M.A., M.Sc., Ph.D.
GRANTED 9/1/51-8/31/16: 104 Bachelors, 14 Masters, 7 Ph.D.

STUDENTS IN RESIDENCE: 24 Honors, 168 Majors, 169 Minors, 42 Masters, 44 Ph.D.

CHAIR: Nigel Roulet

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 paleocology, 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:
Lea Berrang Ford, Ph.D., Guelph, 2006, Associate 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 — development and development, peasant economy, cultural ecology, Latin America
James Ford, Ph.D., Guelph, 2006, Associate 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 Kalac ska, Ph.D., Alberta, 2006, Associate 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, Professor — fluvial geomorphology
Bernard Lehner, Ph.D., Kassel, 2005, Associate Professor — large-scale modeling of the terrestrial water cycle
Wayne H. Pollard, Ph.D., Ottawa, 1983, Professor — ground ice and geomorphology of cold climates
Mylena Riva, Ph.D., University de Montreal, 2008, Assistant Professor — Indigenous health and health geography
Brian Robinson, Ph.D., Wisconsin-Madison, 2011, Assistant Professor — livelihoods, environment and development
Nancy Ross, Ph.D., McMaster, 1997, 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., McGill, 1985, Professor — hydrology, biogeochemistry of wetlands
Raja R. Sengupta, Ph.D., Southern Illinois, 2000, Associate Professor — GISscience, 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, 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 6/1/15-5/31/16: 26 Bachelors, 23 Masters, 1 Ph.D.
STUDENTS IN RESIDENCE: 15 Majors, 26 Masters, 12 Ph.D.
STUDENTS NOT IN RESIDENCE: 22 Masters, 13 Ph.D.
CHAIR: Patricia Martin
DEPARTMENT ADMINISTRATIVE ASST: Sophie Banville

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Annie Demers, Telephone (514) 343-8052 or Anick Hamel, Telephone (514) 343-6111 extension 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, students specialize in the study of either the physical or the human environment. Courses on environmental thought and spatial analysis are integrated into each specialization. The undergraduate program also counts with an honors program and an international certificate program. Many undergraduates go on to graduate study, or find jobs in the private, non-profit or public sector.

The master’s and PhD programs form the core of our graduate program. Sitting at the intersection of francophone and Anglophone geography, graduate study at the Université de Montréal is highly internationalized and draws on multiple theoretical and linguistic traditions in geography. The department is well supported by external funding agencies, hosts three Canada Research Chairs (in the political economy of food and well-being, atmospheric biogeoosciences, and...
urban water governance) and has numerous dynamic research groups and laboratories (migration and urbanization; GIS and complex systems; development; remote sensing; water governance; biodiversity and indigenous peoples; biogeography and environmental change; soil science; transportation geography; fluvial and aeolian geomorphology; and cold regions geomorphology). Two GIS labs, the Geography library and the map library are located on the premises and offer an excellent range of research and training resources and tools for students. The Department of Geography has developed strong ties with several research centers within the university (International Studies; Asian studies; Latin American studies; transportation and networks; Institute for Sustainable Development) as well as with other universities in Latin America, Europe and Canada.

The department also offers several professional degrees, including short programs in spatial analysis and applied Geography. We also offer a professional M.Sc degree with internships in the work place.

**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 research master’s program has fewer course requirements, allowing students time to develop a thesis project, conduct fieldwork, and complete analysis and writing. The second, a professional master’s program, requires that students complete 18 credits of coursework as well as an internship or two professional written reports. Admission requirements include a Bachelor’s degree in geography or in a related field with a GPA of 3.0. The Ph.D. program is designed to train students in cutting edge research in two or three subfields in geography while they work to complete their dissertation. Required coursework (9 credits) is completed within the first year, after which students complete their qualifying exams and project proposal. A central goal of the program is to provide students training in academic publishing as well as university instruction. Admission requirements include a Master’s degree in geography or related field and a demonstrated potential for research. Financial assistance is available through university and departmental fellowships, faculty research grants and teaching and research assistantships offered by the department.

**FACULTY:**

**Pierre André, Ph.D., U. de Montréal, 1985, Associate Professor (retired) — environmental studies; environmental impact assessment**

**Nicolas Bélanger, Ph.D., Montréal, 2000, Adjunct Professor — environmental sciences**

**Olivier Blarquez, Ph.D., École Pratique des Hautes Études, France, 2011, Assistant Professor — Biogeoscience, paleoecology, geographies of fire, disturbance ecology**

**Christopher Bryant, Ph.D., London School of Economics, 1970, Full Professor (retired) — urban systems, regional development, spatial organization, rural land use**

**François Cavayas, Ph.D., Laval University, 1983, Full Professor — remote sensing, geographic information systems**

**Claude Comtois, Ph.D., Hong Kong, 1980, Full Professor — transportation, China**

**Paul Comtois, Ph.D., Laval University, 1982, Full Professor — aerobiology, palynology, aeromycology**

**Francois Courtene, Ph.D., McGill, 1988, Full Professor — soil science, biogeochecmistry**

**Rodolphe De Koninck, Ph.D., Singapore, 1970, Full Professor (retired) — Southeast Asia, Agriculture and environment**

**Daniel Fortier Ph.D., Laval University, 2005, Associate Professor — cold regions geomorphology**

**Jan Fransen, Ph.D., McGill, 2012, Assistant Professor — fluvial geomorphology**

**Kathryn Farlong, Ph.D., University of British Columbia, 2007, Associate Professor — Canada Research Chair in urban water governance and public services**

**François Girard, Ph.D., Laval University, 2008, Assistant Professor — GIScience; biogeography, forestry**

**Nicole Gombay, Ph.D., Queen’s University, 2003, Associate Professor — economic geography, indigenous geographies**

**Thora Herrmann, D. Phil, University of Oxford, 2004, Associate Professor — indigenous geographies, biodiversity**

**Violaine Jolivet, Ph.D., Université de Paris 1 - Sorbonne, 2010, Assistant Professor — urban geography; mobility; Caribbean**

**James Stephen King, Ph.D., University of Guelph, 2008, Assistant Professor — aeolian geomorphology; arid regions**

**Claude Marois, Ph.D., Laval University, 1980, Full Professor — population; metropolitan areas; spatial analysis**

**Patricia Martin, Ph.D., University of Colorado, 1997, Associate Professor — development, gender, political violence, Latin America**

**Liliana Perez, Ph.D., University of Victoria, 2011, Assistant Professor — GIScience; complexity theory; forest dynamics**

**Sébastien Rioux, Ph.D., York University, 2012, Assistant Professor — Canada Research Chair in the political economy of food and well-being**

**André G. Roy, Ph.D., SUNY-Buffalo, 1982, Professor Emeritus — Fluvial geomorphology**

**Brian Slack, Ph.D., McGill, 1972, Adjunct Professor — transportation geography**

**Oliver Sommentag, Ph.D., U. of Toronto, 2008, Assistant Professor — Canada Research Chair — Atmospheric biogeosciences in High Latitudes**

**Benoit St-Onge, Ph.D., Université de Montréal, Adjunct Professor — Remote sensing, forestry**

**Julie Talbot, Ph.D., McGill, 2010, Assistant Professor — biogeography, environmental change, modeling**

**Rémy Tremblay, Ph.D., Université d’Ottawa, 2000, Adjunct Professor — social and cultural geography, tourism**

**UNIVERSITÉ DE SHERBROOKE**

**DEPARTMENT OF APPLIED GEOMATICS**

**DATE FOUNDED:** 1963

**DEGREES OFFERED:** BSc in environmental geomatics, MSc in geographic science, PhD in remote sensing

**GRANTED 09/2015 – 08/2016 :** 54 Bachelors, 23 Masters, and 3 Doctoral degrees

**STUDENTS IN RESIDENCE 09/2015 – 08/2016 :** 52 Specializations, 52 Masters and 31 Doctoral students

**CHAIR:** Lynda Bellalite

**DEPARTMENT ADMINISTRATIVE ASSISTANT:** Marcel Laperle

**FOR CATALOGUE AND FURTHER INFORMATION, WRITE TO:** Département de géomatique appliquée, Université de Sherbrooke 2500, boul. de l’Université, Sherbrooke, Québec, Canada, J1K 2R1 E-mail: odile.couture@usherbrooke.ca Internet: https://www.usherbrooke.ca/geomatics/

**PROGRAMS AND RESEARCH FACILITIES:** The Université de Sherbrooke is a French-speaking institution spanning six campuses in four cities and two provinces. Each year, it welcomes nearly 40,000 students from more than 88 countries. Recognized as a people-oriented institution, the Université de Sherbrooke stands out for its involvement in sustainable development, its program for free access to mass transit, and its co-operative system, which alternates semesters of academic study with paid work internships. The Department of Applied Geomatics is located on the main Sherbrooke campus in Estrie, renowned for being a dynamic, stimulating, and friendly educational setting.
Undergraduate: The Department offers a specialized undergraduate degree (90 credits), including 33 credits in geomatics (geopositioning, mappers, remote sensing, image processing, database management, spatial modeling, aerial-photo analysis) and 24 credits in theme-based activities related to the environment (aquatic and terrestrial ecosystems, spatial demography, watersheds, urban planning, transportation). The program, which uses a project-based approach, enables students to develop their practical skills through actual projects submitted by the faculty. Students can opt to study on a regular or co-op basis, either full- or part-time. Four doctoral streams are available: applied geomatics, remote-sensing physics, digital-image processing, and interdisciplinary approach to the environment. Enrollment is full-time. In addition to these programs, the Department offers a graduate microprogram in geomatics (15 credits) and a graduate diploma in applied geomatics (30 credits) that can be taken on a full- or part-time basis.

The Department's physical resources include the Centre d'applications et de recherches en télédiffusion (CARTEL or center for remote-sensing applications and research), one of Canada's leaders in this field. The center is dedicated to advancing remote-sensing knowledge and its applications to Earth observation. The Department currently benefits from the Canada Research Chair in Terrestrial Observation and Phytoplankton Ecophysiology. In addition, the Department has three laboratories (environmental analysis, spectroradiometry, and image processing and GIS) as well as an environmental-research station (Site Interdisciplinaire de Recherche en Environnement Extérieur or SIRENE [interdisciplinary research site on the exterior environment]).

The Department also brings together renowned specialists in a variety of fields of application such as terrestrial (e.g., forestry and biology) and marine (e.g., oceanography) ecosystems; the atmosphere (e.g., physics and mathematics; water and snow (e.g., climatology); urban environment (e.g., geography, transportation, and land-use planning); and environmental risks (e.g., geomatics and topography). Some research projects are paired with industry internships and/or international activities. The Department of Applied Geomatics is comprehensively designed to allow students to embark on specialization, expand their knowledge, and develop research skills.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: Admission to the undergraduate degree requires a diploma of collegial studies (DEC) in natural sciences, computer science and mathematics, or geomatics technology, or a general diploma including differential calculus. The regular program consists of six semesters. The co-op stream alternates academic study with paid work internships.

Admission to the master's program requires an undergraduate degree in geomatics, geographic sciences, or the equivalent. Moreover, candidates must have a cumulative average of 2.7 on a scale of 4.3. Admission to the doctoral program requires a master's degree in remote sensing, geodesy, or geography, or the equivalent in a related field. Moreover, candidates must have a cumulative average of 3.2 on a scale of 4.3.

Admission to graduate programs (research-based master's and doctorate programs) is based on the candidate's university transcripts, letters of recommendation, and a faculty member's consent to supervise the candidate's research. Candidates are encouraged to apply to funding agencies (e.g., NSERC or FRQNT) for a scholarship. Positions for correctors, research assistants, and teaching assistants are also available. Moreover, research supervisors can provide funding for their students.

FACULTY
Lynda Bellalite, PhD, University of Montréal, (1992), Full Professor — land-use planning, urban planning, transportation, road safety
Goze Bertin Bénié, PhD, Laval University (1987), Full Professor — health and epidemiology, agricultural geomatics, natural disasters, civil protection
Richard Fournier, PhD, Laval University (1997), Full Professor — characterization of forest and wetland environments, spatial analysis
Kalifa Goïta, PhD, Université de Sherbrooke (1995), Full Professor — snow-cover hydrology, change analysis
Yannick Huot, PhD, Dalhousie University (2005), Associate Professor — oceanography, surface hydrology, water quality
Alexandre Langlois, PhD, University of Manitoba (2007), Associate Professor — monitoring of extreme Arctic climatic events, enhancement avalanche-risk prediction, snow modeling, caribou-habitat quality
Ramata Magaggi, PhD, Toulouse Institute of Fluid Mechanics (1995), Full Professor — passive microwave and radar remote sensing, characterization of semi-arid environments, snow water equivalent
Norm O’Neill, PhD, York University (1982), Full Professor — characterization and modeling of atmospheric parameters, atmospheric pollution
Alain Royer, PhD, University of Grenoble (1981), Full Professor — Northern environment, ecosystem monitoring, characterization of atmospheric aerosols, climate change, snow-cover monitoring and development
Jérôme Théau, PhD, Laval University (2004), Associate Professor — conservation and biodiversity, plant ecosystems, wildlife habitats, landscape fragmentation, ecological corridors, impacts of management practices on ecosystems, impact infrastructure and human activity, environmental indicators

LATIN AMERICA

ARGENTINA

INSTITUTO DE GEOGRAFÍA “ROMUALDO ARDISSONE” DE LA UNIVERSIDAD DE BUENOS AIRES

TIPO DE INSTITUCION: Pública, académica
ACTIVIDAD PRINCIPAL DE LA ASOCIACIÓN: Investigación
FECHA DE FUNDACION: 1947
SITIO WEB: http://geografia.institutos.filo.uba.ar/

PARA MAS INFORMACION CONTACTAR: Jorge Oscar Blanco, Director, Puán 480 - 4°1406 - Ciudad Autónoma de Buenos Aires Argentina, Teléfono: 54-11-4432-0606, Fax: 54-11-4430-0121, interno 169 iggeo@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 representados 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 nuclean 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.

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 – Indegeo 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.

Grupo de estudios Cultura, naturaleza, territorio. De reciente constitución, se propone dar respuesta a tu problemas surgidos respecto de los procesos y articulated vinculadas con la globalización, un ámbito colectivo de reflexión, producción y difusión en torno a tres interrogantes centrales: ¿Qué papel han jugado las ideas sobre la naturaleza y la cultura en los procesos de producción territorial? ¿Qué implicancias han tenido las transformaciones territoriales en la producción de ideas sobre la naturaleza y la cultura? ¿Cómo ha construido y construye la Geografía, en tanto saber disciplinar, sus modos de mirar, comprender e imaginar la cultura y la naturaleza en su relación con los procesos de producción territorial? Los debates pasados y presentes en las áreas de Estudios Culturales, Estudios Visuales, Estudios sobre Urbanización, Historia de las Ideas, Historia Territorial y Ambiental, Filosofía de las Técnicas, Economía Urbana, Geografía Histórica, Cultural y Económica nutren teórica y metodológicamente los puntos de vista de este Grupo de Estudios.

**MIEMBROS:** El Instituto cuenta actualmente con cerca de 100 integrantes, entre los que se encuentran investigadores con diversos grados de formación, becarios, tesistas y alumnos que realizan sus primeras prácticas de investigación.


Cuadernos de Territorio: http://geografia.institutos.filologia.uba.ar/grupo/cuadernos-de-territorio

Revista Transporte y Territorio: http://revistascientificas.filologia.uba.ar/index.php/rtt
TITULOS OFRECIDOS:
Técnico Superior Universitario en:
Sistemas De Información Geográfica

RESPONSABLE DE LA CARRERA:
Lic. Leonardo Di Franco

PLAN ACADÉMICO:
En total, el plan de estudios está conformado por 21 asignaturas (incluidos dos niveles de inglés) por un total de 1751 horas de clase. Las asignaturas contenidas en el plan de estudio responden al perfil que se pretende formar y se organizan en cuatro ejes: formación general, análisis territorial, formación en SIG (incluida la formación en softwares específicos y de uso más general y en cartografía) y práctica pre-profesional. Las materias de formación general tienen que 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 Intermenciones (diagnóstico ambiental) 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 Intermenciones (diagnóstico ambiental) (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 materias más generales como Introducción a la cartografía, sensores remotos y sistemas de información geográfica y aquellas más específicas como Programas de SIG (donde se enseñará ARC GIS, entre otros programas). Dentro de las materias referidas a los sistemas de información geográfica, cartografía y teledetección se incluyen: Teledetección y procesamiento de imágenes satelitales. Interpretación digital de imágenes satelitales. Interpretación de imágenes. Sistemas de Información Geográfica:

Contenidos mínimos de las materias:

**Eje de formación general**


**Laboratorio Intermenciones (diagnóstico ambiental):**
Identificación y resolución de un problema de conocimiento surgido a partir de un problema real en el marco de la realización de un diagnóstico ambiental municipal. El desarrollo de la asignatura se realiza bajo la modalidad de trabajo en taller a través de la resolución de un problema real.

**Problemas socioeconómicos contemporáneos, PSEC:** De la “República posible” a la experiencia peronista. De la crisis del populismo al modelo neoeconservador. 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:**

**Inglés I:**

**Inglés II:**

**Laboratorio Intermenciones (diagnóstico ambiental):**
Identificación y resolución de un problema de conocimiento surgido a partir de un problema real en el marco de la realización de un diagnóstico ambiental municipal. El desarrollo de la asignatura se realiza bajo la modalidad de trabajo en taller a través de la resolución de un problema real.

**Problemas socioeconómicos contemporáneos, PSEC:** De la “República posible” a la experiencia peronista. De la crisis del populismo al modelo neoeconservador. 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:**

**Inglés I:**

**Inglés II:**

**Eje de análisis territorial**


**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 II:** 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:** 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:** 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:** 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 GEOGRAFÍA 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, Arquitectura.

**CANTIDAD DE ALUMNOS DE GRADO ENTRE TODAS LAS CARRERAS DE GRADO:** 1682 Alumnos

**CANTIDAD DE ALUMNOS DE DOCTORADO y de MAESTRÍA:** 72 Alumnos

**DIRECTORA DEL DEPARTAMENTO:** Mg. Stella Maris Visciarelli

**SECRETARIA ACADÉMICA DEL DEPARTAMENTO:** Mg. Cecilia Rodríguez

**DIRECTOR DEL PROGRAMA DE POSGRADO PARA DOCTORADO:** Dr. Roberto Bustos Cara

**DIRECTOR DEL PROGRAMA DE POSGRADO PARA MAESTRÍA:** Dra. Alicia Campo

**SECRETARIA DE POSGRADO:** Dr. Jorge O. Gentili

**SECRETARIA DE EXTENSIÓN:** Lic. María Paula Michalijos

**PARA MÁS INFORMACIONES, FAVOR DE ESCRIBIR A:**


**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: Centro de Documentación y Producción Cartográfica, Laboratorio de Cartografía Digital, Laboratorio de Geotecnologías (LabGeoT), 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 Interés Regional-), Cursos de Capacitación, de Perfeccionamiento y de Actualización para Docentes, Organización de Jornadas, Encuentros y Congresos.

**PROGRAMA DE POSGRADO:** El Doctorado y Magíster en Geografía es personalizado, los alumnos deben obtener 100 horas entre cursos y seminarios para el Doctorado y los 80 para la Maestría. Cada año en el mes de marzo se publica el calendario con los cursos ofrecidos. Colaboran en el dictado de los mismos profesores de Universidades Nacionales y del exterior. Las temáticas responden a las diferentes temáticas de los tesistas.
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 ejercer toda actividad relacionada con 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 con 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, Gobiernos) o de iniciativa 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 temporal bajo la forma de consultoría o asesoría a requerimiento de organismos públicos o privados.

Arquitectura
Duración: 5 años
Las incumbencias de los Arquitectos son: Diseñar, proyectar, dirigir y ejecutar la concreción de los espacios destinados al hábitat humano, obras de recuperación, renovación, rehabilitación y refuncionalización de edificios, conjuntos de edificios y de otros espacios. Proyectar, dirigir y ejecutar la construcción de edificios, conjuntos de edificios y los espacios que ellos conforman, con su equipamiento e infraestructura y otras obras destinadas al hábitat humano y todo lo concerniente a la higiene y seguridad en obras de arquitectura. Efectuar la planificación arquitectónica y urbanística de los espacios destinados a asentamientos humanos. Realizar estudios e investigaciones referidos al ordenamiento y planificación de los espacios que conforman el hábitat y a los problemas relativos al diseño, proyecto y ejecución de obras de arquitectura. Participar en planes, programas y proyectos de ordenamiento físico-ambiental del territorio y de Participar en la elaboración de normas legales relativas al ordenamiento y planificación de los espacios que conforman el hábitat humano. Realizar arbitrajes, peritajes, tasaciones y valoraciones relacionadas con el ordenamiento y planificación de los espacios que conforman el hábitat y con los problemas relativos al diseño, proyecto y ejecución de obras de arquitectura.

PLAN ACADÉMICO, 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 administrá 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
Angelas, Guillermo Raúl—GIS y Teledetección
Bagual, Cécilia Beatriz—Geografía Rural y Teoría del Planeamiento
Beneditti, Graciela—Biogeografía Cultural y Teoría y Epistemología de la Geografía
Bustos, Roberto Nicolás—Desarrollo Territorial y Geografía Regional
Argentina
Campo, Alicia María—Geografía Física
Caramelli, Subrina Maricel—Turismo y Organización de los Servicios Turísticos
Ercolani, Patricia Susana—Geografía del Turismo
Fittipaldi, Rosa Angela—Geografía Histórica y Geografía Económica, Política y Social
Galucci, Soledad—Gestión de la Calidad en Turismo
Garriz, Eduardo Julio—Geografía Urbana
Gerald, Alejandro—GIS y Teledetección
Gil, Valeria—Congresos y Convenciones
Gil, Verónica—Geografía Física
Guerrero, Ana Lía Del Valle—Geografía de América y Oceanía y Geografía Turística
Haag, María Isabel—Geografía de los Recursos Turísticos
Jonke, Brenda Laura—Turismo y organización de los Servicios Turísticos
Lorda, Maria Amalia—Didáctica y Práctica de la Geografía
Melo, Walter—Cartografía Náutica
Minervino, Mario Roberto—Patrimonio Histórico y Cultural
Monachesi, Alejandra—Gestión Ambiental y Metodología de la Investigación Rural
Perea, Maria Ines—Técnicas y Metodología de la Investigación en Geografía
Piccolo, Maria Cintia—Hidrografía y Oceanografía
Prieto, María Natalia—Didáctica y Práctica de la Geografía
Rodriguez, Cecilia—Planeamiento Turístico
Rosake, Paola Alejandra—Introducción al Turismo
Rosell, María Patricia—Geografía Ambiental de la Argentina
Rubio, María Laura—Cartografía Automatizada
Sili, Marcelo Enrique—Organización y dinámica del espacio rural y Mercosur
Tonellotto, Sandra—Geografía Regional Argentina
Treltini, Mauro—Análisis Cuantitativo de la Actividad Turística
Uboldi, Julio Alberto—GIS y Teledetección
**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 María 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

**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 que planteamos una división interna de la carrera en las siguientes áreas: Fisico-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 elaborarán 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-perifera 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 6:** Región del Noreste Argentino. 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.

**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.


**PROGRAMS AND RESEARCH FACILITIES:** El Instituto de Estudios Geográficos “Dr. Guillermo Rohmeder” 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 laborales docentes en la carrera de grado (Profesorado y Licenciatura en Geografía) y postgrado. Actualmente el I.É.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 Philipp-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.


Publicaciones
Revista Breves Contribuciones del IEG, editada por el IEG
Población y Sociedad, editada por la Fundación Vocavil

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: En el área de la Geografía, por medio de un trabajo concensuado 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 respondido 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 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, 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  Email bolsi@filo.unt.edu.ar.
Secretaria: Lic. Noemí López E-mail nlopez@filo.unt.edu.ar.

FACULTY:

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,
IngenieríaGeográfica, Maestría en Geopolítica de los RecursosNaturales, Maestría en Teledetección y SIG
ESTUDIANTES ACTUALES: Ingeniería: 422 (2014); Maestría: 64
DIRECTOR: Msc. Erwin Galoppo von Borries
PAGINA WEB: www.geografia.umsa.bo

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 Magíster 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:

Arq. Bertha Gozalves Kreucer, 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, Geografía
Ing. Edmundo Flores, Docente Titular, Climatología e Hidrología
Ing. Raoul Ayala, Docente Titular, Evaluación de Impactos Ambientales, Conservación el Medio Ambiente
Lic. Roberto Viscafe, Docente Titular, Métodos de Investigación, Estadística
Ing. Oscar Vidaurre, Docente Titular, Ecología, Biogeografía
PhD. Yuri Sandoval, Docente Titular, Sistemas de Información Geográfica
Lic. Raúl Salas Pilado, 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 - AGB

TYPE OF INSTITUTION: Sociedade profissional/ Associação científica
PRIMARY ACTIVITY: Pesquisa
DATE OF FOUNDATION: 1934
WEBSITE: www.agb.org.br

FOR INMFORMATION CONTACT: José Gilberto de Souza, 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 Defontaine, 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 Morais Rego, Rubens Borba de Morais 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, 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 fines
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 seus aperfeiçoamento; Manter intercâmbio e colaboração com outras entidades brasileiras e internacionais dedicadas a aspectos da Geografia 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, por uma 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.

**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:

<table>
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<tr>
<th>Seção Local</th>
<th>Endereço</th>
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<tr>
<td>Aquisauna</td>
<td><a href="mailto:aquisauna@agb.org.br">aquisauna@agb.org.br</a></td>
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<tr>
<td>Aruajá</td>
<td><a href="mailto:aruajajabara@agb.org.br">aruajajabara@agb.org.br</a></td>
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<td>Baixo Amazonas</td>
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<td>Belém</td>
<td><a href="mailto:bel@agb.org.br">bel@agb.org.br</a></td>
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<td>João Pessoa</td>
<td><a href="mailto:joaopessoa@facebook.com.br">joaopessoa@facebook.com.br</a></td>
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<td>Juiz de Fora-MG</td>
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<td>Manaus</td>
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<td>Mareschal Cândido Rondon-PR</td>
<td><a href="mailto:mcrondon@agb.org.br">mcrondon@agb.org.br</a></td>
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<tr>
<td>São Paulo</td>
<td><a href="mailto:sp@agb.org.br">sp@agb.org.br</a></td>
</tr>
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**Estrutura e Organização:** Da Estrutura Administrativa Art. 10 - A AGB será organizada nos níveis nacional e local. Art. 11 - A nível nacional será constituída a Assembleia 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 Assembleia 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.

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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

PROGRAMS OFFERED: METAS 2011 - Atuar na defesa das
atribuições dos Geógrafos, dentro do Sistema CONPEA;
- Participação na elaboração da Matriz do Conhecimento Geográfico
(Resolução 1.012) - Deliberar funções para cada membro da
APROGEO/SC; - Proporcionar facilidades para constituição e funcionamento de
congressos, reuniões, conferências e exposições de interesse dos
Geógrafos de órgãos oficiais e particulares; i) Participar de
programas educacionais, cursos, seminários, congressos, entre outras
manifestações das entidades. - Elaborar materiais educativos e informativos
utilizados para sua divulgação. - Participear de atividades que visem
aumentar a visibilidade e o reconhecimento de profissão de Geógrafo.

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:
- Propiciar 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
pertenentes 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 às
topografia, geodésia, cartografia, geomática, fisiografia, biogeografia,
recursos hídricos, antropogeografia, geoeconomia, Geografia Legal e
divulgação/disseminação da informação que, direta ou indiretamente
conformam 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.

STRUCTURE AND DESCRIPTION OF ORGANIZATION: DA
ESTRUTURA DA ENTIDADE DAS ASSEMBLÉIAS GERAIS
ART. 11º - As Assembleias Gerais Ordinárias e Extraordinárias são
instâncias máximas da entidade e soberanas em suas resoluções.
PARÁGRAFO - 1º - As sessões das Assembleias 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
do voto, 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
depois da convocação, ou com qualquer número, em segunda
convocação, 30 minutos após a primeira deliberando por
maioria dos votos, pelo número de presentes.
PARÁGRAFO - 3º - As sessões das Assembleias Gerais
Extraordinárias serão anunciadas com 7 (sete) dias de antecedência,
através do edital. Realizar-se-ão com um mínimo de dois terços dos
Asociados 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 Assembleias Gerais ocorrerão, no mínimo, a cada seis meses.
PARÁGRAFO - 5º - As Assembleias 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
de uma sessão presencial para que eles tenham o direito de provê-la. ART. 12º - Os
trabalhos das Assembleias Gerais serão presididos por Diretoria
Executiva. ART. 13º - Compete à Assembleia 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.
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/matrículaweb/graduacao/
ocurriculo.aspx?cod=3859
http://vsites.unb.br/ih/novo_portal/portal_gea/sise/revista/diversas/index.htm

CONTATO PROGRAMA DE BACHARELADO:
Fernando Luiz Araújo Sobrinho, geografia@unb.br

CONTATO PROGRAMA DE POS GRADUAÇÃO:
Rafael Sánzio Araújo dos Anjos, geografia@unb.br

CENTROS DE PESQUISA: Instituto de Ciências Humanas

SITE DA INTERNET:
http://vsites.unb.br/ih/novo_portal/portal_gea/index.html

CONTATO PARA MAIS INFORMAÇÕES: Fernando Luiz Araújo Sobrinho, Chefe de Departamento, Brasília,
Telefone: 0xx61.3107.7253, geografia@unb.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA:

APRESENTAÇÃO O curso de Geografia na Universidade de Brasília é ministrado há 39 anos. Desde a sua criação consolidou-se como grande formador de profissionais no mercado local e nacional. Atualmente, o curso conta com 307 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, 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 Geologia, Engenharia Florestal, Sociologia, 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 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 pesquisas, seja ela de campo ou teórica e ter grande percepitividade. 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 Geoinformática 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

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 obtem 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 Araújo 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: Dante F.C. Reis Jr Doutor em Geografia Área de Pesquisa: História e Teoria da Geografia, Ensino de Geografia

DOCENTE PERMANENTE
Claudia Andreoli Galvão Doutora em Economia Área de Pesquisa — Desenvolvimento Regional, Descentralização Industrial, Novas Territorializações
Everaldo Batista Costa Doutor em Geografia Área de Pesquisa — Geografia, Cultural, Urbana e do Turismo
Gloria Maria Vargas Doutora em Geografia Área de Pesquisa — Geografia Política e Econômica. Desenvolvimento Regional
Juan Verdesio Bitancurt Doutor em Cartografia Área de Pesquisa
Lucía Cony Faria Cidade Doutora em Planejamento Urbano e Regional
Mári 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

Mário 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, Geografia Humana, Educação
Nelba Azevedo Penna Doutora em Geografia Área de Pesquisa — Planejamento Urbano, Geografia Humana, Educação
Osmar Ablísio de Carvalho Júnior Doutor em Sensoreamento Remoto e Fotointerpretação Área de Pesquisa — Sensoreamento Remoto e Fotointerpretação
Rafael Sanzio Araújo dos Anjos Doutor em Cartografia Área de Pesquisa — Cartografia Temática, Sensoriamento Remoto para estados 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 Sensoreamento Remoto e Fotointerpretação Área de Pesquisa — Cartografia, Fotointerpretação, Sensoriamento Remoto e Sistemas de Informações Geográficas
José Aparecido Trancoso Gomes Doutor em Geografia Área de Pesquisa — Geografia Física e Meio Ambiente

Roseli de Oliveira Nascimento Doutora em Geografia Área de Pesquisa — Geografia Física e Meio Ambiente
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 Doutoranda em Geografia Área de Pesquisa — Geografia Agrária e Movimentos Sociais no campo
Waleska Valença de Souza Doutora em Geografia Área de Pesquisa — Desenvolvimento Regional, Descentralização Industrial, Novas Territorializações
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/portalais/curso191/
https://ucsvirtual.ucs.br/portalais/curso139/
CONTATO PARA PROGRAMA DE BACHARELADO/POS GRADUAÇÃO: Rozalia Brandão Torres, rbtorres@ucs.br

BACHARELADOS OUTORGADO ANUALMENTE:
curso em implantação, ainda sem ter ocorrido uma turma egressa

POS GRADUAÇÃO OUTORGADO ANUALMENTE: 17
SITE DA INTERNET: http://www.ucs.br/portalais/curso191/

CONTATO PARA MAIS INFORMAÇÕES: Fernando Ben, Diretor do Centro, Bento Gonçalves, Rio Grande do Sul, Brasil, Telefone: 5193340189, Fax: 5434495200, zaiazinn@gmail.com e rbtorres@ucs.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: Compõem, entre outras, as seguintes disciplinas presentes nos cursos de licenciatura e bacharelado em Geografia da Universidade de Caxias do Sul:


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.


GEOGRAFIA DO BRASIL I - Ementa - Estudo das características físico-naturais do território brasileiro, das diferentes paisagens e os seus fatores determinantes.


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.


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.


PROFESSORES: São professores das disciplinas específicas do curso: Ivariara Falcade, Doutora em Geografia - viticultura e indicações geográficas; Adriana Trinidad, Mestrado em Geografia - Viagens...
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 Turma: Matutino e Noturno Duração: 4 anos 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 continúo 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 trabalho e análise da informação geográfica com ênfase na elaboração de mapamentos; atuar como professor em conformidade com a legislação vigente.

DOCENTES:

Linha de Pesquisa e Orientação Adriana Castreghini de Freitas Pereira — Topografia
Airtón Nozawa — Aerofotogrametria
Alice Yaityo 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, Analise ambiental, Gestão de recursos hídricos subterrâneos
Carlos Alberto Hirato — Geografia Física
Claudio Roberto Braqueto — Geografia industrial, Geografia regional, Geografia agrária
Cleuber Maques 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
Elane Tomiasi Paulino — Geografia agrária, Geografia e ensino, Analise regional, Epistemologia da geografia
Eloíza Cristiane Torres — Geomorfologia, Recursos naturais, Ensino de geografia, Dinâmica do paisagismo
Fábio Cesar Alves Cunha — Planejamento urbano e regional, Geografia urbana, Analise e planejamento ambiental, Discourse e representações geográficas, Geografia e ensino
Fernanda Leite Ribeiro — Topografia
Geraldo Terceiro Correa — Biogeografia, Recursos naturais, Hidrogeografia, Geomorfologia, Analise ambiental
Idelton de Souza Antonello — Geografia agrária, Geografia regional, Epistemologia da geografia, Ensino de geografia
Jeani Delgado Paschoal Moura — Geografia agrária, Geografia e ensino
José Paulo Peccinni Pinese — Geologia, Geomorfologia, Analise ambiental, Geografia e turismo
Lúcia Helena Bliotta Grattá — Geomorfologia, Geografia e ensino, Analise 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 Fávaro 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, Analise ambiental
Nilson Cesar Fraga — Planejamento Urbano e Regional, Analise Ambiental, Território, Rede e Poder, Meio Ambiente e Desenvolvimento
Nilza A.P. Freres Stipp — Análise ambiental de áreas impactadas, Analise ambiental em ciências da Terra, Uso, ocupação e manejo do solo
Omar Neto Fernandes Barros — Cartomática, Geoprocessamento
Osvaldo 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, Analise 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 Fucaludo — Analise regional, Planejamento urbano e regional, Geografia e ensino, Analise ambiental, Recursos naturais

UNIVERSIDADE ESTADUAL DO OESTE DO PARANÁ

COLEGIADO DO CURSO DE GEOGRAFIA, CAMPUS DE MAL. CÂNDIDO RONDON

FUNDADO: 1997

PROGRAMAS: Licenciatura; Mestrado

CONTATO PROGRAMA DE LICENCIATURA:
rondon.col.geografia@unioeste.br

CONTATO PROGRAMA DE POS GRADUACAO:
mestrado.geografia.mcrondon@gmail.com

CENTROS DE PESQUISA: Centro de Ciências Humanas, Educação e Letras

SITÉ DA INTERNET:
http://www.unioeste.br/cursos/rondon/geografia/

CONTATO PARA MAIS INFORMAÇÕES: Colegiado do Cusso de Geografia: (45) 3284-7851

PROGRAMAS E INSTITUÍÇÕES DE PESQUISA:
APRESENTAÇÃO: O Curso de Geografia do Campus de Marechal Cândido Rondon iniciou suas atividades acadêmicas no ano de 1997. Desde a sua implantação, buscou-se desenvolver as atividades de ensino, pesquisa e extensão, respondendo à necessidade de formação de professores de Geografia para atuar no ensino fundamental e médio
da região. Atualmente, 120 alunos compõem o corpo discente.
HABILITAÇÕES: O Curso de Geografia oferece habilitação na área de Licenciatura. São abertas 40 vagas por ano para alunos ingressantes. As disciplinas são realizadas no período noturno. A carga horária total é de 2.920 horas. Para a conclusão do curso, o aluno deve permanecer na universidade no mínimo 4 anos e no máximo 7 anos.

OBJETIVOS DO CURSO: Capacitar para a formação de professores de Geografia do Ensino Fundamental e Médio priorizando a discussão teórico-methodológica e sua aplicabilidade para a compreensão e construção de conhecimentos e habilidades voltadas à formação do professor.

O ESTUDANTE DE GEOGRAFIA: O estudante necessita desenvolver competências e habilidades que contribuam para a formação do geógrafo em sua integralidade, aliado ensino e pesquisa, bem como capacitem de forma sólida para o exercício da profissão.

LABORATÓRIOS: Os laboratórios e grupos de pesquisa que integram o curso de Geografia são: o Grupo Multidisciplinar de Estudos Ambientais (GEA); o Laboratório de Ensino de Geografia (LEG); o Laboratório de Estudos Regionais (LABEL); o Grupo de Estudos Fronteiriços (GEF); o Laboratório e Grupo de Pesquisa Geografia das Lutas no Campo e na Cidade (GEOLUTAS); e o Grupo de Ensino e Práticas de Geografia (ENGEO).

PROGRAMA ACADÊMICO, REQUISITOS DE ADmissão, AJUDA FINANCEIRA: O ingressante cursa 2920 horas/aula, distribuídos em disciplinas de formação geral (17 disciplinas), de formação diferenciada (5 disciplinas), estágio supervisionado (3 disciplinas), trabalho de conclusão de curso (1) e atividades acadêmicas complementares (200 horas). O curso é gratuito, oferecido por instituição pública.

PROFESSORES: COORDENADOR:
Fábio de Oliveira Neves. Doutor em Geografia — sustentabilidade; governança do ambiente urbano e gestão de resíduos sólidos.

DOCENTE PERMANENTE:
Edson Belo Clemente de Souza. Doutor em Geografia — Geografia Urbana e Regional: planejamento urbano e regional; fronteira; metropolização; turismo.
Edson dos Santos Dias. Doutor em Geografia Humana — Ordenamento territorial e meio ambiente; conflito socioambiental e unidades de conservação da natureza; conflito socioambiental em áreas urbanas
Ericson Hideki Hayakawa. Doutor em Sensoriamento Remoto — Geotecnologias (sensoriamento remoto e geoprocessamento) e suas aplicações em geografia e geociências.
Linete Hornes. Doutora em Geografia — Análise de paisagens subtrópicas; feições geomorfológicas (Campos Gerais); geoturismo; análise ambiental e geologia da saúde.
Jônio Edmilson Fabrini. Doutor em Geografia — movimentos sociais, lutas camponesas, assentamentos de sem-terra, reforma agrária, cooperativas agrícolas.
Márcia Regina Calegari. Doutora em Agronomia — estudo do solo como registro de mudanças ambientais; análise de fótilitos aplicada em estudos de reconstrução paleoambientais e coleções de referências.
Maristela Ferrari. Doutora em Geografia — Fronteira; limite; interações transfronteiriças e cidades gêmeas.
Mateus Marchesan Pires. Mestre em Geografia — Ensino de Geografia
Oscar Vicente Quinônes Fernandez. Geociências e Meio Ambiente — Bacia hidrográfica; dinâmica fluvial; restauração de cursos fluviais.
Tarcísio Vanderlinde. Doutor em história — Agricultura familiar e camponesa; história; globalização; mediações; geografia e religiosidades; migrações; identidades e ambiente.
Vanda Moreira Martins. Doutora em Agronomia — Ciências Exatas e da Terra; Geografia Física; Pedologia; Geomorfologia; Meio Ambiente.

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. Anônico Carlos Tavares, atavares@rc.unesp.br
POS GRADUAÇÃO 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 (Período 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:

Profa. Dra. Andréia Medinilha Pancher — Cartografia, Cartografia Temática, Geoprocessamento
Prof. Dr. Adler Guilherme Viadana — Biogeografia de Sistemas Aquáticos; Evolução da Paisagem Geográfica
Profa. Dra. Ana Tereza Caceres Corte — Biogeografia, Ecologia, Geografia Natural
Prof. Dr. Anderson L. H. Christofolletti — 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. Astor Aparecido Mendes — Geografia econômica, Geografia Industrial
Profa. Dra. Cenira Maria Lapinacci da Cunha — Geomorfologia Cartografia, Geomorfológicas Análise Ambiental
Profa. 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 Geoiônica Manejo de Bacias Hidrográficas
Prof. Dr. Fadet David Antonio Filho — Geografia regional, ensino de geografia
Profa. Dra. Iara Nocentini André — Climatologia
Prof. Dr. João Alfonso 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. Dr. Magda Adelaide Lombardo — Cartografia Análise da Informação Geográfica
Prof. Dr. Manuel B. Rolando Berrios Godoy — Meio Ambiente Recursos Naturais, Resíduos Sólidos Urbanos, Industriais e Especiais Cargas Perigosas
Profa. Dra. Maria Isabel Castreghini de Freitas — Cartografia Sensoriamento remoto aplicado à análise ambiental Sistema de Informação Geográfica (SIG)
Profa. Dra. Maria Juraci Zani Dos Santos — Geografia Física, Climatologia, Agroclimatologia, Bioclimatologia
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
Profa. Dra. Sandra Elisa Contri Pitton — Climatologia Aplicada e Qualidade Ambiental e de Vida
Prof. Dr. Sérgio dos Anjos — Cartografia Geoprocessamento
Profa. Dra. Silvana Maria Pintaud — Geografia do Comércio, Serviços e do Consumo, Geografia Urbana

Profa. 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

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POS GRADUAÇÃO OUTORGADO ANUALMENTE: 10

CENTROS DE PESQUISA: LAPET / LAPLAN / LABGEO / LEUA / LGF / LEG

SITE DA INTERNET: http://www.ufgd.edu.br/fch/geografia

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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 habilitações 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 específicas 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 geoeconômico 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, econômicas e culturais 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 destacados ao planejamento e 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
Cleonic Garin, Doutora
Charlei Aparecido da Silva, Doutor em Geografia
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Flavia Gasparotti Nunes, Doutora em Geografia
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Lisandra Pereira Lamoso, Doutora em Geografia
Maria José Martinelli Silva Calixto, Doutora em Geografia
Mário Cezar Tompes da Silva, Doutor em Geografia
Mário Geraldini, Especialista em Geografia
Márcia Yukari Mizusaki, Doutora 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 MATO GROSSO DO SUL

CURSO DE GEOGRAFIA
FUNDADO: 1962
PROGRAMAS: Bacharelado
URL PROGRAMA ON-LINE: http://geoufmscg.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://geoufmscg.blogspot.com

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PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O curso de Geografia UFMS/CCEET 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 ONGs, 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 transformações recentes no país e no mundo, respeitando a capacidade de resiliência do ambiente e as características sociais, econômicas e culturais existentes, determinam a crescente demanda de “profissionais do espaço terrestre” que a Universidade deve preparar. Os conteúdos básicos e complementares da Geografia organizam-se em torno do: 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, sob 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
Departamento atende a quatro cursos de graduação no Instituto de Geociências (Geografia Diurno, Geografia Noturno, Turismo e Geografia), além de outros cursos de Pós-graduação. Além disso, o Departamento de Geografia da UFMG compreende dois cursos de Pós-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 246eografa 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. Até o momento, o Departamento de Geografia da UFMG tem um trem coberto pelo governo federal de desempenho fomento. Tradicionalmente, o Departamento de Geografia da UFMG se destaca nas áreas de Geomorfologia, pedologia, Geografia e meio ambiente, recursos hídricos, 246eografa246gli, 246eografa urbana e 246eografa social. O Departamento de Geografia funciona no Instituto de Geociências da UFMG. Conta com 246eografa246gli (Laboratório de Geomorfologia; Laboratório de Georraf seletivo marcado pelas seguintes 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 o hospedagem e alimentação dos alunos e 246eografa246li. 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 246eografa246gli. São contemplados 4 cidades e uma especialização. O Instituto Casa da Glória oferece aos alunos as seguintes atividades: a) análise de dados e recursos de bibliotecas e 246eografa246gli. O Centro de Pesquisa 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. 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São contemplados 4 cidades e uma especialização. O Instituto Casa da Glória oferece aos alunos as seguintes atividades: a) análise de dados e recursos de bibliotecas e 246eografa246gli. O Centro de Pesquisa 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 246eografa246gli. São contemplados 4 cidades e uma especialização. O Instituto Casa da Glória oferece aos alunos as seguintes atividades: a) análise de dados e recursos de bibliotecas e 246eografa246gli. O Centro de Pesquisa 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. 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versa (no caso da licenciatura). Para isto, basta que o aluno siga as 247geografia247 curriculares e que haja vaga disponível. Após formulados, o aluno pode optar por cursar a outra modalidade do curso (licenciatura ou bacharelado), solicitando continuação de estudos. Para isto, 247geoga cursar as disciplinas exigidas. A duração média da complementação é de um ano e meio. Ocorrem duas entradas por ano no curso de 247geografia, sendo uma no início do 1° semestre letivo para os alunos do curso diurno (40 vagas), e outra no início do 2° semestre letivo para os alunos do curso noturno (40 vagas). São oferecidas 40 vagas anuais para o curso diurno (entradas no 1° semestre) e 40 vagas anuais para o curso noturno (entradas no 2° semestre). Os alunos dos cursos de Geografia possuem diferentes opções de estágios e 247geografia247 créditos 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 Adjunto

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Carlos Henrique Jardim (Dr.) — Climatologia Situação funcional: Professor Adjunto

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DEGREES OFFERED: Bacharelado, Licenciatura, Mestrado e Doutorado em Geografia

GRANTED:
- Bacharelados e licenciados, 123;
- Mestres, 17;
- Doutores, 8

STUDENTS: Mestrado, 65; Doutorado, 38

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 Health, Tropical Diseases, Medicine, Odontology, Nutrition, Occupational Therapy, 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 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).

PROGRAMAS E RECURSOS: O Departamento oferece Programas de Graduação (Bacharelado e Licenciatura) e de Pós-Graduação (Mestrado e Doutorado) e estes Programas prestam treinamento em áreas e estudos sistemáticos. O Departamento através de seus Programas visa fortalecer uma visão abrangente da Geografia, considerando esta disciplina como amplamente interessada no estudo da relação entre a Sociedade/Cultura e o Ambiente. As disciplinas de pós-graduação são projetadas para facilitar a pesquisa do aluno em seus temas de interesse e lhe permitir adotar uma pesquisa básica ou aplicada. Os Programas de pós-graduação e de graduação em Geografia na Universidade Federal de Pernambuco (UFPE) estão circundados por outros consolidados e produtivos Programas de pós-graduação e de graduação em diversas áreas como: História e Arqueologia, Antropologia, Ciência Política, Sociologia, Desenvolvimento Urbano, Economia, Trabalho Social, Psicologia, Educação, Filosofia, Ciências Ambientais e Engenharias (Cartografia, Geologia, Ciências Ambientais, Oceanografia, Ciências da Computação, etc.), Ciências da Saúde (Saúde Pública, Doenças Tropicais, Medicina, Odontologia, Nutrição, Terapia Ocupacional, etc.), Ciências do Direito e na Educação. Não poucos de essas disciplinas estão entre as posições mais altas de prestígio no país e são altamente interativas em nível internacional. Isso significa que os alunos que estão nos cursos de pós-graduação e de graduação no Departamento, brasileiros ou estrangeiros, podem beneficiar-se dessas fortes vantagens que existem além das restrições do próprio Departamento. A UFPE tem um alto índice de cooperação profissional sustentada com outras Universidades no Brasil e no exterior. Os principais tópicos de pesquisa em pós-graduação são: a) Mudança e Desenvolvimento em Regiões Desenvolvidas; b) Planejamento Urbano; c) Economia e Política Regional; d) Turismo, Desenvolvimento Espacial e Mudança Ambiental; e) Geomorfológia, Recursos Hídricos e Ecologia.

PLANO ACADEMICO, REQUISITOS DE ADMISSÃO E AID FINANCEÍRIO: Sistema semestral. Duracao de programas: Graduação, 4 a 6 anos; Mestrado, 2 anos incluindo Tese; Doutorado, 4 anos incluindo Dissertação. Requisitos para admissão: interesse no campo coincidente com aquele do Departamento, e evidencia clara de competência para prosseguir o estudo de pós-graduação no Mestrado (Master) ou Doutorado (Doctor) níveis; a candidatura exige currículo vitae e projeto de pesquisa (detalhes: www.ufpe.br ou cmgeo@ufpe.br), e outros requisitos adicionais (testes de escrita, proficiência em português, recomendações de referência, entre outros) de acordo com o Coordenação do Programa de Pós-Graduação. AID Financeiro: possibilidades de apoio através de programas federais brasileiros disponíveis para nacionais e estrangeiros (www.capes.gov.br).
CONTA TO 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, formando profissionais de Geografia, Geógrafos que desenvolvam trabalhos de ensino, 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), conhecimentos 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. •Compreensão ético com a vida em suas diferentes manifestações naturais e sociais. •Respeite a pluralidade de indivíduos, ambientes, culturas e interação profissional. •Compromisso com a qualificação e competitividade 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 de campo, com conhecimentos empíricos 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 integralmente, 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.Planear, propor, elaborar e executar projetos de pesquisa e de extensão acadêmica no âmbito da Geografia. 6.Interpretar mapas temáticos ou outras representações geográficas 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 turno 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. 7.Objetivos básicos 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)] 7.1.As disciplinas obrigatórias específicas do currículo do curso de Bacharelado poderão ser optativas para o curso de Licenciatura, da 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-científicas e culturais que correspondam 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 inserito 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/CU/97), com implantação da 1ª fase no primeiro semestre do ano letivo de 2007, evitando prejuízos aos alunos, consolidação de conhecimento específico 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 integralmente, 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.Planear, propor, elaborar e executar projetos de pesquisa e de extensão acadêmica no âmbito da Geografia. 6.Interpretar mapas temáticos ou outras representações geográficas 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.

PROFESSORES: Alessandra Larissa D'Oliveira Fonseca – Oceano Ângela da Veiga Beltrame – Biogeografia Carla Van Der Haagen Custodio Bonetti – Oceanografia Costeira Carlos José Espíndola – Econômica Clécio Azevedo da Silva – Rural / Alimentação
Edison Ramos Tomazzoli — Geologia
Elson Manoel Pereira — Urbana
Eriko Porto Filho — Ambiental
Everton Vieira Machado — Urbana
Gerusa Maria Duarte — Geologia / Recursos Hídricos
Harrysson Luiza da Silva — Brasil
Jarbas Bonetti Filho — Oceanografia
João Carlos Rocha Gré — Sedimentologia
Joel Robert Georges Marcel Pellerin — Cartografia
José Messias Bastos — Econômica
Juão Antonio Flores — Geologia
Leila Christina Duarte Dias — História da Geografia
Luiz Antônio Paulino — Cartografia
Luiz Fernando Scheibe — Geologia / Ambiental
Magaly Mendonça — Climatologia
Marcelo Acciói Teixeira de Oliveira — Geomorfologia
Marcos Aurélio da Silva — Econômica
Maria Lácia de Paula Herrmann — Geomorfologia
Nazereno José de Campos — Urbana / Rural
Norberto Olmiro Horn Filho — Geologia
Paulo Roberto Pagliosa Alves — Oceano
Rosemy da Silva Nascimento — Cartografia e Educação Ambiental
Ruth Emília Nogueira Locho — Cartografia
Walquíria Krüger Corrêa — Rural Curriculum Vitae Lattes

UNIVERSIDADE FEDERAL DE SANTA MARIA

DEPARTAMENTO DE GEOCIÊNCIAS
PROGRAMAS: Bacharelado, Licenciatura Plena,
Licenciatura Plena (à Distância/Virtuais), Mestrado,
Doutorado, Pós-doutorado.
URL PROGRAMA ON-LINE: www.ufsm.br/geografia e www.ufsm.br/ppgeo
CONTATO PROGRAMA DE BACHARELADO: Sandra Ana Bolfe (sabolfe@hotmail.com)
CONTATO PROGRAMA DE LICENCIATURA PLENA: Sandra Ana Bolfe (sabolfe@hotmail.com)
CONTATO PROGRAMA DE LICENCIATURA PLENA (À DISTÂNCIA/VIRTUAL): Meri Lourdes Bezzi (meribezzi@yahoo.com.br)
CONTATO PROGRAMA DE PÓS-GRADUAÇÃO: Romário trentin (romario.trentin@gmail.com)
CENTROS DE PESQUISA: Centro de Ciências Naturais e Exatas / Universidade Federal de Santa Maria
SITE DA INTERNET: www.ufsm.br/ccne
CONTATO PARA MAIS INFORMAÇÕES: Adriano Severo Figueirô – Chefe de Departamento (adri.geo.ufsm@gmail.com)

PROGRAMAS E INSTITUIÇÕES DE PESQUISA:
APRESENTAÇÃO O curso de Geografia na Universidade Federal de Santa Maria é ministrado há 44 anos. Desde a sua criação, consolidou-se como grande formador de profissionais no mercado local, regional e nacional. Atualmente, o curso conta com 270 alunos. Nos últimos anos, as disciplinas oferecidas pelo Departamento de Geociências têm tido grande procura por parte de alunos de outros cursos.

HABILITAÇÕES:
O Departamento de Geociências oferece habilitações na área de Licenciatura Plena a Bacharelado. Para a conclusão do curso, o aluno deve permanecer na faculdade no mínimo 6 semestres, e no máximo 12. Ao exceder esse limite o aluno entra em processo de jubilamento. O aluno deve optar por fazer uma opção de habilitação já na inscrição do processo seletivo. OBJETIVOS DO CURSO O curso visa a formação de professores de ensino básico e médio, geógrafos e pesquisadores em Geografia. O aluno formado em Licenciatura Plena pode exercer sua profissão dando aulas de Geografia no ensino básico, tanto em escolas públicas quanto em particulares. Com o Bacharelado concluído, o aluno torna-se apto a entrar no mercado de trabalho, também 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 compreender e analisar o que acontece no espaço local, regional e mundial é de suma importância. LABORATÓRIOS O Departamento de Geociências 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 a lista são: GPPET – Grupo de Pesquisa em Educação e Território; NERA – Núcleo de Estudos e Pesquisas Regionais e Agrários; NEA – Núcleo de Estudos Ambientais; CLIMAGEO/SAGEO; LEPER – Laboratório de Estudo e Pesquisa Regional; LAGED – Laboratório de Geociências e Educação Ambiental; LaGeoUr – Laboratório de Geografia Urbana; LAGEOLAM – Laboratório de Geologia Ambiental; LABGEOTEC – Laboratório de Geociências; HIDROGEO – Laboratório de Hidrogeologia; LABHIDROGEO – Laboratório de Hidrogeologia; Laboratório de Geomorfologia e Percepção da Paisagem; Laboratório de Geografia e EAD; Laboratório de Geoprocessamento; Laboratório de Paleobiologia/Estratigrafia; Núcleo de Ensino em Geografia; Laboratório de Sedimentologia; Grupo de Pesquisa em Educação e Território; Núcleo de Estudos Regionais e Agrários; Laboratório de Estudos e Pesquisas Regionais; Laboratório de Geografia Urbana; Laboratório de Estudo Ambiental; Laboratório de Geologia Ambiental; Laboratório de Cartografia.

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA:
O aluno ingressante no curso de Geografia Licenciatura Plena cumpre um total de 51 disciplinas obrigatórias e 10 optativas. O aluno ingressante no curso de Geografia Bacharelado cumpre um total de 53 disciplinas obrigatórias e 10 optativas. Ao final do curso obtêm, respectivamente, o título de licenciado em Geografia e bacharel em Geografia. O curso é gratuito, pois é oferecido por instituição pública de ensino federal.

PROFESSORES:
Adriano Severo Figueirô, (adri.geo.ufsm@gmail.com) — Geocobiografia, Biogeografia, Geoconservação, Educação ambiental.
André Weissheimer de Borba, (aworbba.geo@gmail.com) — Geoconservação.
Andrea Valli Nummer (a.nummer@gmail.com Geomorfologia) — Castiçalofes / áreas de risco, Geografia física (geral).
Atília Augusto Stock da Rosa (atiladarosa@gmail.com) — Paleontologia.
Bernardo Sayão Penna e Souza (bernardospa@yahoo.com.br) — Geomorfologia, Geografia física (geral), Sensoriamento remoto.
Benhur Pinós da Costa (benpinós@gmail.com) — Geografia económica, Estudos de gêneros, Geografia social.
Carlos Alberto da F. Pires (calpires@terra.com.br) — Geoestatística.
Carmen Rejane F. Wizniewsky (carmenrejane@gmail.com) — Educação geográfica, Geografia rural, Geografia social.
Cássio Arthur Wollmann (cassio.geo@yahoo.com.br) — Climatologia, Conservação, Geografia aplicada, Geografia física (geral).
César de David (cedavid2009@gmail.com) — Educação geográfica, Geografia rural, Geografia social, Geografia política.
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

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 níveis 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. Merceu 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 fornecem 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 ACADEMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: O curso de Geografia da Faculdade de Ciências Geográficas do Ponto - 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 Acadêmico-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 Portuguez — Geografia Humana; Turismo;
Desenvolvimento
Antônio de Oliveira Junior — Planejamento Urbano; Planejamento e Gestão do Território; Sistemas de Infraestrutura do Território
Carlos Roberto dos Anjos Caldeiro — Geociências; Paleontologia
Gilnei Machado — Climatologia Geográfica; Hidrogeografia; Geociências; Geografia Física; Paleoecologia
Carlos Roberto Loboda — Geografia Urbana, Espaços Públicos, Áreas Verdes Públicas Urbanas, Geografia Econômica; Ensino de Geografia
Gersa Gonçalves Moura — Ensino de Geografia, Geografia Urbana, Representação Cartográfica, Representação e Imagens
Helio 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
Katia Gisele de Oliveira Pereira — Geociências, Geomorfologia, Climatologia, Gestão de bacias hidrográficas, Meio ambiente e cidadania
Maria Beatriz Junqueira Bernardes — Educação ambiental; Ensino de geografia
Nâgela Aparecida de Melo — Geografia urbana; Cidade; Campo; Cidade Média; Pequena Cidade
Patricia 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 Montorio Silva — Geografia física, Geomorfologia, Levantamento e classificação dos solos, Pedologia, Ensino de geografia
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 OUTORGADO ANUALMENTE: 50
CONTATO PROGRAMA DE POS GRADUAÇÃO:
posgeog@ufc.br
POS GRADUAÇÃO OUTORGADO ANUALMENTE: 20
CENTROS DE PESQUISA: Centro de Ciências

CONTATO PARA MAIS INFORMAÇÕES:
Dr. Alexandra Bezerra da Rocha, Fortaleza, Ceará/CE, Brasil, Telefone: (85) 33660000, alexandrarocha@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.

Ambiente - Diagnóstico Sócio-Ambiental e da qualidade de vida dos
Tremembé de Amoda - Parnaiba - CE. Concluído ALFA - América
Latina - Formação Acadêmica (Comunidade Européia e várias
Concluído CAPES/COFECUB - Departamento de Geografia -
Instituto Francês de Urbanismo (Université de Paris 8) - 1995 - 1999.
SUDENE - Delimitação e Regionalização do Nordeste Semi-Arido.
PETROBRÁS/FIEC - Abastecimento de gás natural para as indústrias
de Fortaleza. METRÓFOR - Trem Metropolitano de Fortaleza.
IPLANCE - ARIDAS. Prefeitura Municipal de Ipatinga - Diagnóstico
Sócio-Ambiental. FBBF/FASE/Aquiducte de Fortaleza: Problemas
Estrutural e Soluções. Aquidiooce de Fortaleza: Delimitação e Mapeamento
Dias da 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:
Jurez Soares Diniz,
Chefe de Departamento, São Luís, Maranhão, Brasil, Telefone: 98
3301-8330, Fax: 98 3301-8329, jurezsd@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 CREAG,
atividades de pesquisa, planejamento regional e ambiental,
contribuindo para solucionar problemas de organização do espaço nas
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 instâncias 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/agrárias, 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 PIÁUI

FUNDACAO: 1968
SITE: www.ufpi.edu.br

FOR MORE INFORMATION CONTACT: Luiz de Sousa Santos
Júnior, Reitor, Campus Universitário Ministro Petrógenes Portella -
Bairro Ininga - Teresina - PI CEP: 64094-550, Telefone: (86)3215-
5525, Fax: (86)3215-5526, comunicação@ufpi.edu.br

ESTRUCTURA E ORGANIZACIÓN: A UFPI é uma instituição de
educação superior, mantida pela Fundação Universidade Federal do
Piauí – FUPPI (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
developolvimento 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
developmento da sociedade brasileira, e colaborar na sua formação
continua; 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
eração; 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 a extensão, aberta e participativa, à
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
formação; 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 a extensão, aberta e participativa, à
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).

PROPOSTO 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
formação; f) estimular o conhecimento dos problemas do mundo
presente, em particular os nacionais e regionais, prestar serviços
UNIVERSIDADE FEDERAL DO RIO DE JANEIRO

DEPARTAMENTO DE GEOGRAFIA
FUNDADO: 1935

PROGRAMAS: Bacharelado, Licenciatura, Mestrado e Doutorado
BACHARELADOS OUTORGADOS ANUALMENTE: 35
LICENCIATURAS OUTORGADAS ANUALMENTE: 40
POS-GRADUAÇÕES OUTORGADAS ANUALMENTE: 25

SITE DA INTERNET: www.geografia.ufrj.br

CONTATO PARA MAIS INFORMAÇÕES: Prof. Dr. William Ribeiro da Silva, Chefe de Departamento, e Prof. Dr. Scott Hoeffle, Coordenador da Pós-Graduação.
Email: ppg.geografia@ppgg.igeo.ufrj.br, Telefone: +55 21 2590-9534, Fax: +55 21 2590-1880. Av. Athos da Silveira Ramos, 274. Prédio do CCMN, Bloco I, Sala 25. CEP 21941-916 - Cidade Universitária. Rio de Janeiro, RJ, Brasil

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: O Departamento de Geografia é um centro de excelência em ensino e pesquisa geográfica no Brasil. O Departamento oferece cursos de graduação - licenciatura e bacharelado e o Programa de Pós-graduação mestrado e doutorado, além de cursos de extensão de curta duração. Possui 16 laboratórios, núcleos e grupos de pesquisa onde seus professores desenvolvem trabalhos juntamente com os alunos, nas seguintes linhas de pesquisa: Cultura, Informação e Cidadania; Ambiente e Território; Espaço e Dinâmicas Urbanas-Regionais; Geopolítica e Territorialidade; Dinâmica Hidro Climática; Geoprocessamento; Interações Geoecológicas e Biodiversidade; Processos Geomorfológicos, Evolution 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, hidrologia e geococologia
Ana Maria de Lima Duarte — Geografia e História
Ana Maria de Souza Melo Bicalho — Geografia Agrária
Andre de Souza Avelar — Hidrologia
Antonio José Teixeira Guerra —Geomorfologia
Antonio Paulo de Faria — Geomorfologia
Carla Bernardete Cruz Madureira — Sensoriamento Remoto
Claudio Egler — Geografia Econômica e Geografia Regional
Dieter Muehe — Geomorfologia Costeira
Eduardo José Pereira Maia — Ensino de Geografia
Elizabeth Feitosa da Rocha de Souza — Sensoriamento Remoto
Eve-Anne Buhler — Geografia Econômica e Geografia Agrária
Flavio Lins de Barros — Geomorfologia Costeira
Frederic Monié — Geografia dos transportes, Geografia econômica e Geografia Regional
Gisela Aquino Pires do Rio — Geografia Econômica e regional
Gislene Aparecida dos Santos — Geografia da População
Inal Elias de Castro — Geografia Política
Jorge Xavier da Silva — Geoprocessamento
Josilda Moura — Geomorfologia
Julia Adão Bernardes — Geografia Agrária
Leticia Parente Ribeiro — História do Pensamento Geográfico e Geografia política
Lia Osorio Machado — Geografia Política e História do Pensamento Geográfico
Manoa do Couto Fernandes — Cartografia e geococologia
Marcelo Lopes de Souza — Desenvolvimento Sócio-Espacial e Estudos Urbanos
Maria Célia Nunes Coelho — Geografia Humana
Maria Naisa de Oliveira Peixoto — Geomorfologia e educação ambiental
Monica dos Santos Marcal — Geomorfologia Fluvial
Nelson Ferreira Fernandes — Pedologia, hidrologia e geomorfologia
Olga Becker — Geografia da População
Paulo Cesar da Costa Gomes — Teoria da Geografia
Paulo Marcio Leal Menezes — Cartografia
Paulo Pereira de Gusmão — Políticas Públicas e Meio Ambiente
Rafael Silva Barros — Sensoriamento Remoto
Rafael Winter Ribeiro — Geografia Política e Patrimônio
Rebecca Steiman — Geografia Política e Geografia Regional
Ricardo Gonçalves Cesar — Biogeografia e Roberto Lobato Corrêa — Geografia Urbana e Geografia Cultural
Scott Hoeffle — Ecologia Política e Geografia Cultural
Telma Mendes da Silva — Geomorfologia

UNIVERSIDADE LUTERANA DO BRASIL

CURSO DE GEOGRAFIA
FUNDADO: 16/08/1972
PROGRAMAS: Licenciatura
URL PROGRAMA ON-LINE: Matriz Curricular
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
sua 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
goecrocessamento e de ensino em Geografia. As atividades listadas a
seguinte dimensam 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
emprestimos de aparelhos de GPS; elaboração e edição de pôster
(painel) referentes aos diferentes projetos de pesquisa e atividades de
disciplinas desenvolvidos 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,
avent 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 curso é plenamente alcançada. A licenciatura possibilita a 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 Guadie 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/7154902396000466
Walter Osmar Steyer Geógrafo formado pela USP, Mestre em
História pela Unisinos, Currículo Lattes:
http://lattes.cnpq.br/931059287019046
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

UNIVERSIDADE REGIONAL DO
CARIRI (URCA)

DEPARTAMENTO DE GEOCIENCIAS
DATA FOUNDED: March 3rd, 1964
DEGREE OFFERED: Licenciatura (geography education)
GRANTED: average of 30 “licenciados” per semester
STUDENTS IN RESIDENCE: about 600 (80 new students
per semester)
CHAIR: João Ludgero Sobreira Neto (Chefe do
Departamento)

DEPARTMENT ADMINISTRATIVE ASSISTANT:
Tarcisia Pajué

FOR CATALOG AND FURTHER INFORMATION WRITE
TO: Departamento de Geociências, Universidade Regional do Cariri
(URCA), Rua Coronel Antonio Luís 1161, 63105-000 Crato, CE,
Brazil. Tel. 055-3102.1212 extension 2786, e-mail: geoocr@yahoo.com.br; university website: http://www.urca.br;
main publication: Cadernos de Cultura e Ciência (http://cadernos.urca.br).

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
ageoecology, biogeography, 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:
Alexandra de Oliveira Magalhães, MSc in Geography, Fortaleza
(UFC), 2006, Assistant Professor — environmental zoning,
geocology, biodynamics
Ana Roberto Duarte Pianco, MSc in Geography, Recife (UFPE),
1998, Assistant Professor — agricultural geography, agrarian
reform, landless movement (MST), geography teaching
Antônio Carlos da Silva, MSc in Geography, Fortaleza (UECE),
2000, Assistant Professor — geographic education
Emerson Ribeiro, PhD in Geography, São Paulo (USP), 2013,
Assistant Professor — geographic education, artistic
installations, teacher training
Firmiana Santos Fonseca Siebra, MSc in Regional Development,
Crato (URCA), 2002, Assistant 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
Glaucio Vieira Fernandes, MSc in Geography, Fortaleza (UECE),
2001, Associate Professor — geography teaching, geography
and cinema, visual methods
Ivan da Silva Queiroz, PhD in Urban Planning, Recife (UFPE), 2013, Associate Professor — urban geography, urban violence
João Cesar Abreu de Oliveira, PhD in Education, Fortaleza (UF), 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
Josie Ferreira da Silva, PhD in Brazilian Education, Fortaleza (UF), 2009, Associate Professor — territorial formation, geographical and historical processes, history of education, human-environment interaction
Juliana Maria Oliveira Silva, PhD in Geography, Fortaleza (UF), 2013 — climatology; hydrology; watershed management.
Líreida Maria Albuquerque Becerra, MSc in Geography, Fortaleza (UF), 2013, Assistant Professor — urban geography, environmental geography
Maria de Lourdes Carvalho Neto, MSc in Geography, Fortaleza (UF), 2007, Assistant Professor — environmental geography, environmental geography
Maria Soares da Cunha, MSc in Geography, Recife (UFPE), 1998, AssociateProfessor — 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 — ethnogeomorphology, environmental analysis, erosion processes and conservation, applied 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

UNIVERSIDADE REGIONAL DO NOROESTE DO ESTADO DO RIO GRANDE DO SUL

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CONTATO PARA MAIS INFORMAÇÕES: MARIO AMARILDO ATTUATI, COORDENADOR DO CURSO DE GEOGRAFIA, ESTADO DO RIO GRANDE DO SUL, BRASIL. Telefone: 55 3332 0200, Fax: 55 3332 0256, attuati@unijui.edu.br

PROGRAMAS E INSTITUIÇÕES DE PESQUISA: A UNIJUI matém programas e projetos de pesquisa e extensão por meio dos quais desenvolve intensa interação com a comunidade regional. A Geografia está alocada no Departamento de Humanidades e Educação, que conjuntamente com outras áreas do conhecimento desenvolve ações nas áreas de planejamento urbano, meio ambiente e formação continuada de professores paa a Educação Básica. Estas atividades são organizadas e executadas com o apoio da estrutura da Universidade e mais especificamente dos laboratórios de Geoprocessamento e Análise Territorial, Recursos Hídricos e Ensino de Ciências Sociais. O curso de Geografia - licenciatura plena atualmente é oferecido na modalidade de educação à distância (EaD). Os alunos tem acesso a material impresso e recebem atendimento via ambiente virtual "CONECTA - UNIJUI". Demais informações podem ser obtidas através do site www.unijui.edu.br

PROGRAMA ACADÊMICO, REQUISITOS DE ADMISSÃO, AJUDA FINANCEIRA: OBJETIVO: o curso de Geografia - licenciatura, pretende formar profissionais para atuar na educação básica, no componente curricular específico – Geografia, com formação intelectual adequada à contribuição que a geografia pode dar para o conhecimento e interpretação do mundo, sem ignorar os cidadãos que tenham uma visão da realidade capaz de os situar na dinâmica atual e perceber os caminhos possíveis para tornar o mundo mais justo e humano. ORGANIZAÇÃO CURRICULAR: para concretizar a proposta político-pedagógica organizou-se uma estrutura curricular e uma sequência semestral das atividades acadêmicas, bem como parâmetros para o processo ensino-aprendizagem, tendo em vista o perfil do profissional da Geografia formado pela UNIJUI. Estabeleceu-se a participação das diversas áreas na formação do profissional da Geografia, os êxios de interseção das mesmas com a ciência geográfica, ao longo do curso, bem como a sequência pedagógica recomendada. O currículo foi estruturado em nove conjuntos de componentes curriculares que traduzem a proposta político-pedagógica do curso de Geografia. Constitui-se de componentes curriculares que tratam da formação humanística e da formação acadêmico-profissionalizante, visando atender as orientações gerais presentes na proposta de Diretrizes Curriculares Nacionais previstas para a graduação em Geografia, bem como às Diretrizes Institucionais do Ensino na UNIJUI e de sua operacionalização nos termos das Resoluções CONSU n.º 21/2005 e 29/2005. Os componentes curriculares da formação humanística desenvolvem a reflexão sobre a condição humana e a cidadania, contribuindo para a construção da identidade deste programa de ensino e do curso de Geografia com a Universidade. Os componentes curriculares da formação acadêmico-profissionalizante desenvolvem as “dimensões teórico-prática, técnico-científica e humanística” necessárias para a formação inicial do profissional da Geografia. São distribuídos nos conjuntos, a saber: Fundamentos de Geociências; Fundamentos de Ciências Sociais; Instrumentalização em Geografia; Interação Territorial; Teoria, Método e Análise Geográfica; Práticas Geográficas; Formação Pedagógica e Opções Livres. Cada conjunto contempla uma parte de conteúdos essenciais para a aquisição do conhecimento geográfico, o conhecimento geográfico em si e, ainda, a educação geográfica ou o reconhecimento do mundo do trabalho. A proposta curricular prevê o atendimento de especificidades voltadas à formação de professores através de um conjunto de componentes curriculares que trata da investigação voltada para a educação geográfica. O conjunto que trata da interação profissional deve adequar-se às práticas pedagógicas necessárias ao processo de formação inicial do profissional da Geografia. OBS: sobre requisitos de admissão e ajuda financeira consultar www.unijui.edu.br

PROFESSORES:
Bernadete Maria de Azambuja — mestre em Geografia, UFSC
Geografia, Urbana
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Dôris Ketzer Montardo — mestre em Geografia, UFRGS, Geociências
Helena Copetti Callai — doutora em Geografia, USP, Ensino de Geografia
Leonardo Dicco de Azambuja — doutor em Geografia, UFSC, Ensino de Geografia
Mario Amarildo Attuati — mestre en Geografia, UFSC, Geocologia /Cartografía O corpo docente do curso conta também com a contribuição de professores das áreas de Economia, Pedagogia, História, Matemática, Sociologia e Psicologia

Chile

Pontificia Universidad Católica de Chile

Instituto de Geografía

Degrees Offered: Bachiller - Licenciatura en Geografía, Título profesional de Geógrafo, Diplomado, Magíster y Doctorado

Point of Contact: Dr. Federico Arenas, Profesor – Director, (56) 2-684 4716

Web Site: www.geografia.uc.cl

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Programs and Research Facilities: Los académicos del Instituto desarrollan una serie de proyectos de investigación, dentro de las líneas de: Ordenación territorial; evaluación y estudios de impacto ambiental; catastro y evaluación de recursos naturales con aplicaciones específicas en el litoral; estudios de riesgos naturales y su modelación (tsunami); estudios de caracterización socioeconómica de la población; estudios del medio ambiente urbano; estudios urbanos relativos a vivienda social y gobernanza metropolitana; aprovechamiento de neblinas como recurso hidrológico; ecosistemas de niebla y educación ambiental como línea de investigación aplicada a la docencia. Además, como línea complementaria a todos los proyectos de investigación en nuestro Instituto, se destaca el uso y manejo de tecnologías geomáticas, representadas por Sistemas de Información Geográfica (SIG), Sistemas de Posicionamiento Global (GPS) y Percepción Remota. Estos proyectos son financiados por DIPUC, FONDECYT, Centre de Recherches pour le Development International (IDRC), y Supply and Services, de Canadá.


Diplomado: a) Sistemas de Información Geográfica, b) Geomática y c) Reducción del Riesgo de Desastres: prevención y gestión. Programas de especialización orientados a profesionales que desean mantenerse al día en los conocimientos, habilidades y destrezas que caracterizan a su actividad o bien quieren extender su conocimiento hacia áreas complementarias, o acceder al manejo de nuevos procedimientos o tecnologías.

Magíster: Magíster en Geografía y Geomática. Los contenidos de este Magíster se sitúan en el cruce de los métodos y técnicas de las líneas de investigación del Instituto de Geografía de la UC, el uso de la geomática y problemas geográficos específicos derivados de la acción humana en la superficie terrestre. El objetivo general es conocer y aplicar métodos, técnicas y tecnologías basados en la geomática y que se utilizan en la investigación geográfica para la solución de problemas que tienen que ver con el uso del territorio, desde una visión que compatibilice las potencialidades y restricciones físicos-naturales con las diversas actividades humanas.

Doctorado: tiene como objetivo formar investigadores y docentes, para desempeñarse en instituciones universitarias y equivalentes; así como profesionales de alto nivel académico y con capacidad crítica, que logren ser un aporte a la sociedad actual, tanto en el sector público como privado, a través de la investigación, comprensión y solución de problemas claves, que tengan relación con la ocupación humana sobre la superficie terrestre. Sus áreas de investigación son: Metropolización y geografía urbana, Periurbanización y geografía rural, Biogeografía, cambio climático y estudios del cuaternario, Riesgos naturales, Geomorfología y espacio litoral y Geografía histórica, espacio y territorio.


Faculty:

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


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.

Hernández Ruiz, Cristián — Doctor en Ciencias Ambientales (EULA) y Geógrafo de la Pontificia Universidad Católica de Chile. Área de investigación: Impacto ambiental, planificación territorial, geomática y ecológia 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.

LOZANO PARRA, JAVIER — Doctor en Geografía Física por la Universidad de Extremadura (España). Máster en Sistemas de Información Geográfica y Teledetección por la Universidad de Gerona (España). Área de investigación: Ecolohidología; Hidrología; Modelización ecohidrológica; Sistemas de Información Geográfica; Geografía física. Profesor Asistente.

MARTINEZ REYES, CAROLINA — Doctora por la Universidad de Barcelona (España), Magíster en Geografía por la Universidad de Chile y Geógrafo por la Universidad de Playa Ancha. Área de investigación: Evolución costera, Geomorfología y morfodinámica de ambientes costeros, Riesgos Naturales en la costa, Manejo costero. Profesor Asistente.


MUNÉZ, 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 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.

SAGREDOS 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) Paleoclímato. Profesor Asistente.


moldeando las formas de organización social y cultural que los grupos humanos tienen. En este sentido, los ambientes que pueden ser considerados como campo "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 convencional e internacional, programados, entre otros, para comprender los problemas socio-espaciales 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. Esta línea considera 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 escenario de actores educativos. En este sentido, se trabaja con perspectivas teóricas que permiten comprender como colocar al centro la idea de una enseñanza que transforma las condiciones materiales de existencia de los sujetos que participan del contexto 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 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 nueve versiones al año 2014), el Ciclo sobre Geografía y Debate Teórico Contemporáneo ( nueve versiones al año 2014) y el Ciclo de Conferencias sobre la Naturaleza del Espacio (diez versiones al año 2014). Del mismo modo el proyecto IPESE Intervención+Posibilidad+Espacio (con tres versiones al año 2014) fortalece el vínculo específico con las instituciones que participan del ingreso temprano al campo profesional de nuestros estudiantes (ONGs, Consultorías, Departamentos Ministeriales, Departamentos Municipales, Fundaciones, etc.)

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FACULTAD DE ARQUITECTURA Y URBANISMO

ESCUELA DE GEOGRAFÍA

DATE MASTER'S DEGREE CREATED: 1984

DEGREES OFFERED: Licenciatura en Geografía.

Geógrafo, Profesional

DIRECTOR ESCUELA: Dr. Fernando Pino Silva

DIRECTOR DEPARTAMENTO: MSc. María Victoria Soto

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.

Pocos años han experimentado una ampliación tan grande como el conocimiento geográfico durante las últimas décadas, debido a la renovación de los contenidos geográficos en la enseñanza básica y media. La carrera de Geografía se consolida como tal en la Escuela de Geografía a mediados de la década de 1960, continuando en forma ininterrumpida hasta la fecha.

Grado Académico ofrecido: Licenciatura en Geografía, Magíster en Geografía


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 geográfico en los organismos públicos y de organización territorial, a la renovación de los contenidos geográficos en la enseñanza básica y media.

Desde inicios de los 80’s, la enseñanza impartida por la Escuela y por otra, la investigación en el Departamento, son armonizados con modernos métodos, incorporándose laboratorios, técnicas de teledetección y sistemas computacionales en forma progresiva.

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UNIVERSIDAD DE LA SERENA

AREA DE CIENCIAS GEOGRÁFICAS
DATE FOUNDED: 1980
GRADUATE PROGRAM FOUNDED: 1995 (Masters)
DEGREES OFFERED: Pedagogy in Geography, Masters in Geography
GRANTED: Bachelors, 260; Masters, 2
STUDENTS: Masters, 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 their native universities. For this purpose, any foreign student or group of students and instructors could visit and arrange a special program in their native country. Financial assistance is offered to reduce cost of housing and meals.

FACULTY:
Fabián 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

UNIVERSIDAD DE SANTIAGO DE CHILE

DEPARTAMENTO DE INGENIERÍA GEOGRÁFICA
FECHA DE FUNDACIÓN: Enero 17 de 1958
PROGRAMAS DE ESTUDIO: Licenciatura en Ciencias de la Ingeniería, Título profesional Ingeniero Civil en Geografía
SITIO WEB: http://www.digeo.cl

PARA PEDIR UN CATÁLOGO Y MÁS INFORMACIONES, FAVOR DE ESCRIBIR A: Marcos Medina Tapia, Santiago de Chile, Teléfonos: (56 2) 27182206, (56 2) 27182230, Email: ingenieriacivil.geografia@usach.cl, marcos.medina@usach.cl.

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: Con fecha 31 de Diciembre de 1982 se crea la carrera de Ingeniería Civil en la especialidad de Geografía, la cual regularmente dedica la especialidad de Geografía en la especialidad de Ingeniería Civil Geografía, mediante decreto N° 1167/1982. La Unidad Académica ofrece tres programas de postgrado. El Magíster en Ambiente en cualquiera de sus dos líneas de investigación: Gestión y Planificación Ambiental del Territorio y Gestión de Recursos Hídricos. El Magíster en Medio Ambiente con mención en Gestión y Ordenamiento Ambiental. Y por último, el Magíster en Gestión del Medio Ambiente. La infraestructura de laboratorios cuenta con instalaciones y equipos que se utilizan para impartir la enseñanza práctica en las asignaturas que lo requieran y son de uso exclusivo de la Unidad. A continuación, se presenta una descripción de los laboratorios de la Unidad. La Unidad de Instrumentos Topográficos incluye instrumental topográfico y geodésico. La Estación Meteorológica permite la medición, almacenamiento, seguimiento y visualización de variables meteorológicas. El Laboratorio de Procesamiento de Datos Topográficos y Geodésicos permite el procesamiento de datos topográficos y geodésicos. Laboratorio de Geomorfología y Fotointerpretación posibilita la realización de identificaciones e interpretaciones de elementos territoriales geomorfológicos de transformación dinámica. Laboratorio de Fotogrametría cuenta con equipamiento de Fotogrametría analógica y digital que incorpora a este laboratorio en los procesos productivos de la Geografía. El Laboratorio de Cartografía Digital permite la generación de bases cartográficas digitales confiables métricamente. Laboratorio de Sistemas de Información Geográfica está dotado de programas que permiten el trabajo de geoprocesamiento de la información territorial. Laboratorio de Telemedicina permite el procesamiento y explotación de la información contenida en imágenes satelitales. El Laboratorio de Modelado Ambiental y Territorial está orientado a la modelación y simulación matemática de sistemas territoriales y procesos ambientales. Laboratorio de Procesos Ambientales está capacitado para la realización de tareas de caracterización y diseño de procesos de tratamiento de residuos. Laboratorio de Bioprocesos Ambientales apoya a la docencia de bioprocesos ambientales. Laboratorio de Química Ambiental con insumos para el trabajo de laboratorio e investigación relacionada con la Química aplicada a problemas ambientales. Laboratorio de Ordenamiento Territorial está diseñado para promover el desarrollo de planes de ordenamiento territorial.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: El principal objetivo de la Carrera de Ingeniería Civil en Geografía es formar profesionales en el área de la Ingeniería Civil, que respondan a las necesidades actuales y futuras que imponen las actividades humanas y productivas sobre el territorio, las que se materializan en proyectos de ingeniería y/o planificación y ordenamiento territorial, dando solución a los impactos ambientales, económicos y sociales que éstas generan, apuntando con ello a un desarrollo sustentable. Por lo anterior, el rol del Ingeniero Civil en
Geografía es analizar, evaluar y proponer soluciones a los impactos generados por la localización de actividades humanas (asentamientos y proyectos de actividades productivas) en los aspectos ambientales, económicos y sociales del territorio, siendo capaz de participar en el desarrollo de políticas públicas en el ámbito del territorio. Por sus conocimientos formativos y su visión integral de la realidad, el Ingeniero Civil en Geografía está llamado a trabajar en equipos de profesionales de carácter interdisciplinario en la solución de problemas territoriales. Tiene su campo ocupacional en las instituciones públicas y privadas, relacionadas con planificación, medio ambiente, proyectos de ingeniería, aprovechamiento de recursos naturales, mediciones geodésicas y fotogramétricas, estudios demográficos, asentamientos humanos, entre otros. El Plan Académico de 2012 se formuló a partir del Perfil de Egreso vigente desde el año 2009, el cual es consistente con el Modelo Educativo Institucional y contempla un total de 66 asignaturas de ciencias básicas, ciencias de la ingeniería, ciencias de la especialidad, y en ciencias humanas y sociales. El proceso de admisión es a través del sistema nacional de selección universitaria, siendo necesario rendir la Prueba de Selección Universitaria (P.S.U.). El puntaje ponderado de ingreso está compuesto por: (1) Ranking, (2) Notas Enseñanza Media, (3) Prueba de Lenguaje, (4) Prueba de Matemáticas y (5) Prueba de Ciencias. Respecto a ayuda financiera, la Universidad cuenta con becas y créditos propios del sistema universitario nacional.

PROFESORADO:
Araya Bermúdez Mario, Doctor en Geografía
Borcosque Díaz José Luis, Doctor en Geografía
Caverlotti Marcelo, Doctor © en Ciencias de la Ingeniería
Corvalán Fernando, Doctor en Ingeniería de Procesos
Díaz Bambach Miguel, Doctor en Ciencias Aplicadas
Espinoza Ramírez Juan Carlos, Magíster en Asentamientos Humanos y Medio Ambiente
Herrera González Víctor, Magíster en Asentamientos Humanos y Medio Ambiente
Garrodo Lazo René, Doctor en Ingeniería Química
Mauro Álvaro, Magíster en Geografía
Medina Tapia Marcos, Magíster en Ingeniería
Pantoja Mazzini Víctor, Magíster en Hidrología Aplicada
Pizarro Konczak Jaime, Doctor en Ciencias con mención en Química
Portal Valenzuela Belfor, Doctor en Geografía
Quintanilla Pérez Víctor, Doctor en Ciencias Naturales
Yañez Romo Verónica, Magíster en Ciencia Regional

COLOMBIA

ASOCIACIÓN COLOMBIANA DE GEÓGRAFOS, ACOGE

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, Calle 57-B Bis 128-60, Bogotá, Colombia, Telefono: 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: (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-TECNICO 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 encazar las actividades de la Asociación hacia la creación de la “Casa del Geógrafo”, como sede física que alberge 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; alternativamente, 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
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 solventar 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 entornos mediante 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 tecnológicos y construyan los ciudadanos como actores 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.

MEDIOS DE COMUNICACIÓN: El grupo Geopaideia mantiene su diálogo con diversas comunidades para mejorar su calidad de vida urbana y/o rural. d. Realizar actividades de comunicación que construyan la ciudadanía. e. Realizar actividades de cambio de paradigmas científicos y académicos. g. Realizar la gestión y promoción de la investigación y el desarrollo científico desde la formación ciudadana.

RAZÓN CARTOGRAFÍCA, 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 18 No 33- 46 (apto 303), Barrio Teusaquillo, Bogota, Colombia, Telefono: (+571)3404244, 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 Iberoamérica. También le apuesta a la interlucución y a la formación geográfica, cartográfica y pensamiento crítico. 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
coleciones 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: Esta constituido por un Comité Coordinador, un Coordinador, un Administrador y editor del sitio web, un Directorio de Investigadores y Subcriptores 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 Administrador y editor del sitio web es el encargado de mantenimiento del sitio web (es la persona que coordina el 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. Su propósito es 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 cartografía 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 permanentemente estudiantes, profesionales, proyectos y entidades afines. Colaborar con estudiantes, profesionales, proyectos y entidades vinculadas, aliados y afines. Expotlar los TICs 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 asociación 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. Mapoteca Digital: Razón Cartográfica apoya la conformación de una mapoteca digital colombiana, en la que se cataloguen y digitalicen las colecciones cartográficas de archivos, bibliotecas y universidades del país (ya sean de carácter públicos o privados), como plataforma para la investigación, la difusión y la apropiación social de la memoria cartográfica.

UNIVERSITY DE 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, jairodurangover tel@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

PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN: La geografía es una disciplina antiquísima y a la vez muy moderna. La más remota manifestación del pensamiento registrado 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. 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 se forman 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 Ictex, una agencia gubernamental especializada en becas y préstamos educativos.

Título de Magister (M.Sc.) y tesis 2010-2011:
Manotas-olascoaga, Edgar Rafael: “Las inundaciones en el municipio de Montería. Un riesgo percibido por sus habitantes en la ocupación del espacio ribereño del Río Sinú”. (Dr. Héctor F. Rucinque, asesor académico, 2010)
Zapata-Salcedo, Jorge Luis: “Espacios de consumo en la ciudad de Montería, Colombia: Una aproximación desde la geografía cultural”. (Dr. Héctor F. Rucinque, asesor académico, 2011)

UNIVERSIDAD DE LOS ANDES, BOGOTÁ

DEPARTAMENTO DE HISTORIA
FECHA DE FUNDACION: 1948
PROGRAMAS DE ESTUDIO: Maestría
CONTACTO PARA PROGRAMA DE POSGRADO: Catalina Merchán Salazar, maggeo@uniandes.edu.co
POSGRADOS OTORGADOS ANUALMENTE: 4
SITIO WEB: http://historia.uniandes.edu.co/

PARA PEDIR UN CATÁLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Coordinadora Académica: Catalina Merchán Salazar, Numero de teléfono: 339499 ext. 4816, 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, 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 teóricos y 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 urbano
e
e
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—ambiental, 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: Profesional en Geografía/ Licenciatura en Ciencias Sociales
SITIO WEB: http://geografia.univalle.edu.co/

PARA PEDIR UN CATÁLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: Departamento de Geografía, Universidad del Valle, Santiago de Cali, Colombia, Teléfono: (57-2) 3212189, Fax: (57-2) 3303343, departamento.geografia@correounivalle.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 Universidad. 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 de investigación están orientadas en el desarrollo de 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 ENTORNO GEOGRÁFICO, de la cual se han editado 13 números. De otro lado, contribuye a la presentación de la propuesta de realizar la Maestría en Geografía. 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 planos desde antes de su creación, cuando entonces funcionaba como una sección de Geografía en el Departamento de Historia. En la Unidad se enmarcan dentro de lo estipulado para cada cátedra y las investigaciones que tienen de alguna manera afinidades con el quehacer geográfico, y que cuentan con una infraestructura técnica y tradición investigativa, las cuales servirán de apoyo a la Maestría. Estas son: El CVC, El DAGMA, El IGAC e Centro de Estudios Regionales.-REGION; El Observatorio de la geografía; d) Análisis espacial; e) Efectos territoriales de la globalización y las migraciones, f) Geografía agraria

**UNIVERSIDAD EXTERNADO DE COLOMBIA**

**PROGRAMA DE GEOGRAFÍA**

**FECHA DE FUNDACION:** 2005

**ESPECIALIZACIÓN EN GEOGRAFÍA POLÍTICA Y GEOPOLÍTICA DEL MUNDO**

**ACTUAL FUNDADA EN:** 2010

**TITULOS OFRECIDOS:** Pregrado, Especialización

**GRADOS CONCEDIDOS:** Ninguno

**ESTUDIANTES EN RESIDENCIA:** 12 Pregrado, 5 Especialización

**NO EN RESIDENCIA:** 1 Pregrado

**JEFE DE PROGRAMA:** Philippe Chenut (e.)

**PARA PEDIR UN CATALOGO 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

**PROGRAMAS E INSTALACIONES DE INVESTIGACIÓN:** Los objetivos del programa incluyen el estudio de (1) las 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, entre otros

**CONTRATISTAS:**
- Julio Julio César Rubio Magíster en Educación Popular y Desarrollo Comunitario
- Hernando Uribe Castro Magíster en Sociología
- César Castillo, Dr. en Desarrollo Regional e Innovación Territorial
- Carlos González Rodríguez Ingeniero Forestal
- Ramiro Bonilla Sandoval Msc. en Planificación Urbana
- Stella Paredes Especialista en Planificación Urbana y Regional

**PROFESORADO:**
- Jaime Vásquez Sánchez Dr. Geografía Económica –Social
- Rodolfo Espinosa López Magíster en Geografía
- Javier E. Thomas Bohórquez Doctor en Geografía
- Cecilia Orozco Cuñas Msc. en Políticas Públicas y Gestión
- Pedro Martín Martínez: Toro candidato a doctor en Estudios Territoriales
- Luis Marino Santana Rodríguez, Doctor en Cartografía, Sistemas de Información Geográfica y Teleedición
- Oscar Buitrago Bermúdez: Dr. en Geografía
- Zaida Liz Patiño Gómez: Dra. en Ciencias Sociales
- Ramón Serna Isaqa Magíster en Geografía con énfasis en Ordenamiento Territorial
- Jorge Rabiano, Dr. en Geografía
- Jorge Zapata Saldedo Magíster en Geografía
- Wilmar Louiza Cerón estudiante de doctorado en Clima y Ambiente

**E-Mail:** geografia@uexternado.edu.co

**Teléfono (57 1) 341-990. Fax (57 1) (57 1) 341- 8158.**
The Department of Geography (Human Sciences Faculty, National University of Colombia) has undergraduate and graduate programs (Postgraduate diploma in Spatial Analysis, Master in Geography and Doctorate in Geography) and carries out research programs in geography and related sciences and disciplines.

The 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.
PARA PEDIR UN CATÁLOGO Y MAS 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-critico. 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, en la búsqueda de valores, en la recuperación creativa de la comunidad y en la convivencia 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 MEDIA | 4 | DISCIPLINAR Y PROFUNDIZACIÓN
TEORÍA SOCIOLOGÍCA | 1 | 4 DISCIPLINAR
Y PROFUNDIZACIÓN UNIVERSIDAD Y ENTORNO | 3 | GENERAL
SEGUNDO SEMESTRE

ANTROPOLÒGIA 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 | 1 | 4 INTERDISCIPLINAR
TERCERO SEMESTRE

ECONOMÍA GENERAL | 4 | DISCIPLINAR Y PROFUNDIZACIÓN
GEOGRAFÍA HUMANA | 3 | DISCIPLINAR Y PROFUNDIZACIÓN
HISTORIA CONTEMPORÁNEA | 4 | DISCIPLINAR Y PROFUNDIZACIÓN
PROYECTO PEDAGÓGICO | 1 | 4 INTERDISCIPLINAR
SOCIO-HUMANÍSTICA | 1 | 3 GENERAL
CUARTO SEMESTRE ELECTIVA

INTERDISCIPLINAR | 1 | 4
INTERDISCIPLINAR PROYECTO PEDAGÓGICO | 1 | 4
INTERDISCIPLINAR TEORÍA SOCIOLOGÍCA | 1 | 4
Y PROFUNDIZACIÓN DECIMO SEMESTRE

UNIVERSIDAD DE COSTA RICA

ESCUENLA DE GEOGRAFÍA

FUNDA EN: 1974

PRIMERO PLAN DE ESTUDIOS EN GEOGRAFÍA: 1956

GRADOS QUE OFRECE: Bachillerato, Licenciatura, Maestría Académica en Geografía y Maestría profesional en Sistemas de Información y Teledetección (UCR-UNA)

ESTUDIANTES ACTUALES: Bach., 250; Lic., 50; M.Sc., 50

TOTAL DE ESTUDIANTES ATENDIDOS EN 2014: 2224

DIRECTORA: Dra. Isabel Avendaño Flores, catedrática

PARA MÁS INFORMACIÓN EScribir A: Isabel Avendaño Flores, 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:
La enseñanza de la Geografía en Costa Rica inició en la Universidad de Costa Rica. Comenzó como la Sección de Geografía e Historia adscrita a la Facultad de Filosofía y Letras en donde se ofrecía la Licenciatura en Geografía e Historia para formar profesores en la enseñanza de la Geografía e Historia en las escuelas y colegios. En ese momento se ofrecían cursos de geografías regionales.

Hacia 1946, la Sección de Geografía e Historia se elevó al rango de Departamento y pasó a formar parte de la nueva Facultad de Ciencias y Letras. Esta nueva Facultad ofrecía la licenciatura en Ciencias y Letras y se indicaba en el Diploma la especialidad según el Departamento: Geografía e Historia, Filosofía, Filología, Lingüística, Literatura, Biología, Química, Física y Matemáticas. Para 1956, el Consejo Universitario aprobó el primer plan de estudios de la carrera de Geografía e Historia. Hacia 1973, el Consejo Universitario aprobó el plan de estudios de Bachillerato y Licenciatura en Geografía, con lo cual los y las estudiantes tenían por primera vez la oportunidad de recibir títulos excluyentes en Geografía, separados de los de Historia. Además, se podía elegir entre dos énfasis: Humano o Físico.

Para el año de 1974, la Sección de Geografía se convierte en Departamento bajo la dirección del profesor Rafael Obregón Loría y, junto con el Departamento de Historia forman la Escuela de Geografía e Historia. A la vez en este año, dicha escuela pasa a formar parte de la nueva Facultad de Ciencias Sociales. Dos años más tarde, 1976 y para 1977, se graduaron los primeros estudiantes con el grado de bachillerato y licenciatura en Geografía. Hacia el año de 1990 se abre la Maestría Centroamericana en Geografía y unos años más tarde, el departamento de Geografía logra independizarse de Historia para convertirse en la Escuela de Geografía (1997).

Desde que existe la carrera de Geografía se ha establecido una intensa relación 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 de aptitud académica. Para aplicación desde el extranjero, existen convenios con algunas universidades, los instructivos para ingresar desde otros países pueden verse en la página http://www.oaise.ucr.ac.cr/prog_intercambio_acad.htm.

El Programa de Geografía se enmarca en las características de una Universidad humanística, el cual busca llevar a un mejor entendimiento del espacio geográfico, situarse ante las problemáticas actuales y desembozar en la acción y ejecución de medianas de ordenamiento y gestión territorial aplicando modernas herramientas geoespaciales. Existe un bloque de materias dedicadas al análisis e interpretación regional, de tal forma que se imparten geografías regionales para Costa Rica, América Central y del Caribe, Norte y Suramérica, y el Mundo. Materias como geografía de América Latina se ofrecen como materias extracurriculares. También, se incursiona en temáticas de carácter ambiental y a la vez, con mirada holística en cursos como Ecología Tropical, Gestión Ambiental, Ordenamiento del Territorio y Geografía del Paisaje para bachillerato y en el plan de licenciatura con Manejo de Áreas Silvestres, Percepción del Ambiente y ordenamientos de o en: cuencas hidrográficas y ambientes costeros, espacios turísticos, urbano y del espacio agrícola. En ocasiones se ofrecen cursos opcionales como Geografía de la Salud y Geomorfología Litoral. Para obtener el título de licenciatura en Geografía y ejercer como profesional se requiere de un total de 159 créditos distribuidos en 10 ciclos lectivos o semestres. Asimismo, la Universidad de Costa Rica posee el requisito de 300 horas de trabajo comunal universitario.

Se cuenta con dos maestrías (académica y profesional), la 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 Federación Universitaria de Centroamérica (CSUCA).

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). Desarrolla temáticas especializadas en teledetección, fotogrametría, geodesía, 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. El director de ambos programas es el Dr. Rafael Arce Mesén.

PLANTA DOCENTE (2014-2015)


**Arce Mesén, Rafael –Dr. Canadá** – Cartografía Digital, Sistemas de Información Geográfica.

**Artavia Rodríguez, Guillermo –MSc.** – Costa Rica. Biogeografía. Estudios doctorales en Ciencias-UCR

**Avendaño Flores, Isabel** -Dra. en Población, Dra. Costa Rica y Sociedad y Cultura

**Begoñoa Guida, Jean Pierre –Dr. Francia** – Geomorfología

**Birkel, Christian –Dr. Alemania y Escocia** – Hidrología

**Brenes Quesada, Guillermo –D.E.A.** – Geomorfología

**Castillo Vásquez, Roberto –Dr. USA** – Geografía Cultural y Rural


**Cortés Ramos, Alberto** –Dr. Inglaterra – Ciencias Políticas y Geografía

**Durán Segura, Luis Armando** –MSc. Costa Rica y Colombia – Antropología y Estudios Latinoamericanos

**Girot Pignot, Pascal –MSc. Francia** – Geografía

**Granados Chaverri, Carlos L., Dr. USA** – Geografía Política y Cultural

**Gutiérrez Rojas, Rafael –MSc. Costa Rica** – Geografía y Turismo

**León Alfaro, Vazmín** –Lic. Costa Rica

**Lizano Araya, Melvin** –MSc. Costa Rica, Sistemas de Información Geográfica y Teledetección

**Martínez Barbáchano, Rubén** –Lic. España


**Moria Pérez, Marlon –Lic. Costa Rica**

**Ruíz Moreira, Olman –MSc. Costa Rica** – Estadística

**Rodríguez Echavarría, Tania –Dra. Francia** – Ciencias Políticas y Geografía

**Solano Mata, Francisco** –MSc. Costa Rica – Geografía

**Zăghi Venegas, William** –Dr. España – Geografía del Paisaje

PROFESORA EMÉRITA

**Hall Carolyn, Dra. Inglaterra** – Geografía Histórica

**DOCENTES REALIZANDO DE ESTUDIOS DE POSGRADO (2015)**

Acosta Schnell, Sabrine –Maestría en Brasil y Doctorado en Francia (2012-2018), especialidad: Ordenamiento Territorial


Hernández Meza, Andrey –MSc. Doctorado en Francia (2012-2016), especialidad: Geografía Urbana

PLANTA PROFESIONAL
Fernández Arce, Mario. -Dr. México — Geología
Masís Campos, Ramón –MSc. Costa Rica — Sistemas de Información y Teledetección
Reyes Chaves, Jonathan –MSc. Costa Rica — Sistemas de Información y Teledetección
Solano Mata, Francisco -MSc. Costa Rica — Geografía

UNIVERSIDAD NACIONAL DE COSTA RICA
ESCUELA DE CIENCIAS GEOGRÁFICAS
DATE FOUNDED: 1973
GRADUATE PROGRAM FOUNDED: 2003 (Master)
GRADUATE PROGRAM FOUNDED: 2007 (Master)
DEGREES OFFERED: 1 Diplomado, 1 Bachillerato y Licenciatura, 2 Maestrías
GRANTED 2015-2016: Diplomado 29, Bachillerato 64 y Licenciatura 34
STUDENTS: Mestrado 21
CHAIR: Master Lilliam Quirós Arias
DEPARTMENT ACADEMIC PROGRAM COORDINATOR: Doctor Gustavo Barrantes Castillo

PROGRAM E INSTALACIONES DE INVESTIGACIÓN: incluye áreas de trabajo y proyectos asociados:

PLAN ACADEMICO, REQUISITOS DE ADMISION, AYUDA FINANCIERA:
Una carrera de pregrado: Diplomado en Cartografía y Diseño Digital
Una carrera de grado: Bachiller y Licenciado en Ciencias Geográficas con énfasis en ordenamiento del territorio.
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 Chavarria Consuelo, Máster — Cartografía y Enseñanza de la Geografía
Alfaro Sánchez Marvin, Licenciado — Cartografía, Sistemas de Información Geográfica
Alvarado Sánchez Meylin, Máster — Desarrollo Rural Comunitario y Licida. Educación Ambiental y Turismo
Araya Ramírez Ililana, Máster — Geografía Humana y Enseñanza de la Geografía
Arrieta Chavarría Omar, Doctor — Geografía Humana, Ordenamiento Territorial y Epistemología de la Geografía
Arroyo González Luis Nelson, Máster — Recursos Naturales, Fotointerpretación y Desastres Naturales
Barrantes Castillo Gustavo, Doctor — Geografía Física, Gestión del riesgo y geoinformática
Cedeno Montoya, Bepsi, 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
Morera Beita Carlos, Doctor — Geografía Humana, Ordenamiento Territorial, Gestión Municipal
Orias Arguedas Lidia, Master — Geografía Humana, Geografía Física, Geografía y Teledetección
Romero Vargas Marilyn, Licenciada — Planificación territorial
Quirós Arias Lilliam, Máster — Geografía Humana, Desarrollo Rural
Rivera Jiménez Sergio, Licenciado — Legislación ambiental
Rodríguez Soto Francisco, Máster — Planificación urbano regional y Sistemas de Información Geográfica

FINANCIERA:
One Carrera de grado: Bachiller y Licenciado en Ciencias Geográficas con énfasis en ordenamiento del territorio.
Dos Carreras de posgrado: Maestría en Gestión de Turismo de Naturaleza y Maestría en Sistemas de Información Geográfica y Teledetección.

SANDOVAL MURILLO Luis, Licenciado — Geografía, Turismo y Conservación
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 socioeconómicos, 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 y Ordenamiento Territorial”, 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 “Geografía 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 diplomados en distintas instituciones, relacionados 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.

ECUADOR

CENTRO PANAMERICANO DE ESTUDIOS E INVESTIGACIONES GEOGRÁFICAS, CEPEIGE

POINT OF CONTACT: Ing. Ricardo Urbina Cepeda, Director (e).
E-mail: cepeige@cepeige.org. Website: www.cepeige.org Teléfono (593) 02 2237 725, 02 2237 733, 02 2541 200. Fax: (593) 02 2509 122

FOR FURTHER INFORMATION WRITE TO: CEPEIGE:
Seniurgues E4-676 y Gral. Paz y Miño, 3er. Piso del Edificio 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 del Instituto Panamericano de Geografía e Historia, IPGH, y el Aval Académico de una Universidad del Ecuador, 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, en la modalidad presencial y actualmente con énfasis en la modalidad Online. 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 y extranjeros.

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, en la modalidad presencial y de tres meses en la modalidad Online, y se desarrollan entre los meses de junio y diciembre 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 minitesis como requisito para optar por el Certificado de Aprobación.

CURSOS CORTOS PERMANENTES:
En el transcurso del año se dictan cursos de especialización, para la comunidad panamericana tales como:

- CATASTRO Y SIG APLICADOS
- GESTIÓN TERRITORIAL CON HERRAMIENTAS DE SIG
- GPS BÁSICO Y AVANZADO
- MODELAMIENTO AMBIENTAL
- Manejo de sensores remotos & sistemas de información geográfica, con software libre
- Geoestadística
- Diseño e implementación de visualizadores de mapas
- Procesamiento digital de imágenes
- SIG aplicado a las telecomunicaciones, redes de telefonía, TV por cable, y fibra Óptica, infraestructura.
- SIG aplicado a la gestión de agua potable, alcantarillado, aguas lluvias y riego.
- ArcGIS 10. Modelo builder, creación y aplicación de modelos espaciales multitemáticos.
- Marketing territorial
- Aplicaciones espaciales para la gestión ambiental
- SIG aplicado al desarrollo territorial
- Manejo y espacialización de datos censales a través de SIG
- Sistemas de información geográfica aplicado a riesgos naturales
- Procesamiento digital de imágenes satelitales para levantamiento de cobertura y uso de la tierra, utilizando software libre
- Aplicaciones espaciales de alerta temprana a emergencias naturales
- Infraestructura de datos espaciales, metadatos y usabilidad
- Sistemas de información geográfica, básico, intermedio y avanzado, como una especialidad del CEPEIGE dedicada a instituciones públicas, privadas y universidades

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, 320; Maestría, 32
DIRECTOR: Mtr. Galo Manrique

PARA MAYOR INFORMACION ESCRIBIR A: Galo Manrique
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. 11979 Directo. E-mail: gmanrique@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 presupuesto 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 fotografía aérea, 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, agroecosistemas 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 fotografía aérea, 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)
- Conocer y aplicar las bases legales, reglamentarias y de otro tipo, relacionadas con la gestión ambiental y territorial
- 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 agroecosistemas, 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 objeto formar profesionales que logren un dominio de los conceptos metodológicos 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 de escenarios temáticos; práctica de campo; y práctica de tesis.
Mayo información del programa de Maestría se puede obtener en la página web de la PUCE o escribiendo a MSc. Azucena Vicuña (avicunaj@puce.edu.ec), Coordinadora del mismo.

Profesores/as:
Se indica el nombre, áreas de interés o materias que dicta:
Sheik Aragundi, Ph.D. — Areas Protegidas, Ecología, Biogeografía
Jorge Campaña, Lic. — Desarrollo Sustentable, Impactos Ambientales, Educación Ambiental
Felipe Valdez, Master — Sistemas de Información Geográfica, Cartografía Básica
Fredy López, MSc. — Desarrollo Sustentable, Fotointerpretación, Biogeografía, Geografía Física
Shopia Loayza, MSc. — Edafología
Galo Maurique, Mag. — Geología, Geomorfología, Riesgos Naturales, Cuencas Hidrográficas
Milton Maya — Econ, Economía
Olga Mayoroga, MSc. — Planificación Local y Regional, Sistemas de Información Geográfica y Análisis Espacial
Monserrath Mejía, Mag. — Sistemas de Información Geográfica, Cartografía Estadística, Bases de Datos
Santiago Mena, MSc. — Percepción Remota, Cartografía Automatizada
Carlos Nieto, Ph.D. — Agroecología, Recursos Naturales; Proyectos
Franklin Cumbal, Master — Estadística
Aníbal Rocalino, Lic. — Meteorología e Hidrología
Patricio Solís, Mtr. — Geografía Rural. Impactos Ambientales
Soledad Vásquez, Mgr. — Espacio y Sociedad, Cartografía Temática
Azucena Vicuña, MSc. — Geografía de la Población, Demografía, Geografía Urbana
Cristina Rosero, Master — Legislación Ambiental
Svetana Zavgorodniaya, Ph.D. — Geología, Geomorfología, Ordenamiento Territorial, Riesgos Naturales
Jenny Zamora MSc. — Geología geomorfología

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: geoggeo@uwimona.edu.jm;
Web: http://www.mona.uwi.edu/geoggeo/. 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

MEXICO

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. Telefono: 54 4433223865, Fax: 52 4433223880, gbocco@ciga.unam.mx

MISION DEL CENTRO: La misión del CIGA es contribuir a la
EL COLEGIO DE MICHOACÁN

CENTRO DE ESTUDIOS DE GEOGRAFÍA HUMANA-CEGH

FECHA DE FUNDACION: 2002

PROGRAMAS DE ESTUDIO: Maestría

CONTACTO PARA PROGRAMA DE POSGRADO: José Luis Alcauter Guzmán, alcauterg@colmich.edu.mx

POSGRADOS OTORGADOS ANUALMENTE: 1

SITIO WEB: www.colmich.edu.mx

PARA PEDIR UN CATÁLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: José Luis Alcauter Guzmán, Coordinador del CEGH, La Piedad, Michoacán, México, Teléfono: (+52) 3525256107 ext. 2400, cegh@colmich.edu.mx

PROGRAMA E INSTALACIONES:

Since September 2004, the Research Center for Human Geography offers a M.A. Program in Human Geography. The program leads students into contemporary issues related to socio-territorial development and related problems in Mexico and Latin America. Particular emphasis is placed on four research areas: a) Landscape processes; b) Territorial configurations for urban and economic processes and management; c) Territory, political practices and social organization; and, d) Environmental studies: natural risks, social vulnerability and landscape ethnecology.

PLAN ACADÉMICO, REQUISITOS DE ADMISIÓN, AYUDA FINANCIERA: Our facilities in La Piedad, Michoacán, Mexico, include: a specialized library, fully-equipped classrooms, a computer laboratory, and work space for all students.

Beginning in September 2006, the Study Programs at El Colegio de Michoacán will operate on a trimester basis (a total of 8 trimesters expanding over 2 years). During the first 4 trimesters courses on the different fields of human geography (theory, methods, and technical training) are offered. The remaining 4 trimesters are directed at preparing and performing field research. Leading thesis and dissertations with empirical data is mandatory. CONACyT (Mexico’s National Council for Sciences and Technology) and El Colegio de Michoacán have a limited number of fully funded scholarships available to qualified applicants. A bachelor’s degree in Geography or related fields in the social sciences and a minimum of 3.0 as equivalent GPA are mandatory requirements to become a fully funded CONACyT scholarship recipient. Other scholarships and research grants may be obtained through the Mexican Ministry of Foreign Affairs Program for Foreign Students (http://embamex.sre.gob.mx/nigeria/index.php/en/component/content/article/115) and the Organization of American States’ Scholarship Program (http://www.oas.org/en/scholarships/).

PROFESORADO:

Martha Chávez Torres, Ph.D., Université de Corse Pascal Pauil, France — Space, culture and mobility
Octavio González-Santana, Ph.D., Universidad de Guadalajara, Guadalajara, México — Space, culture and mobility
Leticia Mejía Guadarrama, Ph.D., Universidad Nacional Autónoma de México — Socio-economic development and territorial transformation
Carlos Téllez Valencia, Ph.D., Universidad Nacional Autónoma de México — Socio-economic development and territorial transformation
Octavio Montes Vega, Ph. D. El Colegio de Michoacán A. C. Zamora, Michoacán, México — Territory, politics practices and social organization
Néstor Corona Morales, Ph. D. Centro de Investigaciones en Geografia Ambiental-Universidad Nacional Autónoma de México, Morelia, Michoacán, México — Spatial analysis for the detection of natural risks and human vulnerability assessment
Nemer Eduardo Narchi Narchi, Ph. D. (2011). The University of Georgia, Department of Anthropology — Socio-environmental studies, ethnobiology, political ecology and biocultural conservation
José de Jesús Hernández López, Ph. D. El Colegio de Michoacán A. C. Zamora, Michoacán, México — Process in Landscapes
Ángeles Alberto Villavicencio, Ph. D. Universidad de Granada, España — Process in Landscapes
Nabila Cortés Márquez, Ph. D. El Colegio de Michoacán A. C. Zamora, Michoacán, México — Process in Landscapes
INSTITUTO PANAMERICANO DE GEOGRAFÍA E HISTORIA (IPGH)

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 encomiendan y vela por el cumplimiento de los acuerdos adoptados durante 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-TECNICO 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 DIRÍASE A: Secretaría General del IPGH, Ex Arzobispado 29, Colonia Observatorio, 11860 México, D.F., teléfonos (52- 55) 5277-5791 / 5277-5888 / 5515-1910; Fax (52-55) 5271-6172, correo electrónico: CooperacionTecnica@ipgh.org / http://www.ipgh.org

*También lo encuentra como 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, Mexico, D.F., Telefono: 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 al 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 envaluados 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 de 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 acceso 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 geopronóstico, análisis
espatial 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 Gazmán 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

UNIVERSIDAD AUTÓNOMA DE CIUDAD JUÁREZ

URBAN STUDIES Ph.D. PROGRAM
PLANNING AND URBAN DEVELOPMENT M.A.
PROGRAM
GEIONFORMATICS B.S. PROGRAM
DEPARTMENT OF ARCHITECTURE
INSTITUTE OF ARCHITECTURE DESIGN AND ARTS
DATE FOUNDED: 1989

MAJOR AREAS: Geoinformatics, Urban Planning, Urban and Architectural Space, City and Urban Integration Processes, Urban Territorial Analysis

HEAD: Erick Sánchez Flores, Ph.D.
DEPARTMENT ADMINISTRATOR: Elvira Maycotte

FOR CATALOG AND FURTHER INFORMATION WRITE TO:
Department of Architecture, Institute of Architecture Design and Arts, Av. del Charro # 410 N. Ciudad Juárez, Chih. 32310, México Telephone: +52 656 688 4820. Fax: +52 656 688 4620. Email: jada@uacj.mx.
Web: http://www.uacj.mx/IADA/DARQ/Paginas/default.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 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 CONACYT, 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 also serves as the basis for a Continuous Education Training program in geotechnology applications for urban and environmental studies. Some of the main applications developed with the support of this research facilities include projects on remote sensing groundwater exploration and geomorphology mapping; 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; Lidar terrain analysis and modeling; remote sensing derived riparian ETP, 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 two semesters consists of research, interdisciplinary, and specialized seminars. The remaining semesters are devoted to research seminars to complete the thesis work on individual schedules.

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.

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 a 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:
Tendrás las habilidades para describir e interpretar los distintos territoriales; conocerás las teorías y metodologías geográficas para organizar nuestro territorio de la manera más armónica, eficiente yambientalmente 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.

**UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ**

**FACULTAD DE CIENCIAS SOCIALES Y HUMANIDADES**

**FECHA DE FUNDACION:** Agosto de 2002

**PROGRAMAS DE ESTUDIO:** Licenciatura en Geografía

**CONTACTO PARA PROGRAMA DE PREGRADO:** Dr. Oscar Reyes Pérez, osrp@uaslp.mx

**SITIO WEB:**
- http://www.geografiauaslp.com/

**PARA PEDIR UN CATÁLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A:** A.; Oscar Reyes Pérez, Coordinador de la licenciatura en Geografía, San Luis Potosí, México, Teléfono: 52-444-8321000; 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 de manera efectiva dos años del ciclo básico superior, uno de los cursos de los que debes tener un 80% de calificación. Además, el estudiante debe tener un nivel medio superior en las materias de ciencias sociales, física y matemáticas. La Universidad Autónoma de San Luis Potosí le otorga estímulos a los estudiantes que participan regularmente en actividades extracurriculares, así como a los que cumplen con los requisitos académicos establecidos. Las becas disponibles incluyen ayudas para estudiantes de familias económicamente desfavorecidas, becas para estudiantes de excelencia académica y becas para estudiantes de excelencia deportiva. 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 y el trabajo de investigación. Además, el plan de estudios incluye prácticas en el campo, así como la realización de un proyecto de investigación. El estudiante tendrá la oportunidad de trabajar con empresas privadas, agencias de viajes, bancos, instituciones educativas y otras licenciaturas que se ofertan en diferentes áreas. En general, el plan de estudios se centra en la formación de profesionales que sean capaces de aplicar los conocimientos adquiridos en el campo de la geografía a la solución de problemas ambientales y territoriales.
El doctorado en Geografía y Desarrollo Geotecnológico tiene sede en la Facultad de Geografía de la Universidad Autónoma del Estado de México, ubicada en la Ciudad Universitaria de Toluca, Estado de México. Es un programa orientado a la investigación, escolarizado y presencial de tiempo completo que otorga el Grado de Doctor o Doctora en Geografía y Desarrollo geotecnológico. El programa tiene como objeto de estudio “Las dinámicas y procesos espaciales, abordados desde los principios y teorías geográficas y con énfasis en la aplicación y desarrollo de tecnologías de la información geográfica”. Sus líneas de Generación y aplicación del conocimiento son: Innovación y Desarrollo Geotecnológico, Metodologías de la geografía aplicada y Análisis Físico-Geográfico y Socioeconómico. Es un programa de reciente creación, sus primeros alumnos empiezan clases en Agosto del 2017. La coordinadora del Programa es el Dra. Xanat Antonio Nemiga. Contacto: dr.geoydgeotec@gmail.com

**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

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 como los exámenes psicométricos y del idioma. Mayores informes se sugiere consultar la página: [http://facgeografia.uaemex.mx/FacGeo/maeg/index_maeg.php](http://facgeografia.uaemex.mx/FacGeo/maeg/index_maeg.php)

La estructura curricular de la Maestría está conformada por 17 asignaturas. Las materias se organizan en tres áreas académicas: básica, de aplicación y complementaria. El área básica incluye los temas: Problemas geográficos contemporáneos, Fundamentos de análisis cartográfico y espacial en SIG, Diseño e instrumentación geoinformática, Diseño e implementación de bases de datos geoespaciales, Estadística especial y geoestadística, Teledetección aplicada, Planeación estratégica y gestión del territorio, Aplicaciones de SIG, Métodos y Técnicas de modelación espacial. El área de
Aplicación incluye cuatro seminarios de aplicación innovadora del conocimiento y una estancia de vinculación. El área complementaria contempla las siguientes materias optativas: Ecología y biogeografía, Geografía ambiental, Sistemas urbanos y regionales, Geografía económica y social, Manejo integrado de recursos naturales, Gestión integral de riesgos socioambientales, Desarrollo y procesos sociodemográficos, Modelos de análisis socioeconómico, Tratamiento de imágenes ópticas y de radar, Procesos espaciales de geografía económica, Temas socioeconómicos selectos y Temas selectos de medio ambiente.

El aspirante al programa de Doctorado en Geografía y Desarrollo Geotecnológico deberá contar con el grado de maestría en geografía, geoinformática, geomática, planeación urbana, planeación territorial, ordenamiento territorial, ingeniería geomática, geología ambiental, ciencias ambientales, ingeniería ambiental y otras maestrías estrechamente relacionadas con los procesos geoespaciales, conforme al objeto de estudio del programa.

Sus cualidades incluirán capacidad de análisis y síntesis, disposición y actitud para el trabajo interdisciplinario. Deberá tener experiencia por lo menos inicial en el desarrollo de investigaciones y en la preparación de documentos académicos. Adicionalmente es deseable un nivel básico en el uso y manejo de las tecnologías de la información geográfica para mayores informes se sugiere consultar la página http://facegeografia.uam.mx/FacGeo/doctoradogeo/egreso_DOCGE O.php.

Ambos programas se encuentran inscritos en el Padrón Nacional de Postgrados de Excelencia del Consejo Nacional de Ciencia y Tecnología, por lo que ofrecen beca de posgrado nacional de CONACyT 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.

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 Gutiérrez — Geodetecnia, Ind. de Innovación y del conocimiento.

Doctora en Derecho de la Empresa Elsa Irene Ruiz de la Cruz — Gestión de recursos naturales y degradación de suelos, evaluación de tierras, levantamiento de suelos.


Doctora en Ingeniería Roberto Franco Plaza — 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 tecnologías de la Información Geográfica.

Maestra en Manejo de Recursos Naturales. Xanat Antonio Némiga — Gestionación 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 Sociología. Edel Cadena Vargas — Geografía Económica y de la Margenación.

Doctor en Geografía. Emilio Baró Suárez — Gestión de riesgos naturales y desastres.


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, Efrain Peña Villada — Geografía ambiental y Riesgos naturales.

Doctor en Educación. Carlos Reyes Torres — Enseñanza de la Geografía, geografía rural.

Doctora en Ingeniería. Raquel Hinojosa Reyes — Geografía del Transporte.


Doctora en Geografía, Patricia Flores Olivera — Geomorfología y riesgo.

Doctor en Ciencias de la Tierra, Héctor Víctor Cabadas Baez — Geología y Geomorfología.

UNIVERSIDAD AUTÓNOMA METROPOLITANA (UAM), CAMPUS IZTAPALAPA

COORDINATION OF HUMAN GEOGRAPHY PROGRAM

DATE FOUNDED: 2002

DEGREES OFFERED: B.A. in Human Geography; M.A. and Ph.D. forthcoming

MAJORS: Regional and Economic Geography, Cultural Geography, Environmental Studies

HEAD: Dr. Cristóbal Mendoza

FOR CATALOG AND FURTHER INFORMATION WRITE TO: Coordinador de la Licenciatura en Geografía Humana, Dr. Cristóbal Mendoza, Universidad Autónoma Metropolitana Unidad Iztapalapa, San Rafael Atlíxico, 186, edificio H, Colonia Vicentina, Delegación Iztapalapa, CP 09340 México DF. Phone: (52-55) 5804 6466. FAX 5804-4789. Email: cmp@xanum.uam.mx. Information is also available at: http://dcsh.izt.uam.mx/licenciaturas/geografia_humana/.

PROGRAMS AND RESEARCH FACILITIES: Faculty members develop research in different fields of Geography. Students are invited to participate in the research projects that are coordinated by our faculties. Computer facilities are opened to geography students, including GIS, quantitative methods. Distance education will be developed soon.

ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID: The admission exam are held annually in the period March-July. Every September, a new generation of students start Geography on a trimester-based program. The program consists of 12 trimesters. Ordinary trimesters have 4-5 courses of 4 weekly hours each. Foreign language (English and French) are included in the syllabus as compulsory courses. After trimester 8th, students...
choose specialization among three possible options: (i) City and culture, (ii) regional and economic geography; (iii) environmental studies. Optional courses are available in different schools, as engineering, biology, other social science disciplines, etc. Financial aid is available through official programs (UAM-Federal Ministry of Education). Exchange mobility programs are opened to students of other Latin American universities.

**FACULTY (Basic Staff):**
Cristobal Mendoca, Ph.D. Kings College, London — geography of population, migration, quantitative methods
Rocio Rosales, Ph.D. National Autononomous University of Mexico (UNAM) — economic geography, regional planning, local economic development, political geography and geography of Mexico
Ludger Brenner, Ph.D. Universität Trier — geography of tourism, environmental governance, environmental studies
Pedro Sunyer, Ph.D University of Barcelona, Spain — geography and history, epistemology of geography
Martín Checa-Artasu, Doctor Ph.D University of Barcelona, Spain — local economic development, urban geography
Alicia Lindón, Ph.D., El Colegio de México, México — epistemology of geography, cultural geography, urban geography and qualitative methods
Armando García Chiang, Ph.D. University of Sorbonne, France — economic geography, regional planning, political geography, geography of Mexico
Rafael Calderón Contreras, Ph.D. University of East Anglia — environmental studies, cartography, GIS
Paula Soto, Ph.D. Catholic University of Chile — urban geography, cultural geography, qualitative methods, gender studies

**COMPLEMENTARY STAFF:**
Faculty from other disciplines are working on a partial time basis. Their orientations range from social psychology, cartography, GIS and remote sensing to anthropology, sociology, history, or economy. Occasionally foreign teachers are integrated temporarily for specific teaching and research activities.

**ACADEMIC PLAN, ADMISSION REQUIREMENTS, AND FINANCIAL AID:**
The Licenciatura in Geografía inició en marzo de 1980. The plan of estudios opera en sistema semestral de créditos and con el enfoque de competencias profesionales. Entre las competencias se tienen cuatro: Cartografía, Investigación, Gestión del Territorio y Docencia. The diplomado se ofrece a instituciones interesadas en capacitar a sus colaboradores en el conocimiento y aplicación de los Sistemas de Información Geográfica, con un total de 175 horas. 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:**
Bertha Márquez-Azúa, Dr. , Ministerio de la Universidad y de la Investigación Científica y Tecnológica, Italia, 1993, Profesor-Investigador titular “C”, Perfil Promep, Investigador Nacional Nivel I — deformación de la coraza terrestre, mediciones por GPS, tectónica, vulcanismo, percepción del riesgo
Andrzej Zeromski-Kaczmareck, Dr., Academia de Ciencias de Polonia, 1981, Profesor-Investigador titular “C” — geografía humana, desarrollo sustentable, ordenamiento territorial
Luís Felipe Cabrales Barajas, Dr., 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
Miguel Cházar-Basáñez, Dr., Universidad de Guadalajara, Profesor-Investigador titular “C”, Perfil Promep — taxonomía botánica
Heriberto Cruz-Solis, Dr., Universidad de Alcalá, España, 1998, Profesor-Investigador titular “B”, Perfil Promep, Investigador Nacional Nivel I — sistemas de información geográfica, cartografía y teledetección
Ruth Miranda-Guerrero, Dr. , Universidad de Alcalá, España, 2002, Profesor-Investigador titular “A”, Perfil Promep, Investigador Nacional Nivel I — atlas, sistemas de información geográfica y cartografía
Raúl Acevedo-Rosas, Dr., Instituto de Ecología, A. C., 2003,Perfil Promep,Profesor-Investigador titular “A” — biogeografía y sistématica vegetal
Juan Carlos Bustamante, Dr., Universidad de Guadalajara, 2005, Profesor-Investigador asociado “B” — ordenamiento territorial, planeación del la educación
José de Jesús Torres Contreras, Dr., Universidad de Guadalajara, 2007, Profesor-Investigador titular “B” — geografía rural
Elba Lonelli-Mijes, candidato a Dr., Universidad del Valle de Atemajac, Profesor-Investigador titular “B” — educación
Javier Rentería Vargas, candidato a Dr. El Colegio de Jalisco, Profesor de carrera titular “B” — planificación urbana y regional, innovación del territorio, geografía electoral y teoría de la geografía

Pedro Méndez-Guardado, Estudiante de Dr. Universidad de Guadalajara, Profesor-Investigador titular “B”, Perfil Promep — ecología, recursos naturales, economía ambiental, ambiente y desarrollo

Hirineo Martínez-Barragán, Estudiante de Doctorado en Ciencias Sociales, Profesor-Investigador titular “B”, Perfil Promep — límites territoriales

Margarita Anaya-Corona, estudiante de Dr., Universidad Nacional Autónoma de México, Profesora-Investigadora Titular “A” Nivel I — medio ambiente, calidad de vida

Lucía González-Torreros, Dra. Universidad de Guadalajara, 2010, Perfil Promep, Profesor-Investigador titular “A” — turismo, desenvolvimiento local

María Teresa Rentería-Rodríguez, estudiante de Dr., Universidad Complutense de Madrid, Profesora-Investigadora asociado “A” — geografía social

Carlos Suárez-Plascencia, Estudiante de Dr. Centro de Investigaciones Educación Superior, Profesor-Investigador titular “A”, Perfil Promep — riesgos

Juan Pablo Corona Medina, M.C., Universidad de Colima, Profesor-de asignatura — sistemas de información geográfica, geomática

Rosa Oliva Contreras-Urre, M.C., Universidad de Alcalá, España, Profesor de asignatura — sistemas de información geográfica, cartografía

Juan Gallardo-Valdés, M.C., Universidad de Guadalajara, 2005, Profesor de asignatura — salud ambiental, salud pública, contaminación ambiental

Mónica González-López, M.C., Universidad de Alcalá, España, Profesora de asignatura — cartografía, sistemas de información geográfica, teledetección

María Dolores Andrade-García, Estudiante de Doctorado, Universidad de Guadalajara, 2004, Perfil Promep, Profesora-Investigadora asistente “C” — salud pública y cartografía

Martín Vargas-Inclán, M.C., Universidad de Guadalajara, 2005, Profesor-Investigador asistente “C” — desarrollo local, suelos, J. Hildelgardo Gómez-Sención, M.C., Universidad de Guadalajara, 2006, Profesor-Investigador asociado “A” — desarrollo local

Abel Hugo Ruíz-Vera, M.C., Universidad de Guadalajara, 2005, Profesor promepProfesor-Investigador titular “A” — desarrollo local

Fernando Zaragoza-Vargas, M.C., Universidad de Alcalá, Profesor-Investigador asociado “A” — cartografía, teledetección, sistemas de información geográfica

Leticia Loza-Ramírez, M.C., Universidad de Guadalajara, 2003, Profesor-Investigador titular “A” — climatología

Rosalba Castañeda-Castro, M.C., Universidad de Guadalajara, 2006, Profesordocente asociado “B” — docencia, antropológica social, ciencia de la educación, epistemología de la geografía

México, Profesor-Investigador titular “A” — antropología social

Antonio González-Salazar, M.C., Universidad de Guadalajara, 2002, Profesor-Investigador titular “A” — antropología social

Rubén Alfonso Rodríguez-Vera, M.C., Universidad de Guadalajara, 2004, Perfil promep, Profesor-Docente titular “B” — desarrollo local, legislación, gestión y ordenamiento territorial

Gustavo Saavedra de la Cruz, M.C., Universidad de Guadalajara, 2004, Profesor-Investigador titular “A” — desarrollo local, riesgos y ordenamiento territorial

Armando Chávez-Hernández, M.C., Universidad de Complutense de Madrid, Profesor-Investigador titular “A” — paisaje

Francisco Copado-González, M.C., Universidad de Guadalajara, Profesor-Investigador asociado “C” — suelos

María del Carmen Mañor-Huerta, M.C., Universidad de Guadalajara, 2004, Perfil promep, Profesor-Docente asociado “C” — suelos, sistemas de información geográfica

Mónica González-López, M.C., Universidad de Alcalá, España, Profesora de asignatura — cartografía, sistemas de información geográfica, teledetección

María Dolores Andrade-García, Estudiante de Doctorado, Universidad de Guadalajara, 2004, Perfil Promep, Profesora-Investigadora asistente “C” — salud pública y cartografía

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Leticia Loza-Ramírez, M.C., Universidad de Guadalajara, 2003, Profesor-Investigador titular “A” — climatología

Rosalba Castañeda-Castro, M.C., Universidad de Guadalajara, 2006, Profesordocente asociado “B” — docencia, antropológica social, ciencia de la educación, epistemología de la geografía

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Antonio González-Salazar, M.C., Universidad de Guadalajara, 2002, Profesor-Investigador titular “A” — antropología social

Rubén Alfonso Rodríguez-Vera, M.C., Universidad de Guadalajara, 2004, Perfil promep, Profesor-Docente titular “B” — desarrollo local, legislación, gestión y ordenamiento territorial

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Francisco Copado-González, M.C., Universidad de Guadalajara, Profesor-Investigador asociado “C” — suelos

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María Evangelina Salinas-Escobar, M.C., Universidad de Guadalajara, 2001, Profesor-Investigador titular “B”, Perfil Promep — geografía de la población, desarrollo social y trabajo, ordenamiento territorial

Juan de Dios Robles-Pastrana, M.C., Universidad de Guadalajara, 2006, Profesor-Docente asociado “C”

Kativa Magdalena Lozano-Uvario, estudiante de Dr., Universidad Nacional Autónoma de México, Profesor-Investigador titular “A”, Perfil Promep

Catherine Amick Liot, Dr. Universidad de París, Francia, Profesor-Investigador titular “A”, Investigador Nacional, SNI — arqueología

Armando Juárez, M.C., Universidad de Ciudad Juárez, 2004, Profesor-Investigador titular “A” — suelos, territorio, región, geografía económica


Rosa María Sandoval-Sandoval, Candidata a Doctora., Universidad de Guadalajara, 2004, Técnico-Académico asociado “C” — pedagogía y didáctica de la geografía

Luís Oviedo-Velázquez, M.C., Universidad Nacional Autónoma de México, Profesor-Investigador titular “A” — georreferenciación, georreferenciación y cartografía

Julián Alberto Flores-Díaz, Candidato a M.C., Universidad de Guadalajara, 2004, Profesor-Investigador asociado “C” — geología

José Fernando Rico-Román, Candidato a Maestro, Universidad de Guadalajara, 2004, Profesor-Investigador asistente “C” — educación Guadalupе Quezada-Chico, Ingeniero Agrícola, Universidad de Guadalajara, 1993, Profesor-Investigador asistente “C” — suelos

Laz Alejandra Martínez-Castillo, Licenciatura, Universidad de Guadalajara, Profesor de asignatura — cartografía

Moisés, Pérez Muñoz, Ingeniero Civil, 1992, Universidad de Guadalajara, Profesor-Docente titular “B” — cartografía, hidrática, matemáticas

UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

COORDINACIÓN DEL PROGRAMA DE POSGRADO EN GEOGRAFÍA

FACULTAD DE FILOSOFÍA Y LETRAS – INSTITUTO DE GEOGRAFÍA-CENTRO DE INVESTIGACIONES EN GEOGRAFÍA AMBIENTAL

GRADOS QUE SE OTORGAN: Maestro en Geografía y Doctor en Geografía

ALUMNOS EN LA MAESTRÍA: 50
ALUMNOS EN EL DOCTORADO: 36

COORDINADORA ACTUAL: Dra. Carmen Valverde

ASISTENTE ACTUAL: Dra. Socorro Audifred

JEFE DE POSGRADO EN EL CAMPUS MORELIA: Dr. Pedro Sergio Uruqui Torres

PARA MAYOR INFORMACIÓN Y SOLICITUD DE CATÁLOGO ESCHRIBA A: Coordinación del Programa de 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-
PROGRAMA DE INVESTIGACIÓN (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. Han 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 antes de un jurado de cinco sinoaules 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 sinoaules 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 sinoaules de los cuales, dos son preferentemente externos al Programa.

En ambos caso, es deseable que el estudiante se incorpore a un proyecto de investigación que realice su tutor.

PLAN ACADÉMICO, REQUISITOS DE ADMISION, AYUDA FINANCIERA: 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 caso, 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.
Aguiar 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.
Aldávila Ayala, Iraisema, 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.
Rocco Verdinelli, Gerardo, Doctor en Ciencias Geográficas, Universidad de Amsterdan — Geografía ambiental.
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 — Hidrobiología.
Casado Izquierdo, José María, Doctor en Geografía, UNAM — Cartografía temática y ordenamiento territorial.
Chiar Becceril, Luis, Doctor en Geografía, Université de Toulouse, Francia — Geografía del transporte.
Coll-Martí Aroca, María Francisca, Atlántida, Doctora en Geografía, UNAM — Geografía histórica y económica de México.
Commons de la Rosa, Áurea 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, Alejandro Larrazabal, Maestra en Información de suelos para el manejo de los recursos naturales — SIG participativo.
Delgado Campos, Genaro Javier, Doctor en Urbanismo, UNAM — Interface urbano regional.
Echavevere Huacuja, Flavio, 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, Sohorne, París, 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 — Geocología del paisaje.
Garnay 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 Paris-Sorbona — 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, Areas Naturales Protegidas y actores sociales.
Juárez Gutiérrez, María del Carmen, Doctora en Geografía, UNAM — Geografía de la población.
Legorreta 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 López, Álvaro, Doctor en Geografía, UNAM — Geografía de género.
Lugo Hub, José Inocente, Doctor en Ciencias Geográficas, Universidad Estatal de Moscú, Lomonosov, Moscú — Geomorfología volcánica y antrópica.
Mañerov Rascón, Laura Elena, Doctora en Geografía, UNAM — Hidrografía.
Martínez Luna, Víctor Manuel, Maestro en Geografía — Hidrogeografía, geografía física y geomorfología de cuencas pequeñas.
Mas Causset Jean Francois, Doctor en Ciencias Geográficas, Universidad Paul Sabatier, Toulouse, Francia — Percepción remota.
McCall Keith, Michael, Doctor en Geografía, Northwestern University, Evanston IL, USA — Mapa 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.
Moraes, Estadística — Estadística aplicada.
Navarrete Pacheco, José Antonio, Maestro en Ciencias de la Geografía — Información y observación de la tierra — Peligros y riesgos naturales.
Olvera Martínez, Patricia, Doctora en Geografía, UNAM — Geografía urbana.
Oropeza Orozco, Oralia, Maestra en Ciencias, Vulnerabilidad y riesgos naturales — Actores sociales.
Ortíz Álvarez, María Inés, Doctora en Geografía, UNAM — Geografía de la población.
Ortíz Pérez, Mario Arturo, Doctor en Geografía, UNAM — Geomorfología estructural.
Ospino 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 Legisse, 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 — Geocronología del paisaje.
Propin Frejomal, Enrique, Doctor en Filosofía, Universidad Karl Max, Leipzig República Democrática Alemana — Geografía económica.
Quintero Páez, 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, Oliva, Maestra en Urbanismo, UNAM — Percepción remota y urbanización.
Sámano 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.
Urquiño Torres, Pedro Sergio, Maestro en Historia — Historia ambiental.
Vázquez Selen, Lorenzo, Doctor en Geografía, Universidad Estatal de Arizona, E.U.A — Geomorfología, geómetrozología volcánica y dendrocronología.
Vieyra Medrano, José Antonio, Doctor en Geografía, Facultad de Geografía e Historia, Universidad Complutense de Madrid — Geografía urbana.
Zamorano Orozco, José Juan, Doctor en Filosofía, Universidad Estatal de Moscú, M.Y. Lomonovosv — Peligro, vulnerabilidad y riesgos.
Zavala Vaca, Hugo, Maestro en tecnologías de la información — SIG.

NICARAGUA

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA, MANAGUA

UNAN – MANAGUA
RECUENTO UNIVERSITARIO “RUBÉN DAR O”
FACULTAD DE HUMANIDADES Y CIENCIAS JURÍDICAS

DEPARTAMENTO DE GEOGRAFÍA

GRADO OFRECIDO: Licenciado en Geografía

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Programa de Licenciatura en Geografía

El Departamento de Geografía como unidad académica perteneciente a la UNAN-Managua, brinda y aporta a la sociedad Nicaragüense la formación de profesionales geógrafos con capacidad para comprender, relacionar y aplicar los aspectos fundamentales de la ciencia geográfica, fomentando 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 tomar decisiones adecuadas para solucionar los problemas generados de la relación hombre-naturaleza.

El Departamento de Geografía cuenta con un cuerpo docente que enseña la Carrera de Geografía a nivel de Pregrado, Educación Continua y Posgrado, realizando investigaciones y extensión
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
- Formulador 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.

Blandón Chavarría Lissette Carolina, Licenciada en Geografía UNAN – Managua.


Dávila José Ramón, Licenciado en Ciencias Sociales, UNAN – Managua, Maestría en Didáctica Especial, UNAN - Managua.

D Trinidad Almanza Ana María, Licenciada en Geografía UNAN – Managua.


Espinoza Rivera Samanta María, Licenciada en Geografía UNAN – Managua.


Rivas Rivas Enrique Ernesto, Licenciado en Geografía UNAN – Managua.

Úbeda Trajillo Ingrid Elizabeth, Licenciada en Geografía UNAN – Managua.

PROGRAMA DE LICENCIATURA EN TURISMO
Directora: Magíster Luis Hervey

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 HOTELERÍA Y RESTAURANTE
Gastronomía y Bebidas, Inglés Conversacional IV, Admón. de Agencias de Viajes, Administración Hospitalaria, Redes 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 humanosambientales 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.

PROFESORES DEL DEPARTAMENTO DE GEOGRAFÍA:
Magíster Ascela Aguina – Panamá Chiriquí, David. Universidad de Cartago
Magíster Michelle Carrillo – Panamá Chiriquí, David. Universidad de Cartago
Magíster Luis Hervey – Panamá Chiriquí, David. Universidad de Cartago
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”
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, Geógrafo.Especialista en Evaluación y Conservación de Recursos Naturales
Magíster Yolanda del C. Aizpurúa – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Arabelle C. de Atencio – Panamá, UNACHI. Geógrafa, S.I.G.
Magíster Octavió Caballeri – Panamá, UNACHI. Geógrafo Licenciada Edna R. Villamonte de Castillo – Panamá, UNACHI. Geógrafa
Magíster Luis A. Diez 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
PARAGUAY

UNIVERSIDAD NACIONAL DE ASUNCIÓN, PARAGUAY

FACULTAD DE INGENIERÍA
CARRERA DE INGENIERÍA EN CIENCIAS GEOGRÁFICAS

REPUBLICA DEL PARAGUAY, SAN LORENZO
DATE FOUNDED: 8 de Febrero de 1979

PROGRAMS AND RESEARCH FACILITIES:
La Facultad de Ingeniería de la Universidad Nacional de Asunción, Facultad de Ingeniería, Carrera de Ciencias Geográficas, Campus Universitario, San Lorenzo-Paraguay. Teléfono: 595 21 585581/4. info@ing.una.py. 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, resultando 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 Nº 1538-02-79 del

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 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 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.

PERU

PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ

FACULTAD DE LETRAS Y CIENCIAS HUMANAS
ESPECIALIDAD DE GEOGRAFÍA Y MEDIO AMBIENTE

CATEGORÍA: Catedrático

PRACTICANTE: Federico Villareal y PUCP

PERÚ

UNIVERSIDAD NACIONAL MAYOR DE SAN MARCOS

MAESTRÍA EN GEOGRAFÍA: Mención en “Gestión y Ordenamiento Territorial”


Con la mención en “Gestión y Ordenamiento Territorial” desde el 2003

TITULOS OFRECIDOS: Magister

DIRECTOR DE LA UNIDAD DE POSTGRADO FACULTAD DE CIENCIAS SOCIALES: Dr. Valdemar Espinoza

COORDINADORA DE LA MAESTRÍA EN GEOGRAFÍA: Dra. Alicia Huamantinco

PROGRAMAS E INSTALACIONES DE INVESTIGACION: 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 para el Ordenamiento Territorial, Taller de Investigación III

PROFESORADO:
Alicia Huamantinco Doctor Universidad Federal de Rio de Janeiro Brasil
Hildegardo Córdova PhD Universidad de Wisconsin EEUU
Katarzyna Gołuchowska 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 Licárraga Bobbio, Magister
Juan Meléndez de la Cruz, Magister
Fausto Asencio, Magister
Juan Guerrero, Magister
Luz Consuelo Muguruza, Magister
Rita Andrade, Magister

TRINIDAD AND TOBAGO

UNIVERSITY OF THE WEST INDIES, ST. AUGUSTINE

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.
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. Long Malet, Juris Doctor, Interamerican University of Puerto Rico, M. Public Health, University of Puerto Rico, San Juan — geography and law, population geography
Irvin E. Toledo Rodríguez, M.A., Akron — cartography, geographic information systems

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 trough 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.

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.

UNIVERSITY OF PUERTO RICO

DEPARTMENT OF GEOGRAPHY

DATE FOUNDED: Program, 1945; Department, 1968
DEGREES OFFERED: Bachelors
STUDENTS: Undergraduates, 145
CHAIR: Ángel David Cruz Báez
DEPARTMENT SECRETARY: Evelyn Ramos Cosme

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: 787 764 0000, exts. 4164 and 2479; Fax Number: 787 773 1709; e-mail address: geografia@uprrp.edu.
CONTACT PERSONS: Dr. Bheshem Ramlal. Head of Department. bheshem.ramlal@sta.uwi.edu; Ms Monique Joseph, Secretary, geomaticsengineering.and.landmanagement@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: geomaticsengineering.and.landmanagement@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 among others.

The Department has access to a wide array of facilities to support it 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.

FACTORIES:
Opadeyi, Jacob, BSc., MSc. (Lagos), MEng, PhD (New Brunswick), MBA (UWJ), MRICS, Professor — Engineering Surveying, Geographic Information Systems, Land Administration
Al-Tahir, Raif, BSc. (Baghdad), MSc., PhD (Ohio State), MASPRS (USA), MRSPS PIns (UK), Senior Lecturer — Photogrammetry, Remote Sensing
Myocche, Michelle, BA (Hons) (UWI), MSc (Hong Kong), PhD (McGill), MITTSP, MISOCAIR, 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 — Geographic Information Systems, Surveying
Davis, Dester, 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
Boyens-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
Sultani-Maharaj, Shelly, BSc., MSc. (UWI), External Lecturer — Introduction to Planning
Thomas, Deborah Heather-Dow, 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: Geospacio
SITIO WEB: www.anpg.org

PARA MAS INFORMACION CONTACTAR: Miguel Ligüera, Presidente de la asociación, Convención Nº 1382 oficina 101. Montevideo, Uruguay, Telefono: 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° se suplentes. Duran dos años y pueden ser reelectos por un solo 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 blanque.-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 eleccionario, escrutinio y determinación de los resultados, proclamando a las nuevas
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

PARA PEDIR UN CATÁLOGO Y MAS INFORMACIONES, FAVOR DE ESCRIBIR A: María del Rosario Bottino Bernardi, Docente formadora de formadores en Geografía, Uruguay, Telefono: 46220717, Fax: 46220891, 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: 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, 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 Pederzert, 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. Maestra 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 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. 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 Iglésias, docente egresado del Instituto de Profesores Artigas, en la mención Geografía — Geología, Estructura del Mundo Contemporáneo, Geografía Física II, 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


PROGRAMA Y FACILIDADES: Reglamento de ingreso de alumnos a la universidad central de Venezuela, capítulo I, disposiciones generales. Artículo 1º 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 2º 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 3º 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 semestres y un ciclo profesional con cinco semestres. 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:
Miguel Poveda miguel.poveda09@gmail.com, Licenciado en Geografía. UCV, 1976, Profesor Asistente, en Cartografía y Fotointerpretación.
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Juan Rafael Batista rafaelbatista@gmail.com. Licenciado en Geografía 1995 Profesor Instructor en Introducción a la Teledetección
<p>| Program Specialties                                                                 |
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| <strong>UNITED STATES</strong>                      |                                    |
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| <strong>ARIZONA</strong>                             |                                    |
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| San Diego State University              | X X X X X X X X X X X X X X X X X X X |
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| <strong>COLORADO</strong>                            |                                    |
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North America

- Florida
  - Florida International University
  - Florida State University
  - University of Florida
  - University of South Florida

South America

- Georgia
  - Georgia College & State University
  - Georgia State University
  - Kennesaw State University

- Hawaii
  - University of Hawaii, Manoa

- Idaho
  - University of Idaho

- Illinois
  - Augustana College
  - Chicago State University
  - DePaul University
  - Eastern Illinois University
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303
TITLES OF THESSES AND DISSERTATIONS COMPLETED
2015-2016

UNITED STATES

ALABAMA

UNIVERSITY OF ALABAMA

Masters (Science):
Cox, Lauren A "Effects of an Intermediate-Scale Wind Event on Forest Composition, Structure, and Structural Complexity." (Hart, 2016)
Jackson, Charles A "Vegetation-Environment Relationships and Species Assemblages in Three Vertical Strata after an Intermediate- Scale Wind Disturbance in a Quercus Forest." (Hart, 2015)
Pierce, Gregory H "Geomorphic Response to Tornado Impact in Abrams Creek, Smoky Mountains National Park, Tennessee." (Davis, 2016)
White, John P "A Spatial Analysis of Management Techniques Used on Nuisance Black Bears in Great Smoky Mountains National Park, USA (1990-2015)." (Steinberg, 2016)

Masters (Arts):
Gillyard, Romeo "Using GIS in the Planning of Response and Recovery to Mass Shooting Events." (Sim, 2016)
Sayed, Md Abu "Intelligent Parking Management System (IPMS) - A multi agent based model." (Sim, 2016)

UNIVERSITY OF NORTH ALABAMA

Masters (Science):
Brodie, Mark S. "Factors Influencing Resilience in Flood Response, Recovery, and Prevention: Case Study of The Souris River Valley, Minot, ND." (Hawley, 2016)
Livingston, Trey M., "Hawaiian Islands Land Trust: North and South Kona Conservation Analysis." (Hawley, 2017)
Spice, Derik D. "Avalanche Education in Northern Arizona." (Foti, 2016)
Tafoya, Matthew N., "Using Geographic Information Systems (GIS) to Enhance Campus Safety, Planning, and Building Management." (Hawley, 2016)
Zanoni, Jennifer M. "Dasymetric Mapping Method and Derermining Farmer's Market Demographics and Accessibility." (Hawley, 2016)

ARIZONA

ARIZONA STATE UNIVERSITY

PhDs:
Galletti, Christopher "Understanding Environmental Change and Biodiversity in a Dryland Ecosystem through Quantification of Climate Variability and Land Modification: The Case of the Dhofar Cloud Forest, Oman." (Turner, 2015)
Kelley, Scott "The Transition to Alternative Fuel Vehicles (AFVs): an Analysis of Early Adopters of Natural Gas Vehicles and Implications for Refueling Infrastructure Location Methods." (Kuby, 2015)
Laura, Jason "A Taxonomy of Parallel Vector Spatial Analysis Algorithms." (Rey, 2016)
Lyon, Michael "Will Beijing Achieve Global City Status? An Assessment to the Year 2030." (Webster, 2016)
Seo, Kihwan "Impacts of Transportation Investment on Real Property Values: an Analysis with Spatial Hedonic Price Models." (Kuby, 2016)

UNIVERSITY OF ARIZONA

PhDs:
Bae, Jinwon "Concentration in Regional Economics, Environmental Economics, Modeling." (Dall’erba, 2017)
El Vilay, Audra "Reassembling the subject: the politics of emotion, care, and environmental memory in abolitionist Mauritanian." (Marston, 2017)
Magrane, Eric "Creative Geographies and Environments: Geopoetics in the Anthropocene." (Marston, 2017)
Minor, John Jesse "Ecological resilience to disturbance in Madrean ecosystems." (Barron-Gafford, 2017)
Ranek, Anne "Paradoxical Spaces: Identity and everyday spatial practice among Muslim youth in Copenhagen, Denmark." (Jones, 2017)

**Masters (Arts):**
- Remington Santiago Franklin
- Sarina Nikita Mann
- Megan Mills-Novoa
- Joseph Patton
- Emilie Louise Schur
- Christopher Richard Zemp

**Masters (Science):**
- Mohamed Alhmoudi
- Kevin R Curley
- Elizabeth Frances Delcamp
- Cassandra Carrera Fausel
- Jennifer Ann Geiger
- Alexander L Gerrish
- Bree A Gomez
- Andrea Kurman Goodbar
- Philippe Huerstel Labadie
- Jessica Faye Little
- Wilson Lopez Rios
- Jacob Marker
- Kathleen Markham
- Jonathan Andrew Mather
- Roland B McIntosh
- Jarred Moore
- Yajuan Pan
- Charles S Perry
- Ann Catherine Pettit
- Christopher Daniel Quintanar
- Guillermon Rodriguez, Jr
- Jared Rogers
- Gregory John Rothwell
- Joshua Schwartz
- John David Silva
- Steven Jay Steinmetz
- Austin John Tracy
- Timothy John Villaran
- Alayna Wilcox

**Masters in Development Practice:**
- Lee Montgomery Allen
- Robin Elizabeth Burke Al-haddad
- Ida Nadia Sedjro Djentontin
- Chloe J Hein
- Gnae Genet Klasek
- Paige Klotsman
- Elizabeth Lee Koleski
- Natalia Perozso
- M Fardous Asem Rahmani
- Karla Nohemi Rascon-Garcia
- Monica Lisa Paguntalan Teves
- Jessica Carol Uren

**CALIFORNIA STATE UNIVERSITY, NORTHRIDGE**

**Masters (Arts):**
- Aguilar, Luis "Shifts in species dominance in a Mediterranean ecosystem under a changing fire regime." (Orme, 2016)
- Bacic, Andrew "Mapping food deserts and supermarket accessibility in Stockton, California." (Maas, 2016)
- Bailey, David "Using SWAT (Soil Water and Assessment Tool) to Evaluate Streamflow Hydrology in a Small Mountain Watershed in the Sierra Nevada, Ca." (Giraldo, 2015)
- Choate, Caitlin "Spatial Statistical Analysis of the Effect of Gentlemen’s Clubs on Crime in the City of Los Angeles." (Boroushaki, 2015)
- Goddyak, Olga "Perceived effects of residential tourism in Belize" (Jackiewicz, 2016)
- Hasenhutt, Claudia "People's perception of wildlife in urban parks: a case study in the Santa Monica Mountains and Griffith Park." (Davidson, 2015)
- March, Chad "Evaluating stormwater flow in an urban environment using GIS a case study in Glendale, California." (Boroushaki, 2015)
- Martinez Reyes, Efren "Fighting for space: A GIS-based spatiotemporal analysis of terrorism in Israel and Palestine." (Graves, 2016)
- Most, Madison "Landscape factors associated with exotic plant invasion in Western Riverside County, California." (Adhikari, 2015)
- Osborn, Amanda "Big Island view towards tourism." (Jackiewicz, 2015)
- Prindle, Mark "Sustainable vs. unsustainable: A geographic study of a major metropolitan city and the development of a model to measure levels of sustainability by census tracts in Los Angeles County, California." (Graves, 2015)
- Rafii, Afsaneh "A GIS-based analysis of why children do not walk to school in Lomita, California." (Graves, 2015)
- Saikali, Lara “What’s a scene sorth? A valuation study of Seattle’s music industry.” (Graves, 2016)
- Serrano, Anabel "Parental involvement among Latino communities in Los Angeles County: geographic study about Latino parental involvement in elementary schools." (Davidson, 2016)
- Simental, Luis "Are college-educated minorities also contributing to gentrification in Los Angeles County?" (Maas, 2016)
- Suwan, Chontanat "Finding The Most Suitable Location For A New College/University In Los Angeles County." (Boroushaki, 2015)
- Tadayon, Mani "Andreas Gursky and the Landscape of Globalization." (Davidson, 2015)
- Ulmer, Mark "Where’s the rock? An examination of rock music’s long-term success through the geography of its artists’ origins and its status in the music industry." (Graves, 2015)
- Van Buskirk, Joshua "Differentiating Anthropogenic Rangeland Degradation from Climate Variability on Cimarron National Grassland in Morton County, Kansas." (Orme, 2016)

**SAN DIEGO STATE UNIVERSITY**

**PhDs:**

Masters (Arts):
Allen, Jason “Evaluating differences in riparian vegetation in semi-arid watersheds of San Diego County.” (Biggs, 2017)
Coronado, Alejandra “Spatial Associations and Network Dynamics Between the Vaccine Exemption Discussion in Twitter and the Corresponding Geographic Space” (Tsou, 2017)
Delgado, Emanuel “Unintended Consequences of ‘Gentrification’ in Barrio Logan.” (Swanson, 2017)

Masters (Science):
Hicks, Bridget “Collaborative Efforts Towards Connectivity Conservation: A Case Study of the Yellowstone to Yukon Conservation Initiative.” (Levine, 2017)
Huang, Cheng-Chia “Developing a Data Mining Framework to Identify a Sense of Gentrification through Social Media Data: A Case Study Using Instagram Posts in Salt Lake City, Utah.” (Nara, 2017)

SAN FRANCISCO STATE UNIVERSITY

Masters (Arts):
Ballanti, Laurel “Hyperspectral Tree Species Classification in Muir Woods National Park.” (Blesius, Hines, Kruse, 2016)
Chasey, Richard “Southeast Farallon Island Seed Bank Characterization.” (Holzman, Hines, Parker, 2016)
Dicker, Katherine “Sustainable Scuba Diving? Exploiting Conscious Underwater Impact as Influenced by Eco-Perception.” (Donovan, Hines, 2016)
Doudna, Ellen “Trends in the Water Energy Food Nexus of California’s Central Valley.” (Narus, Wilkinson, Gundak, 2016)
Maher, Suzanne “Bio-micrometeorology of a Sierra Nevada Montane Meadow.” (Oliphant, Davis, 2016)
Miller, Jill “Animal Geography and Wildlife Interpretation of Urban Bats.” (Wilkinson, Blecha, 2016)
Pervin, Rubaya “Identifying Changes in Mangroves in Trat Province, Thailand and Koh Kong Province, Cambodia.” (Hines, Blesius, Baldwin, 2016)
Studwell, Anna “Predicting Nonresident Seabird Foraging Habitat to Inform Conservation Planning.” (Hines, Holzman, Jahnke, 2016)

Masters (Science):
Barnes, Allison Haley “An Object-Oriented Classification of Impact Craters Using Lunar Reconnaissance Orbiter Data.” (Blesius, Davis, 2016)
Greig, Nathaniel “Composition and Analysis of Vessel Speeds off the Coast of Washington State.” (Hines, Liu, 2016)

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

PhDs:
UNIVERSITY OF CALIFORNIA, DAVIS

PhDs:
Choe, Hyeyeong "Biodiversity Conservation Planning for South Korea: Predicting Plant Biodiversity under Climate Change and the Impacts from Forest Conversion Scenarios." (Quinn, 2015)
Christensen, Elizabeth "The Changing Seasons of Produce Distribution: An Investigation into the Past, Present, and Future of the Produce Supply Chain in California." (Galt, 2016)

Masters (Arts):
Dailey, Naomi "The Chicken or the Egg? Hen Health and Food Safety on California's Pastured Poultry Farms." (Niemeyer, 2016)
Pearson, Veronica "Examining the Geomorphic Form and Function of the Putah Creek Nature Park Restoration." (Greco, 2015)

UNIVERSITY OF CALIFORNIA, LOS ANGELES

PhDs:
Antos, Michael "Social-Ecological and Institutional Barriers to Adaptive Water Management." (MacDonald, John Agnew, 2016)
Ashraf, Camran "The Spatiality of Power in Internet Control and Cyberwar." (Shin, 2016)
Dintwe, Kebonye "Assessing potential impacts of climate change on carbon cycle in savanna ecosystems." (Okin, 2016)
Gleason, Colin "On Rivers." (Smith, 2016)
Goldstein, Jennifer "Mega-Development, Scientific Expertise, and the Remaking of Indonesia's Degraded Peatlands." (Carney, 2016)
Grant, Andrew "Belonging and Ethnicity in China's West: Urbanizing Minorities in Xining City on the Eastern Tibetan Plateau." (Agnew, 2016)
Hamdani, Timur "Mediums of Belief: Muslim Place Making in 20th Century Turkey." (Fait, 2016)
Rovzar, Corey "Conservation of Hawaii's dry forest: An application of habitat suitability modeling, GIS, and field methods." (Gillespie, 2016)
Willis, Kate "California's Dynamic Landscape: Monitoring Ecological Response to Human Impact and Drought Using Satellite Imagery." (Gillespie, MacDonald, 2016)

Masters (Arts):
Esposito, Chris "An Evolutionary Theory of Regional Economic Growth and Change." (Rigby, 2016) 
Rietmann, Carsten "Diffusion of Breakthrough Technologies in the United States (1975-2005)." (Rigby, 2016)

UNIVERSITY OF SOUTHERN CALIFORNIA

Masters (Science):
Alexander, Robert "A Comparison of GLM, GAM, and GWR Modeling of Fish Distribution and Abundance in Lake Ontario." (Karen Kemp, 2016)
Anderson, Valerie "Historical Ecology of the Split Oak Forest in East Central Florida." (John Wilson, 2015)
Becker, Charles "A Spatial Analysis of Veteran Healthcare Accessibility." (Robert Vos, 2016)
Bengoa, Anne "Automating 'Ethington Transections': A New Visualization Tool." (Philip Ethington, 2016)
Chien, Wayne "Geospatial Analysis of the Round Fire: A Replication of Burn Severity Analyses in the Sierra Nevada." (John Wilson, 2015)

Masters (Arts):
Chien, Wayne "Geospatial Analysis of Income Level, Food Deserts and Urban Agriculture Hot Spots." (Daniel Warshawsky, 2016)
Cruz, Hildemar "A Geospatial Analysis of Income Level, Food Deserts and Urban Agriculture Hot Spots." (Daniel Warshawsky, 2016)

PhDs:
Dowling, Caitlan Using MAXENT Modeling to Predict Habitat of Mountain Pine Beetle in Response to Climate Change." (Travis Longcore, 2015)
Farman, Lance "Validation of Volunteered Geographic Information Quality Components For Incidents of Law Enforcement Use of Force." (Robert Vos, 2015)
Fitzpatrick, Bryan "Unmanned Aerial Systems for Surveying and Mapping: Cost Comparison of UAS vs Traditional Methods of Data Acquisition." (Jennifer Swift, 2016)
Gaumitz, Bennett "Precision Agriculture and GIS: Evaluating the use of Yield Maps Combined with LiDAR Data." (John Wilson, 2016)
Gonzalez, Jason "Visualizing Email Response Data to Improve Marketing Campaigns." (Jennifer Swift, 2015)
Gosch, Megan "Geospatial Web Application Development to Access Irrigation Asset Data: Veterans Affairs Palo Alto Health Care System." (Darren Ruddell, 2016)
Jin, Jennifer "Installing Public Electric Vehicle Charging Stations: A Site Suitability Analysis in Los Angeles County, California" (Daniel Warshawsky, 2016)
Johnson, Mark "Evaluating the Utility of a Geographic Information Systems-Based Mobility Model in Search and Rescue Operations." (Karen Kemp, 2016)
Jones, Charles "The Spatial Effect of AB 109 (Public Safety Realignment) on Crime Rates in San Diego County." (Darren Ruddell, 2016)

PhDs:
Khan, Ebrahim "A Unified Geodatabase Design for Sinkhole Inventories in the United States." (Karen Kemp, 2016)
Kingsley, Giles "Distribution and Correlates of Feral Cat Trapping Permits in Los Angeles, California." (Travis Longcore, 2015)
Kline, Matthew "Modeling Potential Impacts of Tsunamis on Hilo, Hawaii: Comparison of the Joint Research Centre's Schema and FEMA's HAZUS Foundation Scenarios." (Jennifer Swift, 2016)

Lin, Michelle "Implementing Spatial Thinking with Web GIS in the Non-Profit Sector: A Case Study of ArcGIS Online in the Pacific Symphony." (Robert Vos, 2016)

Martos, Jason "Visualizing Historic Space through the Integration of Geographic Information Science in Secondary School Curriculums: A Comparison of Static versus Dynamic Methods." (Darren Ruddell, 2016)

Mattison, Colin "Does the Bay Area have a Social Center?" (John Wilson, 2016)

McDonald, Brian "Dasymetric Mapping of Building Stocks within HAZUS-FL." (John Wilson, 2016)

McMahon, Nancy "The Role of GIS in Asset Management: County of Kauai Department of Parks and Recreation: A Need for an Asset Management Program." (Yao-Yi Chiang, 2016)

Musser, Johnny "Modeling Historic Structure Preservation Candidacy on Fort Ord." (Karen Kemp, 2016)

Nash, Norman "Detection and Accuracy Assessment of Mountain Pine Beetle Infestations Using Landsat 8 OLI and WorldView02 Satellite Imagery Lake Tahoe Basin-Nevada and California." (Steve Fleming, 2016)


Nienkamp, Mary "Evaluating Surface Casing Depths of Oil & Gas Operations in an Effort to Protect Local Groundwater: A GIS Enabled Process." (Karen Kemp, 2016)


Oyarzun, Megan "Predicting Archaeological Sites in Northeastern California’s High Desert using the Maxent Model." (Karen Kemp, 2016)

Pham, Kacey Johnson "GIS Data Curation and Web Map Application for La Brea Tar Pits Fossil Occurrences in Los Angeles, California." (Jennifer Swift, 2015)

Pugh, Matthew "Residential Housing Code Violation Prediction: A Study in Victorville, CA Using Geographically Weighted Logistic Regression." (Karen Kemp, 2016)

Quant, Michael "GIS-Aided Production of Equipment Locator Maps for Metro Rail Maintenance and Support." (Steve Fleming, 2016)

Ray, James "A User Study of GIS Infused Genealogy with Dynamic Thematic Representation and Spatiotemporal Control." (Robert Vos, 2016)

Rodriguez, Joel "Walkability Study for School Accessibility: Case Study of the San Juan, Puerto Rico Elementary Schools." (Robert Vos, 2015)

Schili, Alex "Archaeological Least Cost Path Modeling: A Behavioral Study of Middle Bronze Age Merchant Travel Routes Across the Anamuis Mountains, Turkey." (John Wilson, 2016)


Seo, Joanne "An Evaluation of Esri’s Tapestry Segmentation Product in Three Southern California Communities: Manhattan Beach, Santa Monica, and Venice Beach." (John Wilson, 2016)


So, Shuk Wai "Urban Green Space Accessibility and Environmental Justice: A GIS-Based Analysis in the City of Phoenix, Arizona." (Daniel Warshawsky, 2016)


Stewart, Nathan "Using Pedestrian Accessibility Indicators to Locate Schools: A Site Suitability Analysis in Greenville County, South Carolina." (Daniel Warshawsky, 2016)


Tsang, Yee Kit "Site Suitability Analysis: Small-Scale Fixed Axis Ground Mounted Photovoltaic Power Plants in Fresno, CA." (Daniel Warshawsky, 2016)

Ulloa, Kathy "Analyzing the Relationship Between Urban Forests and Ethnicity in West Covina Using GIS and Object-Based Image Analysis." (John Wilson, 2015)


Webster, Faith "Spatial and Temporal Patterns of Long-term Temperature Change in Southern California from 1935 to 2014." (Karen Kemp, 2016)


Wright, Patricia "Predicting the Presence of Historic and Prehistoric Campsites in Virginia’s Chesapeake Bay Counties." (Karen Kemp, 2016)

COLORADO

UNIVERSITY OF COLORADO, BOULDER

PhDs:


Jochem, Warren Christopher "Social and spatio-temporal patterns of arsenic exposure and the impacts on respiratory health in rural Bangladesh." (Root, 2016)


Rowen, Ian "The Geopolitics of Tourism: mobilities, territory and protest in Taiwan and China." (Oakes, 2016)

Schubert-Zhang, Amelia "Impacts of Female Out-Migration on Ethnic Korean Communities in China." (Oakes, 2016)

Masters (Arts):

Auger, Emily Hewitt "Quantifying forest mortality with the remote sensing of snow." (Noah Molotch, 2015)

Krumminga, Sara "Constructing the Weltwirtschaft Germainia: Spatialities of Biopower and Sovereign Violence in the Nazi Capital." (Najeeb Jan, 2016)

McCurdy, Adam "Simulated climate adaptation in stormwater conveyance structures." (William Travis, 2016)

Yilmaz, Bunyamin "Application of GIS-based fuzzy logic and analytical hierarchy process (AHP) to snow avalanche susceptibility mapping, North San Juan, Colorado." (Mark Williams, 2016)

UNIVERSITY OF COLORADO, COLORADO SPRINGS

Masters (Arts):

Cook, Justin "A tale of 30 cities: effects of the Great Recession on fertility in America’s 30 most populous cities" (Skop, 2015)


Santa Cruz, Sara "The UCCS greenhouse and farm: reconnecting people, place, and food" (Havlick, 2015)
UNIVERSITY OF DENVER

PhDs:
Lavanchy, Gary Thomas "When Wells Run Dry: Water and Tourism Along the Western Coast of Nicaragua."  (Taylor, 2015)
Siraj, Amir Said "Climate driven changes to malaria transmission patterns in Ethiopian highlands."  (Sutton, 2015)

Masters (Arts):
Mooney, Meghan Elizabeth "Pedestrian Mobility in Denver: A Mixed Methods Approach."  (Goetz, 2015)
Quintana, Joseph A. "Crafted Places: The Use of Place in Wisconsin Craft Beer Marketing."  (Boschmann 2015)
Kellner, Grace Catherine "Growing food security: The impact of community gardens on food security in Denver, Colorado."  (Powell, 2015)

Masters (Science):
Bixler, Steven "Classification, Visualization, and Analysis of the Islamic State’s Narrative."  (Hick, 2015)
Bowlin, Esther "Utilizing Web-based GIS Applications for Spatial Analysis of Real Estate Appraisal Data."  (Hick, 2015)
Chapin, Scott "Normalizing the Churchill County, Nevada Easement Database."  (Hick, 2015)
Contran, Daniel "Analysis of Atypical Trail Ridge Sands in SE Georgia."  (Hick, 2016)
Everette, Benjamin "GIS Implementation Plan for Beckley Police Department."  (Hick, 2016)
Flynn, Ted "The New Geospatial Technology Competency Model: Bringing Workforce Needs Into Focus."  (Hick, 2016)
George, Carmen "Locating a Wildlife Corridor for the Wild Tiger in India."  (Hick, 2015)
Gonzales, Bryan "RTS Data Streamliner The Development of a New Data Workflow."  (Hick, 2016)
Perry, Leslie "Using GIS to Assess Species Distributions in the Pacific Northwest."  (Hick, 2015)
Rahm, Christopher "Using GIS to Assess Species Distributions in the Pacific Northwest."  (Holder, 2016)
Rhodes, Joseph "Prioritizing Road Segments for Protected Bicycle Facility Provision in the City of Seattle."  (Hick, 2016)

UNIVERSITY OF CONNECTICUT

Masters (Science):
DeGrazia, Tracy "The Inclusion of Geospatial Techniques and Geographic Information System in the Middle and High School Social Studies Curriculum in Connecticut."  (Summers, 2015)
Kocaba, James "Vegetarianism in Connecticut: Landscapes and their Effect on Dietary Lifestyles Choices"  (Pope, 2015)
Ocasio, Raquel "An Evaluation of Socially Beneficial Experiences Based on Biophilic Integration within the Workspaces of the Mak Twain House and Museum in Relation to the Hierarchical System of Values within Sustainability"  (Button, 2015)

UNIVERSITY OF DELAWARE

PhDs:
Buxton, Carly "Evaluating the Effects of the Pacific Decadal Oscillation on Winter Precipitation in the Cascades using a Mixed-Physics WRF Ensemble."  (Hanson, 2016)
Hughes, Christopher "The Impact of land and sea surface variations on the Delaware sea breeze at local scales."  (Veron, 2016)

Masters (Science):
Hudson, Sean "The Effects of Meteorological Conditions on Throughfall Drop Size Distributions Under a Broadleaved Forest Canopy in North Eastern Maryland."  (Levia, 2016)
King, Michalea "The Sensitivity of Arctic Sea Ice to Cloud Radiative Conditions in Spring and Early Summer."  (Veron, 2016)

FLORIDA

FLORIDA INTERNATIONAL UNIVERSITY

PhDs:
Hall III, William.  "(Un)Making the Food Desert: Food, Race, and Redevelopment in Miami’s Overtown Community."  (Hollander, 2016)

GEORGIA STATE UNIVERSITY

Masters (Science):
Hill, T. Chee “Land Cover Change Impacts on Multidecadal Streamflow in Metropolitan Atlanta GA, USA.” (2017)
Hinton, Hayden “Land Management Controls on Hydraulic Conductivity of an Urban Farm in Atlanta, GA.” (2016)
Hughes, Jessie “An Evaluation of Late Holocene Sea Level Rise and Anthropogenic Impacts; Jones Narrows Marsh, Chattahoochee-85 Corridor of the Southeastern Piedmont.” (2016)
Neal, Fredrick “Geographic Variation of Radon Gas Concentrations in Relationship to Housing Characteristics In Dekalb County, Georgia.” (2016)
S. Acker, Adam “Spatial Analysis of Environmental Factors Affecting Endangered and Invasive Fish Species on the Belize Barrier Reef.” (2016)
Simpson, Alexandra M. “Authigenic Clays used as Terrestrial Climate Proxies: Locality 80, Olduvai Gorge, Tanzania.” (2016)
Tidwell, Christopher “Deciphering Phosphorus and Aluminum Physiochemical Associations in Paleolake Sediments of Long Pond, GA.” (2016)
Walker, Ryan K. “Interweaving Geochemical And Geospatial Data To Identify High Concentrations Of Metal Contamination From Copper, Lead, And Zinc Within Utoy Creek, Atlanta GA.” (2016)

HAWAII

UNIVERSITY OF HAWAII AT MANOA

PhDs:
Metzker, Kathryn “Growing Up in the Margins: Rural & Urban Therapeutic Landscapes for Female Human Trafficking Survivors in India.” (Mostafanezhad, 2016)
Shea, Alessandra G. “Coral Disease Trends & Coral Species Composition Change in US Pacific Territories / Cuban Marine Management.” (Rieser, 2016)
Strach, David A. “Setting Place at the table: The Cultural Biogeography of Mole.” (Wester, 2016)
Wright, Emily C. “The Upshot of Upgrading: Seaweed Farming & Value Chain Development in Indonesia.” (Suryanata, 2017)

IDAHO

UNIVERSITY OF IDAHO

PhDs:
Zhou, Hang "Diagnosis and Estimation of Cryospheric Changes in Central Asia." (Aizen, 2016)

Masters (Science):
Boydien, Elizabeth "Regulatory floodplain revisions, the National Flood Insurance Program, and future implications: a case study of Ada County, Idaho" (Humes, 2015)
Courtox, Laura "Potential farm planning strategies for the prevention of modern famines in Malawi using game theory and linear programming methods" (Dezzani, 2015)
Dong, Enheng "A comprehensive analysis of travel mode choices for the urban grocery shopping trip: a case study of Salt Lake County, Utah" (Liao, 2015)
Henry, Kevin "Development of a comprehensive network-based hazard evacuation model: a case study of Balboa Island, California" (Frazier, 2015)
Matsche, Daniel "A Geographically Weighted Regression Approach to Landslide Susceptibility Modeling" (Humes, 2016)
Reber, Joseph "Assessing social vulnerability to the impacts of climate change on forest ecosystems: a case study of the Pacific Northwest" (Frazier, 2015)
CHICAGO STATE UNIVERSITY

Masters (Arts):
Delnavaz, Saeid, "Comprehensive Analysis of Corner Stores and Schools in an African-American Neighborhood in Chicago," (Block, 2015)
El-Amin, Quiyim, "The Upcycle of the Former Rank & Son Buick Dealership: A Comparative Study of Sustainable Real Estate Practices," (Burnett, 2015)
Marseille, Muriel, "On Poverty and Sustainability: A Geographic Analysis of Poverty and Green Technology in Urban Chicago," (Block, 2015)
Roedl, Laura, "Land Use/Land Cover Changes on the Coastal Islands of India and Bangladesh," (Block, 2015)
Ssepuuya, Fredrick (2016)
Waarith, Waliyyuudin (2016)

NORTHERN ILLINOIS UNIVERSITY

PhDs:
Strader, Stephen M. "Changes in the U.S. Tornado Disaster Landscape." (Ashley, 2016)

Masters (Science):
Bergman, Dustin P. "Using LIDAR to Measure the Urban Forest in DeKalb, IL." (Pingle, 2016)
Ferguson, Alex P. "Spatiotemporal Analysis of Residential Flood Exposure in the Atlanta, Georgia Metropolitan Area, 1990-2010." (Ashley, 2016)
Heuer, Casey S. "Utilizing GIS and Vulnerability Attributes in Order to Establish Effective Emergency Management Techniques." (Wilson, 2016)
Irizarry, Ashley C. "Changes in the U.S. Hurricane Disaster Landscape: The Relationship between Risk and Exposure." (Ashley, 2016)
Moses, Mary B. "Carbon Assimilation of Oak Seedlings Under Canopy Openness Manipulations." (Goldsblum, 2016)
Smith, Sarah E. "Restoration Age and Quality Effects on Dynamic Soil Properties at Nachusa Grasslands in Franklin Grove, IL." (Konen, 2016)

SOUTHERN ILLINOIS, CARBONDALE

Masters (Science):
Deitz, Shiloh "A Spatial Analysis of the Relationship Between Obesity and the Built Environment in Southern Illinois." (Duram, 2016)
Fucik, Daniel "Effects of the Changing Climate on Hydropower Production in the Sacramento River Watershed and California's Electricity Prices." (Secchi, 2016)
Haldeman, Brooke "Influence of Synoptic Scale Circulation on Temperature and Equivalent Temperature Extremes in Chicago, IL (1948-2014)." (Schoof, 2015)
Lakancic, Khara "Sensitivity of Strong Extratropical Cyclones to Large-Scale Climate Variability in the Contiguous United States." (Schoof, 2016)
Sockow, Cami "Assessing National Data on the Relationship of Science Education and Environmental Performances." (Duram, 2016)

SOUTHERN ILLINOIS UNIVERSITY, EDWARDSVILLE

Masters (Science):
Tidball, Alex "Human Perceptions of Animals in the St. Louis Region: Prospects for a Transspecies City." (Hanlon, May 2016)

Masters Research Project Presentations:

UNIVERSITY OF ILLINOIS, URBANA CHAMPAIGN

PhDs:
Colette, April "Floods, Favors and Fixes: The Reproduction of Vulnerability in Santa Fe, Argentina." (Ribot, 2015)
De Leon Alejandro, Jose "Ostrecthing Economic Development: Exploring Inter-organizational Networks in the Chicago Metro Area." (Hewings, 2015)
Fogelman, Charles "Gender, Authority, and the Politics of Land in Lesotho." (Bassett, 2016)
LeRoy, Jessica "From Meander Bend to Oxbox Lake: Morphodynamics and Sedimentology of Chute Cut-offs." (Bassett, 2016)
Remo, Alex W "Banking an Offsets: A Political Ecological and Eco-Geomorphic Analysis of Section 404 Compensatory Stream Mitigation Banking in Illinois and Missouri." (Bassett, 2016)

Masters (Arts):
Fishman, Jamie "Geospatial Analysis of Preventable Emergency Department Visits in Chicago, IL." (Sara McLafferty, 2015)

Heil, Melissa "Community Development for Whom?: The Role of Community Development Corporations in the Neoliberal City." (Wilson, 2016)


Reents, Courtney " Detection and Characterization of Forest Disturbances in California." (Greenberg, 2016)

Zaimi, Rea " Recycling Citizenship: Infrastructure Transformations and Access Struggles in Dakar’s Solid Waste Management System." (Jesse Ribot, 2016)


INDIANA UNIVERSITY

INDIANA UNIVERSITY

PhDs:

Bishop, Catherine "Appropriate Technology in the African Oil Palm Belt: Diffusion, Culture, and Environment." (Lave and Bronzizio, 2015)

Gholizadeh, Hamed "Combining Machine Learning and Remotely Sensed Band-ratios to Investigate Chlorophyll Content and Photosynthetic Processes." (Robeson, 2016)


Roth, Philip "Household Activity Scheduling and Travel Behavior." (Knudsen, 2015)

Savener, Amy "Being in Time: Heideggerean Existential Authenticity and Imperialist Nostalgia in Tourists to Guna Yala, Panama." (Knudsen, 2016)


Masters (Arts):

Antreasian, Carmen "Lacan en pointe: A psychoanalytic analysis of the ballerina." (Knudsen, 2016)

Pomilia, Curtis "The Politics of Social Determinants and the Built Environment in CDC Chronic Disease Prevention." (Lave and Bronzizio, 2015)

Masters (Science):

Burke, William "Impacts of Projected Climate Change on Streamflow Timing in Coastal Watersheds of the Western United States." (Ficklin, 2016)


INDIANA UNIVERSITY – PURDUE UNIVERSITY INDIANAPOLIS

Masters (Science):

Alhaj Mohamad, Fahed “Retrieval of Aerosol Optical Depth from Modis Data At 500 M Resolution Compared with Ground Measurement in the State of Indiana.” (Johnson, 2015)

Baller, Matthew Lee “Comparison of Urban Tree Canopy Classification With High Resolution Satellite Imagery and Three Dimensional Data Derived From LIDAR and Stereoscopic Sensors.” (Scott)

Beervel Ravichandra, Kayva Urs “Spatiotemporal analysis of extreme heat events in Indianapolis and Philadelphia for the years 2010 and 2011.” (Johnson, 2015)


Bellingher, Nathan “Predictors of Primary Care Physicians Practicing in Medically Underserved and Rural Areas of Indiana.” (Zollinger, 2015)

Boyd, Kelly D. “Identifying enhanced urban heat island convection areas for Indianapolis, Indiana using space-borne thermal remote sensing methods.” (Johnson, 2015)

Burgess, Aaron W. “Determining trip and travel mode from GPS and accelerometer data.” (Wilson, 2016)

Compton, Andrea Jean "The correlation of sea surface temperatures, sea level pressure and vertical wind shear with ten tropical cyclones between 1981-2010." (Martin, 2013)


Dine, James "A Habitat Suitability Model for Ricord’s Iguana in the Dominican Republic." (Ramer, 2015)


Ford, Of The “Parallel worlds: attribute-defined regions in global human geography.” (Scott)

Gidley, Susan “Using high resolution satellite imagery to map aquatic macrophytes on multiple lakes in northern Indiana (Johnson, 2009)

Hancock, Miranda J. “Predicting Water Quality By Relating Secchi Disk Transparency Depths To Landsat 8.” (Lula, 2015)

Heintzelman, Asrah “Availability of Supermarkets in Marion County.” (Scott, 2010)

Hoch, Shawn “Comparing Spatial Measures of the Built Environment for Health Research.” (Scott)

King, Steven M. “Predicting locations for urban tree planting.” (Johnson, 2014)

Li, Li “Spatio-temporal analyses of the distribution of alcohol outlets in California.” (Banerjee, 2014)

McDonald, Joseph P. “Geography: Its Place In Higher Education Enrollment.” (Banerjee, 2010)

Porter, Raymond E. “Public perception and response to extreme heat events.” (Johnson, 2015)

Randolph, Kaylan Lee “Remote Sensing of Cyanobacteria in Case II Waters Using Optically Active Pigments, Chlorophyll a and Phycocyanin.” (Scott)

Rigg, Michelle C. “Tree Mitigation Strategies to Reduce the Effect of Urban Heat Islands in Center Township, Indiana.” (Johnson)

Segel, Mandi J. “Medical Imaging Centers in Central Indiana: Optimal Location Allocation Analyses.” (Banerjee, 2016)

Severns, Christopher Ray “A comparison of geocoding baselayers for electronic medical record data analysis.” (Wilson, 2013)

Simmons, Kenneth Rulon “Extreme Heat Event Risk Map Creation Using a Rule-Based Classification Approach.” (Patrick, 2011)


Sperl, Benjamin J. “Augmenting Indiana's groundwater level monitoring network: optimal siting of additional wells to address spatial and categorical sampling gaps.” (Banerjee, 2014)

Stanforth, Austin Curran “Identifying Variations of Socio-Spatial Vulnerability to Heat-Related Mortality During the 1995 Extreme Heat Event In Chicago, Il, USA.” (Johnson, 2011)

Vallely, Lara Anne “Confounding Constituents in Remote Sensing of Phycocyanin.” (Scott)


Webber, J. Jeremy III “Statistical downscaling of MODIS thermal imagery to Landsat 5tm + resolutions.” (Johnson, 2013)

Ye, Nan “Comparison between high-resolution aerial imagery and lidar data classification of canopy and grass in the NESCO neighborhood, Indianapolis, Indiana.” (Johnson, 2014)
KANSAS

FORT HAYS STATE UNIVERSITY

Masters (Science):
Fry, Joshua "Redescription of a Specimen of Pentaceratops (Omnititanidae: ceratopsidae) and Phylogenetic Evaluation of Five Referred Specimens from the Upper Cretaceous of New Mexico." (Dr. Laura Wilson, 2015)

Green, John Hunter "Petrophysical Attributes, Depositional Environment, and Diagenetic History of a Mississippian Interval from McPherson County, Kansas, USA." (Dr. Hendratta Ali, 2016)

Kirchner-Smith, Mackenzie "3D Geometric Morphometrics In Modern And In Modern Dinosaurs: Understanding Their Evolutionary History." (Dr. Laura Wilson, 2015)

Schaeffer, Carol "Construction of High Resolution Contour Maps of Major Oil-Producing Subsurface Layers in Trego, Ellis, Russell, Rush, Barton and Pawnee counties, Kansas using ARCGIS." (Dr. Kenneth Neuhauer, 2015)

PhDs:
Commerford, Julie "Investigating North American Grassland Biogeography throughout the Holocene." (Kendra Maclauchlan, 2016)

Chimire, Kabita "Geographic Distribution of Malaria in Nepal." (Douglas Goodin, 2016)

Haddock, Brandon "In Plain Sight: The LGBT Community in the Kansas Flint Hills." (Lisa M.B. Harrington, 2016)


Masters (Arts):
Bloedel, Penny "Characterizing and Mapping Sediment Erodibility of Tuttle Creek Lake in Northeast Kansas." (Charles W. Martin, 2016)

Jean, Christy "Hydrological Transitions: A Story of Kansas Watershed Districts." (John A. Harrington, Jr, 2016)

Larsen, Thomas "Last Child on the Prairie: Geo-Progressions, Mental Maps, and Community-Based Sense of Place among Kansas Third Graders." (John A. Harrington, Jr, 2016)

Williams "Analysis of Vegetation Dynamics and Burn Scar Mapping at Smoky Hill Air National Guard Range, Kansas using Moderate Resolution Satellite Imagery." (Shawn Hutchinson, 2016)

KANSAS STATE UNIVERSITY

PhDs:
Commerford, Julie "Investigating North American Grassland Biogeography throughout the Holocene." (Kendra Maclauchlan, 2016)

Chimire, Kabita "Geographic Distribution of Malaria in Nepal." (Douglas Goodin, 2016)

Haddock, Brandon "In Plain Sight: The LGBT Community in the Kansas Flint Hills." (Lisa M.B. Harrington, 2016)


Masters (Arts):
Bloedel, Penny "Characterizing and Mapping Sediment Erodibility of Tuttle Creek Lake in Northeast Kansas." (Charles W. Martin, 2016)

Jean, Christy "Hydrological Transitions: A Story of Kansas Watershed Districts." (John A. Harrington, Jr, 2016)

Larsen, Thomas "Last Child on the Prairie: Geo-Progressions, Mental Maps, and Community-Based Sense of Place among Kansas Third Graders." (John A. Harrington, Jr, 2016)

Williams "Analysis of Vegetation Dynamics and Burn Scar Mapping at Smoky Hill Air National Guard Range, Kansas using Moderate Resolution Satellite Imagery." (Shawn Hutchinson, 2016)

UNIVERSITY OF KANSAS

PhDs:
Artman, Vincent M "The State and the Sacred: Memory, Theology, and Identity in Kyrgyzstan." (Diener, 2016)


Liu, Weibo "Identification, Representation, and Analysis of Convective Storms." (Li, 2016)

Reiz, Nicole P "An Exploration in International Comparative Legal Geography: Military Status of Forces Agreements (SOFAs), Sexual Violence, and Jurisdiction." (O'Lear, 2016)

Trimbach, David J "Citizenship Capital & Political Power in Estonia." (O'Lear, 2016)

Weichelt, Katie L "A Historical Geography of the Paper Industry in the Wisconsin River Valley." (Shortridge, 2016)

Masters (Science):
Hubbard, Matthew F. "A Cartographic Depiction and Exploration of the Boy Scouts of America's Historical Membership Patterns." (Egbert, 2016)


Lobby, Samuel Y. "Fired Up: Scales of Safety and Federal Wildland Fire Management in the U.S." (O'Lear, 2016)


Shanko, Adam R. "Characterizing Woody Encroachment in the Konza Prairie Using Object-Based Analysis of Aerial Photographs." (Egbert, 2016)

Tappan, Taylor A. "A Cultural Historical Geography of Schools in the Honduran Musikta." (Herlihy, 2015)


Masters (Arts):
Andrzejewski, Kolbe D. "Historical Metamorphosis of the Arkansas River on the Kansas High Plains." (Johnson, 2015)

Bents, Timothy C. "Understanding the Physical Constraints of Soil Structure and Its Influence on Soil Hydraulic Properties." (Hirmas, 2015)

Chandler, Hannah E. "Microphysical Precursor Conditions Leading to Precipitation Initiation in Marine Stratocumulus." (Mechem, 2016)

Foga, Steven C. "Characterization of Ice Melange and its Implications to Terminus Stability at Helheim Glacier, Southeast Greenland." (Van der Veen, 2016)

Koop, Aaron N. "Pedostratigraphic Influence of Late-Quaternary Sediments and Paleosols on Headwall and Sidewall Canyon Morphology in the Airkaree breaks, Central Great Plains." (Hirmas, Johnson, 2016)


KENTUCKY

UNIVERSITY OF LOUISVILLE

Masters (Science):

Poindexter, Michael "Oil, Space, and National Imaginaries: Discursive Productions by Standard Oil New Jersey post WWIIL." (Walker, 2017)


Stone, JD "Colorectal Cancer FIT Screening in the HOPE VI Population of Jefferson County, Kentucky." (Hanchette, 2017)

WESTERN KENTUCKY UNIVERSITY

Masters (Science):
- Bodine, Tyler (2016) Reservoir Study and Facies Analysis of the Big Clifty Sandstone in South Central Kentucky (Advisor: Michael May).
- Erdem, Mustafa “A Spatial Analysis of Obesity and its Associations with Built and Natural Environment, Physical Inactivity, and Socioeconomic and Demographic Conditions in the United States of America.” (Lettier, 12/2015)
- Fu, Cong “Planning Towards Equal Spatial Accessibility of NCI Cancer Centers Across Geographic Areas and Demographic Groups in the U.S.” (F. Wang, 8/2015)
- Hotard, Corey David “Just Throw it in the Pot! The Cultural Geography of Hidden Landscapes and Masked Performances in South Louisiana Gumbo Cooking.” (Mathewson, 12/2015)
- Jia, Peng “Delineating Hospital Service Areas in Florida Based on Patients’ Travel Patterns.” (F. Wang, 12/2015)
- Pharr, Lauren “Using GPS Tracking and Long-Term Decomposition Studies to Investigate Vulture Scavenging and Flight Patterns in Relation to a Forensic Anthropology Facility in Texas.” (Lettier, 8/2015)
- Powell, Joseph “The Edible Landscape: Plant Breeding, Farming and Sustainability in Northwest Portugal.” (Mathewson 5/2016)
- Renken, Katherine “Investigations into Ecogeomorphodynamics of Coastal Embryo Dunes at Padre Island National Seashore, Texas.” (Namikas, 8/2015)
- Watkins, Case “An Afro-Brazilian Landscape: African Oil Palms and Socioecological Change in Bahia, Brazil.” (Sluyter, 12/2015)

LOUISIANA

Louisiana State University

PhDs:
- Cheetham, Louise Anthea “Curated Landscapes: The Evolution of the Postcard Shot.” (Colten, 12/2015)
- Erdem, Mustafa “A Spatial Analysis of Obesity and Its Associations with Built and Natural Environment, Physical Inactivity, and Socioeconomic and Demographic Conditions in the United States of America.” (Lettier, 12/2015)
- Fu, Cong “Planning Towards Equal Spatial Accessibility of NCI Cancer Centers Across Geographic Areas and Demographic Groups in the U.S.” (F. Wang, 8/2015)
- Hotard, Corey David “Just Throw it in the Pot! The Cultural Geography of Hidden Landscapes and Masked Performances in South Louisiana Gumbo Cooking.” (Mathewson, 12/2015)
- Jia, Peng “Delineating Hospital Service Areas in Florida Based on Patients’ Travel Patterns.” (F. Wang, 12/2015)
- Pharr, Lauren “Using GPS Tracking and Long-Term Decomposition Studies to Investigate Vulture Scavenging and Flight Patterns in Relation to a Forensic Anthropology Facility in Texas.” (Lettier, 8/2015)
- Powell, Joseph “The Edible Landscape: Plant Breeding, Farming and Sustainability in Northwest Portugal.” (Mathewson 5/2016)
- Renken, Katherine “Investigations into Ecogeomorphodynamics of Coastal Embryo Dunes at Padre Island National Seashore, Texas.” (Namikas, 8/2015)
- Watkins, Case “An Afro-Brazilian Landscape: African Oil Palms and Socioecological Change in Bahia, Brazil.” (Sluyter, 12/2015)

MASSACHUSETTS

Clark University

PhDs:
- Bravo Frey, Alicia Mireya “Bridging knowledges through institutions: The micropolitics of environmental governance in the Oxapampa-Adininka-Yanesha Biosphere Reserve.” (Bebbington, 2016)
- Cantor, Alida Anna "Dust Storms and Dying Lakes: Wastefulness, Reasonable and Beneficial Use, and Water Transfers in California.” (Emel, Rocheleau, 2016)
- Foo, Katherine Eleanor "Parks & Recreation Departments are not a Joke: Environmental Governance in the AGs of Post-Apocalyptic Climate Change.” (McCarthy, Bebbington, 2015)

Worms, Jamie “Mental Mapping the Transformation of Social Space in Rio’s Oldest Favela: Morro da Providencia.” (Sluyter, 8/2015)
Gallagher, Emily Jeanne "Ghana is cocal, Carbon is Ghana Sustaining Cocoa Landscapes and Governing Forest Livelihoods Through Agri-environmental Extension." (Rocheleau, 2015)

Jarvis, Daniel Steven "Disturbance History and Fuel Consequences of Mountain Pine Beetle in Western Colorado." (Kulakowski, 2015)

Johnson, Adrienne Eveline, "Participatory Governance, Plant Disease, and Post-Neoliberalism: Governing Ecuador’s Palm Oil Industry through the Roundtable on Sustainable Palm Oil (RSPO)." (Bebbington, 2015)


Knudson, Christopher Storr "Climate Risk Insurance in St. Lucia" (McCarthy, 2016)


Nguon, Pheakkdey "Governing REDD in Cambodia Co-production of salient, credible and legitimate policy knowledge." (Bebbington, 2016)

Petersen-Smith, Khury Joseph "Pivoting to Asia: Sovereignty, territory, and Militarization." (Davidson, 2016)

Shelton, John Taylor "Geographies of Data: Toward a Relational Socio-spatial Analysis of Geotagged Social Media Data." (Murphy, 2016)

Zhang, Yueming "Capitalizing on art, aestheticizing capital: The making and consuming of arts districts in Chinese Cities." (Martin, 2016)


Cantor, Alicia Anna, "Dust storms and drying lakes: Wastefulness, beneficial use, and water transfers in California." (Emel, Rocheleau, 2015)

Dammert Bello, Juan Luis "Struggles for the rainforest: the politics of oil palm expansion in the Peruvian Amazon." (Bebbington, 2015)


Farahani, Alireza Farmahini "Learning in development policy and practice: Inequity reduction and regional development in Iran." (Aoyama, 2016)

Gill, Nathan "Understanding and predicting current and future regeneration patterns following single and compounded disturbances in the subalpine forests of the Colorado Rockies." (Kulakowski, 2016)

Esfahani, Azadeh Hadizadeh "Neighborhood as a site of policy and activism: Exploring citizenship, belonging, and identity building in Tehran’s neighborhoods." (Martin, 2016)


Mietekiewicz, Nathan Paul "Interactions of bark beetle outbreak and fire in subalpine forests of the intermountain United States under a changing climate." (Kulakowski, 2015)


York, Ashley Victoria "Ice-ocean-atmosphere trends and linkages to glacier variability, West Greenland." (Frey, 2016)

MICHIGAN STATE UNIVERSITY

PhDs:

Adams, Ellis "Decentralization, Institutions, and Access to Potable Water in Malawi’s Urban and Peri-Urban Informal Settlements." (Leo Zulu, 2016)


Johnson, Laura Bowen “Toward a Relational Agro-Food System: The Case of the Blue Ridge Women in Agriculture High Country Farm Tour.” (Gary Schnakenberg, 2016)

Koh, Keumseok "Geographic Impacts of Federally Funded State-based Obesity Programs on Adult Obesity Prevalence in the United States.” (Sue Grady, 2016)


Santuly, Carolina "Complex Land Use and Cover Trajectories in the northern Chocó bioregion of Colombia.” (Joseph Messina, 2015)

Wu, Ruqun, “The Influences of Green Building Design on Building Users.” (Jiquan Chen, 2016)

Masters (Science):

Apps, Deanna "An Analysis of the Soil Moisture-Precipitation Relationship across the Continental United States.” (Lifeng Luo, 2016)

Michalek, Michael "Historic Channel Changes in the Muskegon River, North-Central Michigan, USA.” (Alan Arbogast, 2015)

Molen, Nicholas “A Method for Employing Qualitative Data in the Development of Spatial Agent-Based Models.” (Arika Ligmann-Zielinska, 2016)

Rill, Lydia “Climatology of Springtime Freeze Events in the Great Lakes Region and their Impact on Tart Cherry Yields in Historical and Projected Future Time Frames.” (Jeffrey Andresen, 2016)

Smith, Nicole “Identifying the Best Local-scale Prediction Maps for Dynamic Landscape Patterns of Aquatic Habitats of Anopheline Larvae in Western Lowland Kenya.” (Joseph Messina, 2016)


WESTERN MICHIGAN UNIVERSITY

Masters (Science):

Aardem, Curtis "Residential Property Values and Historic Districts: A Kalamazoo Case Study." (Veeck, 2015)

Chapman, Keith “A Location Allocation Model for Retention Basin Placement on Vacant Land in Detroit, MI.” (Lemberg, 2016)

Ebbenstein, Alexander “Using an Interactive Mobile Applicatoin to Crowdsourced Data Collection for Management Issues in Asylum Lake Presere, Kalamazoo, MI.” (Lemberg, 2015)


Hillmeyer, Katelynn Deann “An Intra-Site Spatial Analysis of Ft St. Joseph (20BE2) in Niles, MI.” (Baker, 2016)

Merrill, Zachary “The Perceptions of Michigan Hunters Regarding Wolves (Canis Lupus) and the Idea of a Wolf-Hunt as a Management Option.” (DeChano, 2016)

Moharter, Katy “A Geographic Distribution Analysis and Examination of Social-Psychological Factors and their Impact on Death Penalty Support in the United States.” (DeChano, 2016)


Owusu, Cladio “Targeting Interventions to Reduce Chlamydia Related Disparities in Kalamazoo County using GIS and Statistical Analysis.” (Baker, 2016)


Sataer, Guzhaliayi “Spatial Patterns of Drought Persistence in Xinjiang (A.R), China.” (Meng, 2015)

Stewart, Cheyenne India “Spatial, Temporal Variability and Trends within the Tributaries of the Huron River: Effects on the Frequency of Flooding” (Zhu, 2016)

MINNESOTA

ST. CLOUD STATE UNIVERSITY

Masters (Science):
Paudel, Karuna “Pleistocene-Holocene Variation of Vegetation Pattern in Upper Great Lakes Region.” (Mikhail Blinnikov, 2016)

UNIVERSITY OF MINNESOTA, TWIN CITIES

PhDs:
Bonsal, Dudley “Local in space and time: Acoustic environmental policy in Minnesota and a fine-scale spatiotemporal representation of aircraft noise impact on residential life.” (Manson, 2016)

Butcher, Sian “Infrastructure of Property and Debt: making affordable housing, race and place in Johannesburg.” (Sheppard, 2016)


Lindeke, William “In Search of New Riders: Affective Exclusions and Bicycle Planning in Minneapolis/Saint Paul.” (Saldanha, 2015)

Masters (Arts):
Arya, Vishrut, Plan B. (Gidwani, V., 2016)
DeLuca, Eric, Plan B. (Samatar, A., 2015)

Masters (Geographic Information Science):
Anderson, Colleen “Professional GIS portfolio.” (McMaster, 2016)
Clementz, Michael “Professional GIS portfolio.” (Lindberg, 2016)
Ding, Yiren “Professional GIS portfolio.” (McMaster, 2015)
Eglington, Andrea “Professional GIS portfolio.” (Kne, 2016)
Heins, Daniel “Professional GIS portfolio.” (Knight, 2016)
Hill, David “Professional GIS portfolio.” (McMaster, 2015)
Hinojosa, Geovanna “Professional GIS portfolio.” (Jenks, 2016)
Marklevits, Katrina “Professional GIS portfolio.” (McMaster, 2016)
McFarlane, Maureen “Professional GIS portfolio.” (McMaster, 2016)
Nelson, Andrew “Professional GIS portfolio.” (McMaster, 2015)
Paddock, Paul “Professional GIS portfolio.” (McMaster, 2015)
Peyton, Stephen “Professional GIS portfolio.” (Kne, 2016)
Piernot, Devon “Professional GIS portfolio.” (Kne, 2016)
Reinke, Jennifer “Professional GIS portfolio.” (McMaster, 2015)
NEW JERSEY

RUTGERS UNIVERSITY

PhDs:
Venkatasubramanian, Kalpana "Vulnerably resilient: opportunities and challenges for enhancing the resilience of Jamaican smallholder farmers to climate change" (Birkenholtz, 2016)

NEW YORK

CITY UNIVERSITY OF NEW YORK, LEHMAN COLLEGE

Masters (Science):
Anastasia Clarke
Justin Czarka
Lina ElSayed
Kashmala Ikram
Zakkiyyah Shah
Dawn Xavier

THE STATE UNIVERSITY OF NEW YORK AT BUFFALO

PhDs:
Felski, Elizabeth "IFRS Diffusion and Adoption Patterns." (Hamilton, 2015)
Gao, Peng "Structural Properties of Contact Networks and the Implications for Mitigating the Dispersion of Communicable Diseases." (Bian, 2016)
Habberfield, Michael “Functional Connectivity for Wildlife Populations Across Spatially Complex Landscapes." (Larsen, 2016)
Lewis, Tonya “State Environmental Justice Policies: A Synegistic Analysis of Space, the Environment, and the Law.” (Bennett, 2015)
Rios, J. Fernando “A New Combined Uncertainty and Sensitivity Assessment of Spatial Models with Object-Based Features.” (Renschler, 2015)
Savoy, Philip “Modeling the Seasonal Course of Canopy Dynamics: Incorporating Physiology into Phenological Models.” (Mackay, 2016)

Masters (Arts):
Aref, Renad “Comparison of Language Tag Distribution in the Contested Virtual Space of Jerusalem: A Case Study of OpenStreetMap." (Stephens, 2016)
Brown, Kathryn “Investigating the Death of a River Identifying correlations between Channel Processes and state of Channel Decline.” (Mackay, 2015)
Chapman, Shana “Comparison of Side Scan Sonar Substrate Classification Methods to Assess Accuracy." (Mackay, 2015)
Dong, Weichuan “A Network Study; Examine Relationship Between Nonprofit Organizations considering Board Member Affiliations.” (Bittner, 2015)
Khahaifa, Naiima “Possibilities and Limitations of Strengthening Small Farmer Food Production in the Caribbean Through Value Chain Integration with Tourism." (Werner, 2016)
Li, Guyue “Using the Spatial Scan Statistic to Detect Age Differences of Dengue Cases in Mueang District, Kamphaeng Phet Thailand.” (Aldstadt, 2015)
Liu, Jia “Detecting and Predicting Spatial Patterns of Crime in Buffalo, NY.” (Bittne, 2015)
Trgovac, Andrew “Geographic Variation in Male Suicide Rates in the United States.” (Bagchi-Sen, 2015)
Yang, Yi “An Ontology for Tracking Historical Administrative Division Change- Using Seoul as Case Study.” (Bittner, 2015)

Masters (Science):
Chen, Xiao “Parcel-Based Urban Land Use Classification in the City of Buffalo.” (Wang, 2015)
Cheng, Dan “Spatial and Temporal Analysis of Breast Cancer and Potential Exposures in Marin County, California.” (Jacquez, 2015)
Cui, Kejin “An Agent-Based Modeling Method in Simulating Land Use Change.” (Bittner, 2016)
DeMarchi, Alayna “Predictive Modeling of Beach Closure due to High E. Coli Levels at Evans Town Beach in Erie County, NY.” (Bennett, 2015)
Fu, Sirui “The Influences of Different Spatial Weights Matrices on Moran’s/and Geary’s C Statistic.” (Rogerson, 2016)
Guo, Jingran “Spatial Analysis of Asthma in New York State with Air Pollution and Socioeconomic Factors.” (Jacquez, 2015)
Li, Nan “Information Diffusion Patters on Weibo.” (Bian, 2016)
Li, Yang “Spatial-Temporal Analysis of State-Level Adult Diabetes Prevalence and Associated Risk Factors in the Contiguous USA.” (Rogerson, 2015)
Liu, Renjie “Spatial Patterns of Social Network Centralities-A Case Study of Check-In Data of Northeastern United States.” (Bian, 2015)
Luo, Yue “Spatial and Temporal Analysis of PM2.5 Distribution in Beijing.” (Yoo, 2015)
Park, Jae Young “Assessing the Effects of Soil Distribution on Flood Modeling using a Combination of a Hydrologic and a Hydraulic Model.” (Renschler, 2015)
Purpura, Christine “Assessing Changes in Forest Composition Between 1800 and 2000 AD through a Resurvey of Lines from the Original Land Survey of Western New York.” (Larsen, 2015)
Qing, Jian “Constructing Areas for Health Issues- A Case Study: Diabetes in NY State, 2011.” (Bittern, 2016)
Scott-Killian, Tobias “Examining the Spatial Data Potential of Individualized Internet Marketing.” (Metcalf, 2015)
Shao, Yixuan “Space-Time Cluster Analysis of Lightning Distribution in West Pearl River Delta, China.” (Jaqec, 2015)
Wang, Siyuan “Modeling the Effects of Road Pricing on Traffic Congestion using Dynamic Travel Demand.” (Metcalf, 2015)
Wang, Xuan “Analysis of Weibo Users and Factors of Use.” (Rogerson, 2016)
Wei, Xinyuan “Using Forest Fire Simulations to Assess the Number of Time-Since-Last-Fire Sample Points Required to Reliably Estimate the Fire Cycle.” (Larsen, 2015)
Yasumiishi, Misa “Spatial and Temporal Analysis of Human Movements and Applications for Disaster Response Management: Using Cell Phone Data.” (Renschler, 2015)
Yu, Haojiang “Space-Time Cluster Analysis of Foot-and-Mouth Disease in South Korea.” (Yoo, 2015)
Yuan, Jiangchen “Geospatial Analysis Methods for Communicable Diseases - A Case Study of H1N1 Influenza Pandemic in the United States.” (Jacquez, 2015)
Zhou, Yueheng “Scientific Collaboration Network in Doctoral Committees: A Case Study of a Doctoral Committee Network in the Department of Geography at the University at Buffalo.” (Bian, 2015)

Masters (GIS):
Du, Tianyi “Investigating the Leading Risks influencing the incidence and mortality rates of lung cancer in the State of Kentucky.” (Larsen, 2016)

Other (Trade MA):
Tompkins, Brian M. “Agricultural Trade between Developed and Developing Countries in Bilateral Trade Agreements.” (Hamilton, 2015)
Yao, Hengyuan “Comparison of US China IPR Disputes between 1989 to 2009, Prior and following China's accession to WTO.” (Poon, 2016)

Syracuse University

PhDs:
Camargo Alvarado, Fabio Alejandro “Disastrous Waters, Renascent Lands: Politics And Agrarian Transformations In Post-Disaster Colombia.” (Thomas Perreault, April 2016)
Mitchell-Eaton, Emily “NewDestinations of Empire: Imperial Migration from the Marshall Islands to Northwest Arkansas.” (Jamie Winders, August 2016)
Ritz, Thor “Marronage Unbound: Colonial Governance and Marron.” (Jamie Winders, December 2015)

Masters (Arts):
Carlson, Kelsey “We'd Always Return To This Center: Understanding Urban Space As A Dakota Place In Mni Sota Makoke.” (Don Mitchell, November 2015)

Vassar College

Other:
“Making Sustainability a Par of Campus Culture: An Analysis of Social Movements through a Case Study of Vassar College Sustainability.”
“Striking Back: Combating Predatory Equity and Promoting Affordable Housing in New York City.”
“Interrogating the Gayborhood.”
“Re-Pathologizing Queerness: The Digitization of Lesbian Space and the Production of Respectability within Lesbian Dating App, ‘Her’.”
“A Path Cut By Water: The Making of the Cochabamba Water War Through Internationalization, Postcolonialism and Decoloniality.”
“The Impact of Environmental Regulations on the West Virginia Coal Economy: Assessing the ‘Coal Means Jobs’ Mantra and the Prospect of Deregulation.”
“Food Injustice in Poughkeepsie: The Creation of and Challenges to Oppressive Food Structures.”

North Carolina

East Carolina University

Masters (Science):
Heath, Jamie "Local Implementation of the State Wildlife Action Plan in Coastal North Carolina." (Dr. Traci Birch, 2015)
Kirk, Donnie "Analysis of Sediment Erosion and Deposition Across High Marsh and Tide Channel Sites in Wellfleet, Massachusetts." (Dr. Paul Gares, 2016)
Luchetti, Nick "Climate Change and the Sea Breeze in the North Carolina Coast." (Dr. Rosana Ferreira, 2016)
Van Horn, Jessy “Lateral Stream Migration Rates in the Blue River Watershed, Wisconsin.” (Dr. Scott Lecce, 2016)

University of North Carolina, Chapel Hill

PhDs:
Courtheyn, Christopher “Memory is the strength of our resistance”: A performance geography of peace, memory, territory, and politics in the San Jose Peace Community, Colombia.” (Cravey, 2016)
Dimpfl, Michael “Clean U: Cleanliness, Social Difference and the Dirty Work of Everyday Hygiene.” (Smith, Gokari, 2016)
Gergan, Mabel “Pecarity and possibility at the Margins: Hazards, Infrastructure, and indigenous politics in Sikkim, India.” (Smith, 2016)
Larson, Stephen “The Fractured Values of Best Interests: Struggles and Spaces of Transnational Adoption.” (Pickles, 2016)

Masters (Arts):
Hopping, Douglas “Gender Differences and Migrant Networks among Temporary and Permanent Migrants in China.” (Gray, 2016)
Scaife, Charles “Dynamic Threshold Relations of Stormflow Runoff in Humid Headwater Catchments of the Coweeta Hydologic Laboratory.” (Band, 2015)

UNIVERSITY OF NORTH CAROLINA, CHARLOTTE

PhDs:
Schuch, Johanna “Claire”, “Socio-spatial Geographies of Hispanic Immigrant Youth Accessing th Urban Labor Market.” (Heather Smith 2016)
Venkitasubramanian, Kailas, “Discovering Relationships between Material Consumption and Subjective Well-Being.” (Jean-Claude Thill 2015)

Masters (Arts):
Baber, Matthew “Urban Heat Island Effects on Anuran Breeding Activity in the Charlotte Metropolitan Region.” (Gagne, 2016)
Desjardins, Michael “Modeling Compactness in Reserve Design with Backup Requirements.” (Delmelle, 2016)
Gerney, Brian “Tech Cluster Development in Peripheral Regions.” (Graves, 2016)
Goldberg, Jack “Terminal Shopping: Place Displayed in United States Airport Concessions.”(Campbell, 2015)
Jia, Meijuana “Spatiotemporal Sensitivity Analysis of an Agent-Based Model of Artificial Anasazi.” (Tang, 2016)
Martin, Miriam “Modeling Spatial Attractiveness in North Carolina Wine Tourism.” (Delmelle, 2016)

Masters (Science):
Boucher, Adrienne “The Effects of Urban Heat Island and Local Habitat Quality on Anurans In Remnant and Stormwater Control Ponds.” (Gagne, 2016)
Dash, Lopita “Temperature, Strain and Acoustic Emission Monitoring of a Natural Boulder Exposed to the Sun.” (Eppes, 2015)
Shoffner, Alexandra “The Relative Impacts of Habitat Amount, Habitat Configuration, and Urbanization on Forest Breeding Birds.” (Gagne, 2016)

UNIVERSITY OF NORTH CAROLINA, GREENSBORO

PhDs:
Fannon, Brian “Effects of the Reintroduction of Castor Canadensis to North Carolina” (Phillip D. Royall, 2015)
Sloop, Joseph ”Going Against the Grain: Development of the S. American Furniture Industry”. (Keith Debbage, 2016)

Masters (Arts):
Coolbaugh, Dylan ”Evaluation of Transit- Oriented Development (TOD): A Comprehensive Approach.” (Selima Sultana, 2016)
Reynolds, Jennifer “Morphological Response to Reduced Discharge on a Losing Catawba River Bifurcate.” (Phillip D. Royall, 2016)

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

Masters (Arts):
Preilp, Danielle (Wang, 2016)

Masters (Science):
Burke, Morgen ”Shelterbelt density dynamics and their driving forces in Grand Forks County, North Dakota, 1962 to 2014.” (Rundquist, 2016)

OHIO

KENT STATE

PhDs:
Ballinger, Thomas: A Synoptic Climatological Assessment of the Relationship between Arctic Sea Ice Variability and Climate Anomalies over North America (Sheridan, 2015)
Phillips, Melissa: Lightning and hurricane safety knowledge and the effects of education modes on elementary school children (Schmidlin, 2015)

Masters (Arts):
Chen, Zhao: Information Diffusion on Online Social Networks: An Experiment of Agent-Based Modeling An Agent-Based Model for Information Diffusion Over Online Social Networks (J Lee, 2016)
Hannum, Kathryn: Sociolinguistic Geographies in Galicia, Spain (Kaplan, 2016)
Hornyk, Megan: Education Quality And The Community: A Geographic And Policy Analysis Of A Rust Belt City’s Schools (Kaplan, 2016)
Rhodes, Mark: They Feel me a Part of that Land: Welsh Memorial Landscapes of Paul Robeson (Post, 2015)
Sirik, Savina: Everyday Experiences Of Genocide Survivors In Landscapes Of Violence In Cambodia (Tyner, 2015)
Stubbs, Glenn: Remembering a Workplace Disaster: Different Landscapes-Different Narratives? (Post, 2015)
MIAMI UNIVERSITY OF OHIO

Masters (Arts):
Chbeir, Carl "The Geography of Remittances: A Case study of Lebanese Americans in Cleveland" (Ian Yebobo, May 2016)
Lu, Xi "A Geographic Analysis of the Vulnerabilities and Coping Strategies of Tibetan Herders in Gansu, China" (Stan Toops, August 2016)
Sheehan, Meghan "Determining Drivers for Widespread (Connocochaetes Taurinus) Distribution in the Masai Mara National Reserve and Surrounding Group Ranches" (John Maingi, January 2016)
Sukarayvichute, Elina "Transit Planning, Access, and Social Justice: Competing Visions of Bus Rapid Transit and the Chicago Street" (David Prytherch, August 2016)

Masters (Science):
Bottone, Ethan "The Historical Production of Landscape in Perry County, Ohio: National Discourses Materialized" (Dr. Timothy Anderson)
Dusselier, Hallie "Understanding 20th Century Antarctic Pressure Variability and Change in Multiple Climate Model Simulations" (Dr. Ryan Fogt, 2016)

OHIO STATE UNIVERSITY

PhDs:
Hartmann, Chris "Postneoliberal public health, environment, and development in Nicaragua and Latin America." (Mansfield, 2016)
Kim, Hyeyeong "The Role of Pastoralist Mobility in Foot-and-Mouth Disease Transmission in The Far North Region of Cameroon." (Xiao, 2016)
Kocher, Austin "Notice to Appear: Immigration Courts and the Legal Production of Illegal Immigrants." (Coleman, 2017)
Mauk-Johnson, Rachel "Prediction of Intensity Change Subsequent to Concentric Eyewall Events." (Hobgood, 2016)
Pearson, Zoe "Coca Si, Cocaña No? The Intimate Politics of International Drug Control Policy and Reform in Bolivia." (McSweeney, 2016)
Tribby, Calvin "Activity Spaces, Route Choices, and Neighborhoods: Assessing the Built Environment Associations with Walking Trips." (Miller, 2016)
Zhao, Yuxi "Entrepreneurship and commodified nature: amenity-led transitions in forested communities." (Munroe, 2016)

Masters (Arts):
Bailey, Emelie "Healthcare access under health system decentralization in Honduras: A mixed methods study." (Root, 2016)

Masters (Science):
Feliciano-Camacho, Christian "The Impact of Dry Air on the Location of Tornado Outbreaks Associated with Landfalling Tropical Cyclones in the Atlantic Basin." (Hobgood, 2016)

OHIO UNIVERSITY

Masters (Arts):
Karl, Briana "Navigating the Unknown: Immigrant’s Maternal Experiences in Southeast Ohio" (Dr. Edna Wangui, 2016)
Merkle, Katlyn "'Here We Are: Exploring the Lived Experiences of Pregnant Graduate Students within Neoliberal Universities" (Dr. Risa Whitson, 2016)
Sympon, Megan "Circle Letters, Produce Auctions and Softball Games: Investigating the Internal Dynamics of the Older Order Migration Process" (Dr. Timothy Anderson)

Masters (Science):
Bottone, Ethan "The Historical Production of Landscape in Perry County, Ohio: National Discourses Materialized" (Dr. Timothy Anderson)
Dusselier, Hallie "Understanding 20th Century Antarctic Pressure Variability and Change in Multiple Climate Model Simulations" (Dr. Ryan Fogt, 2016)

UNIVERSITY OF TOLEDO

PhDs:
Li, Xi "Use of LiDAR in Object-based Classification to Characterize Brownfields to Green Space Conversion in Toledo." (Czajkowski, 2017)
Pepe, Linda "Optimally Locating Level 1 Trauma Centers and Aeromedical Depots for Rural Regions of the State of Ohio." (Lindquist, 2017)

Masters (Arts):
Akter, Taslima "Travel Behavior of a Mid-West College Community: A Case Study of the University of Toledo." (Alam, 2016)
Dindyal, Roger "The Voice of Urban Planning: Recent Revitalization Efforts in Downtown Toledo." (Shetty, 2016)
Panizzo, Kimberly "A Validation of NASC Crop Data Layer in the Maumee River Watershed." (Czajkowski, 2016)
Rowand, K. A. "Spatial Patterns of Deer Roadkill in Lucas County, Ohio." (Schlemper, 2016)

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

PhDs:
Payne, Adam "Business Improvement Districts in Oklahoma City: Gentrification, Commodification, Place Promotion, and Crime" (Alyson Greiner, 2015)

Masters (Science):
Bode, Carson "Spatial Clustering of False Ring Events in J. Virginiana of the Oklahoma Crosstimbers." (Carlos Cordova, 2015)
Brasher, Jordan "The Langston City Herald: Promoting Race and Place in an Historic Frontier Utopia." (Brad Bays, 2016)
Gilson, Brian "Ethno-Symbolism and Government Discourse in Azerbaijan." (Reuel Hanks, 2016)
Thomas, Sean "Monumental Discourse: The Narratives on Display in the Museums at Stone Mountain Park, Georgia." (Alyson Greiner, 2016)
OREGON STATE UNIVERSITY

PhDs:
Savotkina, Alexandra "Nuclear Power Plant Siting in the Columbia River Basin: Current Trends, Effects on Climate Change, and Associated Uncertainties." (Jones, 2016)


Masters (Science):
Arnold, Nicholas "Automation and Evaluation of Graduated Dot Maps" (Jenny, 2016)

Darbyshire, Jane "Natural-Color Maps via Automated Coloring of Bivariate Grid Data." (Jenny, 2016)

Leydet, David "Eastward Routing of Glacial Lake Agassiz Runoff Caused the Younger Dryas Cold Event." (Carlson, 2016)

UNIVERSITY OF OREGON

PhDs:
Goswami, Swagata "Geomorphology, Hydrology and Human-Environment Interactions of the Megafans in the Gangetic Plains, India." (Marcus, 2016)


Lu, Graciela Mercedes "'Meche' Struggles over Governance of Oil and Gas Projects in the Peruvian Amazon." (Hindery, 2016)

Perdue, Nicolas "Cognitive Agents and Pedestrian-Oriented Redevelopment." (Lobben 2016)

Ptak, Thomas "Understanding Hydropower in China: Balancing Energy Security, Development and Environmental Sustainability in the Nu River Valley of Yunnan Province." (Su, 2016)

Masters (Arts):
Bollinger, Jewell "Greening the Gulag: Politics of Sustainability in Prison." (Cohen, 2016)

Morse, Adam C. "From Guantanamo Bay to Pelican Bay: Hunger Striking and the Biopolitical Geographies of Resistance." (Cohen, 2016)

Masters (Science):
Appleby, Christina "Modeling Restoration of the Lower Long Tom River, Oregon." (Patricia McDowell 2016)

Bard, Joseph "Finding High Ground: Simulating an Evacuation in a Lahar Risk Zone." (Christopher Bone 2016)

Grunmon, Christine A. "Examining the Role of Collaborative Governance in Fostering Adaptive Capacity: A Case Study form Northwest Colorado." (Christopher Bone 2016)

Johnson, Geoffrey "A Sediment-Derived Environmental History of Water Quality, Coos Bay Estuary, Oregon Coast Range." (Daniel Gavin 2016)

Omri, Rudy "Every Tweet Counts: Examining Spatial Variability of Twitter Data Representativeness." (Amy Lobben 2016)

Proctor, Sarah "Fluvial Biogeomorphic Evolution of the Upper South Fork Toltle River, Washington, after the 1980 Eruption of Mount Saint Helens." (Mark Fonstad 2016)

Shintani, Christina "Comparing Photogrammetric and Spectral Depth Techniques in Extracting Bathymetric Data from a Gravel-Bed River." (Mark Fonstad 2016)

OREGON

PHD:

Frey, Nathan: "Hazards, Landscape, and Place: Staten Island and Hurricane Sandy."

Isaacs, Rachel: "Climate change and the biophysical landscape: the influence of top-down and bottom-up controls on spatiotemporal patterns of forest expansion and tree growth in Denali National Park and Preserve, Alaska."

Koby, Peter: "Digital Visualization of Colonial Cartography: Patterns of Wealth in the Sugar Colony of Barbados."

Young, Amanda: "High Elevation Deciduous Forest Structure: A Test Of William Bond's 'Slow Seedling Hypothesis'."

Masters (Science):
Masters papers by online students:

PhDs:

OREGON STATE UNIVERSITY

Masters papers by residential students:

Pennsylvania State University

PhDs:

Bollinger, Jewell: "Greening the Gulag: Politics of Sustainability in Prison."

Dennison, Deborah: "Contribution of Normalized Digital Surface Models used in Automatic Building Extraction."

Didier, Patrick: "Sample Density Analysis and Optimization for NOAA’s Airborne Snow Water Equivalent Surveys."

Dunham, Jeffrey: "Utility Asset Management in 10 Steps: A GISer."

Ferdinando, Joseph: "Virtual Reality for Interplanetary Spatial Exploration."

Frad, Wayne: "Environmental and Spatial Determinants of Lyme disease."

Gast, Laura: "Transforming Citizen Science into Informative Range Maps."

Gilbert, Steven: "Drought and Climate Change in Jordan."


Helms, Justin: "Georeferencing Pictorial St. Louis 1875: A new perspective for a contemporary map."

Hughes, Jamie: "Septic Tank Conversion Prioritization using GIS in the Wakulla Springs Springshed."


Klaube, Christopher: "Development of an Address Point Editing Application for Local Governments & Public Safety Answering Points."

Ligon, Ruthann: "Christine Dorn Geo-Enabling Mountain Bike Trail Maintenance with VGI: GIS Applications for the Fountainhead Mountain Bike Trail."


Miller, Jonas: "User-Defined Layer Selection and Weighting for Initial Emergency Response Risk Mapping."
Pritchard, John “Integrating Social Vulnerability and Flood Safety Modeling.”

Powers, Jalayne “Characterization of Depleted Uranium at Nellis Training and Test Range Target.”


Shahriari, Mehdi “Quantifying Uncertainty of Wind Power Production Through an Analog Ensemble.”

Siders, David “Modeling the Impact of Climate Change on the Environmental Suitability for Zika Virus Transmission in the Continental United States.”

Stangl, Andrew “Analysis Dialogue Session at NGA Campus East (NCE)”.

Wanner, Nathaniel “Background Concentrations of Arsenic in Ohio Soils: Sources and Influencing Factors.”

Ward, Bridget “An Evaluation of Multiple-Criteria Decision Making with GIS: The ‘DC2RVA’.”

Wildlund, Heather “Automating Regional Data Integration for Emergency Services with Python.”

Winkler, Robert “Drawing Legislative Districts to Achieve Partisan Symmetry While Respecting Territorial Communities.”

Wirth, Troy “Classification of Riparian Buffers in Oregon Using Several Object Based Image Analysis Platforms.”

TEMPLE UNIVERSITY

PhDs:

Brown, Corita “Other People’s Children: How Race, Social Networks, and Spatial Context Influence Older Adults Attitudes about School Funding.” (Carolyn Adams, 2016)

Dunham, Ian “Street Credit: Neighborhood Level Predictors of Financial Inclusion in Four U.S. Metropolitan Areas.” (Michele Musacci, 2015)


Guerrier Alcidonis, Sendy “The social networks of Haitian Immigrants Employed in the Long-term Care Industry in Metropolitan Philadelphia: Complex Intersections of Race, Nationality, Class and Gender.” (Melissa Gilbert, 2016)

Hammelman, Colleen “Connecting for survival: Understanding the spatial implications of migrant women’s food insecurity coping strategies in Medellin, Colombia, and Washington, DC.” (Allison Hayes-Conroy, 2016)


Masters (Arts):

Fritz, Caleb
Freyman, Neal
McDermott, Bob
Przybylek, Christian
Van Leuven, Andrew

Masters (Professional Science):

Wiese, Daniel

WEST CHESTER UNIVERSITY

Masters (Arts):

Apakian, Lauren “Assessing changes in Salt Pannes in Coastal Wetlands in New Jersey” (Joy Fritschle, 2017)

Marciniak, Josh “Towards GIS-Based Dune Vulnerability Analysis: An Example from Cape May, New Jersey.” (Gary Coutu, 2017)
TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

PhDs:
Ballard, Joanne Patricia "Evidence of Late Quaternary Fires from Charcoal and Siliceous Aggregates in Lake Sediments in the Eastern U.S.A." (Horn, 2015)
Cook, Matthew Russell "A Critical Historical Geography of Slavery in the American South." (Alderman, 2016)
Li, Yanan "Timing and Extent of the Little Ice Age Glacial Advances in the Eastern Tian Shan, China." (Li, 2015)
Xu, Yang "Mobility and Activity Space: Understanding Human Dynamics From Mobile Phone Location Data." (Shaw, 2015)
Ye, Huaien "Geography of Health Care Access: Measurement, Analysis and Integration." (Kim, 2016)
Zhao, Ziliang "Cell Towers as Urban Sensors: Understanding the Strengths and Limitations of Mobile Phone Location Data." (Shaw, 2015)

Masters (Science):
Bleaney, Sarah Ann "Trends in Lifetime Maximum Intensity of North Atlantic Tropical Cyclones." (Ellis, 2016)
Brown, Vincent Marshall "Tennessee Tornado Frequency, Vulnerability and Relation to Large-Scale Climate Variability." (Ellis, 2016)
Markley, Scott Nyland "Pre-and Post-Crisis Geographies of New Urbanism in Atlanta’s Inner Suburbs." (Sharma, 2016)
McNelis, John "Quantifying Gully Erosion in West Tennessee Using High Resolution LIDAR Data." (Li, 2016)
Schmidt, Erik Herman "Classifying Nominal Voltage of Electric Power Transmission Lines Using Remotely-Sensed Data." (Bhadril, 2016)
Taylor, Robert Dale "Supply Chain-based Federal FuelTax Evasion Within the Space-time Envelope." (Kim, 2016)

TEXAS

TEXAS A&M UNIVERSITY

PhDs:
Bowlick, Forrest "Education on the GIS Frontier: CyberGIS and Its Components." (Sarah W. Bednarz, 2016)
Johnson, Jeremy "Mountain Hemlock Landscape Genetics on the Kenai Peninsula, Alaska." (David Cairns, 2016)
Jossin, Audrey "Labor and Territory in Payments for Ecosystem Services in Ecuador’s Andes." (Wendy Jepson, 2015)
Lee, Heather "Access Regimes and Irrigation Technology: Where Does the Water Soft Path fo Agriculture Lead?" (Wendy Jepson, 2016)
Nam, Sou Yeon "Toward NICs Political Ecology: Territorialization, Scale, and Landscape on the Jeju Olle Trail, South Korea." (Kathleen O’Reilly, 2016)

Yuan, Shanshui "Assessment of Multiple Approaches fo Using Soil Moisture to Evaluate Drought in the U.S. Great Plains." (Steven Quiring, 2016)

Masters (Science):
Bruno, Tianna "Market Environmental Justice." (Wendy Jepson, 2016)
Denman, Michael "Lightning Ignited Fires in the Grandfather Ranger District, North Carolina." (Charles Lafon, 2016)
Dong, Xian, Non-Thesis, (Andrew Klein, 2016)
Murphy, Trey "It All Depends on the Pice of Oil!": Eagle Fod Shale Economic Development Outcomes. (Christian Brannstrom, 2016)
Tilton, Mary "Using GIS to Estimate the Spatial Distribution of Wind Power Royalties in West Texas." (Andrew Klein, 2015)
You, Mingde "Multi-Temporal Remote-Sensing-Based Mapping and Characterization of Landscape Evolution of a Meandering River Floodplain." (Tony Filippi, 2016)

TEXAS STATE UNIVERSITY

PhDs:
Farano, Christa "An Analysis of Travel Efficiency within the Context of Geographic Education and the Daily Trip Plan." (Boehm, 2015)
Gong, Xi "Exploring Associations between Environmental Risk Factors and Low Birth Weight Using Geographic Big Data." (Zhan, 2015)
Pickett, Jackson "Investigation of Gender and Race Effects on promotion in Departments of Geography in the United States." (Lu, 2015)

Masters (Science):
Abbott, Samantha "Cross-scale interactions between land cover/land use, climate, and river water quality: A case study of the Manawatu River catchment, New Zealand." (Julian, 2016)
Anzah, Faisal "Detecting the Shoreline Change of Qaruh Island, Kuwait, Using Remote Sensing & GIS." (Butler, 2016)
Bakiera, Adam "Spatial Analysis of Traffic Congestion and Transit Accessibility in Austin, Texas." (Weaver, 2016)
Cascante Campos, Jose Alejandro "Relationships between the conceptions of geography and geospatial thinking of pre-service social studies teachers and geography students in Costa Rican public universities." (Muniz, 2016)
Heinemann, Matthew "Human Landscape Assessment for Informing Conservation Delivery Prime Prospect Analysis for the Oaks and Prairies Joint Venture." (Julian, 2016)
Le Noc, Mael "Spatio-temporal patterns of family deportation during the Holocaust in Italy." (Giordano, 2016)
Legg, Brittany "Rock glacier morphology and morphometry in Glacier National Park, Montana." (Butler, 2016)
Roberts, Ethan "uAS-SFM based remote sensing of rangeland vegetation in central Texas: OBIA segmentation, classification, and structural modeling of prickly pear cacti using photogrammetric point-clouds." (Jensen, 2016)
Szpakowski, David "Estimating Aboveground Biomass of Pasture Environments Using Structures from Motion." (Jensen, 2016)
Other: Master of Applied Geography - M.A.Geo:


McBroom, Emily “Mobility and long-term employment of farm workers: Analysis of demographics, policy, and drought in California.” (Blue, 2016)

Melancon, David “How Does the Price of Oil Affect Where Oil Producers Drill.” (Zhao, 2015)

Onley, Katy “Coastal Vulnerability Assessment of Galveston Island to sea-level rise.” (Dixon, 2015)

Ponder, Matthew “Land Cover Change in the Eagle Ford Shale.” (Curtin, 2016)

Rogers, Charles “Siting Urban Agriculture as a Green Infrastructure Strategy for Land Use Planning in Austin, TX.” (Hiner, 2016)

Rosa, Gabriele “Tamed Fungus: A colorful history of black truffles in Perigord, France.” (Hiner, 2016)

Rowe, Lauren “Texas Women in Conservation and Social Reform during the Progressive Era.” (Blanchard, 2016)

Strickland, Colin “Golden-Cheeked Warbler Habitat Selection in a Fragmented Landscape.” (Metzien, 2016)

Zell, Zoe “Using Driver's License Data to Examine Obesity and its Relationship with Access to Green Space in Central Texas.” (Lu, 2016)

UNIVERSITY OF NORTH TEXAS

Masters (Science):
Desai, Khyati “Influence of the choice of disease mapping method on population characteristics in areas of high disease burden.”

Eddins, Amy “The influence of local forage variability on white-tailed deer (Odocoileus virginianus) body size at Fort Hood, Texas.”

Testa, Peter “Decoding the formation of a retail giant: The evolving geography of Costco's store network.”

Whitaker, Carl “Small town retail change in east Texas: An analysis of retail growth, decline, and spatial reconfiguration.”

Dodge, Joshua “Hurricane storm surge sedimentation on the McFaddin National Wildlife Refuge, Texas: Implications for coastal marsh aggradation.”

Huang, Pu “A new lacustrine analysis add-in for ArcGIS.”

Pokhrel, Pranav “The study of spatial and temporal variability of degree day snowmelt in Colorado.”

Sakinejad, Michael “The landscape legacies of urban gas drilling in north Texas.”

Barnett, Jennifer “The impact of Chinese Privet (Ligustrum sinense) on the survival and re-establishment of native plants at the Dallas Floodway Extension.”

Gillreath-Brown, Andrew “An applied geospatial soil moisture model: The relationship between agricultural fields and Puebloan habitation sites in the Goodman watershed, central Mesa Verde region.”

UNIVERSITY OF TEXAS AT AUSTIN

PhDs:
Flood, Jonathan “Groundwater geochemistry and human ecology in the south Aegean: a diachronic investigation of the human–hydrologic relationship from prehistory to the present.” (Lazzard–Beach, 2016)

Holloway, Paul “Incorporating movement in species distribution models.” (Miller, 2016)

Jones, Natalie “Eating while young and black: food, foodways, and gentrification in Austin, Texas.” (Knapp, 2016)

Polk, Mary “They are drying out”: social-ecological consequences of glacier recession on mountain peatlands in Huascarán National Park, Peru.” (Young, 2016)

Rudow, Joshua “Uphill cultivation: farmers in the changing environments of the Rio Ica watershed, Peru.” (Doolittle, 2016)

Masters (Arts):
Ames, Jillian “How does uncertainty influence spatial projections of Anopheles presence in Kenya?” (Miller, 2016)

LeVine, Daniel “Spatial-temporal analysis of central Texas savannas: integrating field data with remotely-derived data sources to inform ecosystem function and management.” (Crews, 2016)

McCullough, Amy “You have arrived: geotourism and experiencing place via Airbnb” (Adams, 2016)

Tasker, Kaitlin “Informing the carbon frontier: economics and landscape in the western Amazon.” (Arima, 2016)

Wells, Greta “Timeline Reconstruction of Holocene Jökulhuflaups along the Jökulsá á Fjöllum Channel, Iceland.” (Luzzader-Beach, 2016)

UNIVERSITY OF TEXAS AT SAN ANTONIO

Masters (Arts):
Owens, Raluca “Possible impacts of Global Climate Change on Peach Orchards in Gillespie County, Texas.”

UTAH

UNIVERSITY OF UTAH

PhDs:
Knaclow, Vachel Carter “The role of climate variability and disturbances on forest ecology in the Intermountain West.” (Andrea Brunelle, 2016)

Li, Dapeng “Modeling wildfire evacuation as a coupled human–environmental system using triggers.” (Thomas Cova, 2016)

Li, Han, Institutions “Economic Transition, and Urban Land Expansion in China.” (Yehua Wei, 2016)


Meng, Ran “Study of Two Vegetation-Related Disturbances (beetle herbivory and wildfire) in the Western United States Using Optical Remote Sensing.” (Philip Dennison, 2015)

Miege, Clement “Recent Ice Sheet Snow Accumulation and Firn Storage of Melwater Inferred by Ground and Airborne Radars.” (Richard Forster, 2015)


Masters (Science):
Chavez, Vanessa “Climatic Influences on Two Cienega Complexes from Northern Baja California: A 45,000 Year Paeleocological Record.” (Andrea Brunelle, 2016)

Coates, Austin Reece “Hyperspectral Remote Sensing For Monitoring Species-Specific Drought Impacts In Southern California.” (Philip Dennison, 2015)


Fu, Liwei “Bicycling Preferences and Behavior in Salt Lake City.” (Steven Farber, 2015)

Heyer, Joshua Paul “Spatial Correlation Analysis of NINO3.4 Sea Surface Temperatures with Western North America Hydroclimate.” (Simon Brewer, 2016)

Hile, Ryan Patrick “Thinking Inside the Black Box: Enhancing the Social Vulnerability Index with an Artificial Neural Network.” (Thomas Cova, 2015)

Howard, Kelsey Ann “A Late Pleistocene to Early Holocene Climate, Vegetation and Fire History Record for the Bonnerville Basin, Utah, USA.” (Andrea Brunelle, 2016)

McNerney, Laura “Constraining the Greenland Firm Aquifer's Ability to Hydrofracture a Crevasse to the Bed of the Ice Sheet.” (Richard Forster, 2016)

Niccolosi, Emily Ann “Geographies of climate change mitigation: An exploration of the climate change movement.” (Simon Brewer, 2015)

Unger, Corey “Creating Spatial Data Infrastructure to Facilitate the Collection and Dissemination of Geospatial Data to Aid in Disaster Management.” (Thomas Cova, 2015)

Ward, Danielle “Holocene Geochemistry of Spring Sediments in Range Creek Canyon, Utah.” (Andrea Brunelle, 2016)


Other: Masters (GIS):
Graves, Edward (2016)
Jiao, Xiaomin (2016)

WASHINGTON

CENTRAL WASHINGTON UNIVERSITY

Masters (Science):
Aymond, Aya (Fall 2015). A Zooarchaeological Analysis of the Monarch Bay Site (KOD-026) Kodiak Island, Alaska. (Lubinski)
Brown, James (Spring 2016). Alternatives to Charcoal for Improving Chronometric Dating of Puget Sound Archaeological Sites. (Hackenberger/McCUTCHEON)
Harrison, Isa (Fall 2015). Elk and Deer Hunters in Washington State: Affiliations and Ethical Behavior. (Wirth)
Porter, Laurie (Summer 2015), Behavioral Response of Pacific Lamprey (Entosphenus tridentatus) to Predator Odors (Wagner)
Saunders, Anthony (Spring 2016), An Economic Approach to Modeling Archaeological Settlement Patterns in Central Idaho (Hackenberger/Bowen)
Steele, Rozsika (Winter 2016), Defining Biodiversity: A Local Assessment of the Tahuayo River, Peru Using Self-Directed Photography. (Lipton) **Dale and Mary Jo Comstock Distinguished Thesis Award**
Steinkraus, Mark (Spring 2016), Mapping and Radiocarbon Dating Archaic Period Monuments: La Alberca Structure Complex, Highland Michoacán, Mexico. (Hackenberger)
Wachholder, Thomas (Fall 2015), Applying Wetland Rating Systems to Assess Functions of Depressional Wetlands Created by a Mass Wasting Feature, Table Mountain, Washington. (Gabriel)

UNIVERSITY OF WASHINGTON

PhDs:
Bettani, Stefano, “Religion and Religious Places: Rethinking Hybridity.” (Brown, 2016)

Masters (Arts):
Neel, Phil. "Logistics Cities: Poverty, Immigration and Employment in Seattle's Southern Suburbs." (Bergmann, 2016)

WESTERN WASHINGTON UNIVERSITY

PhDs:
Evans, Elizabeth A. “Globalized Garment Systems: Theories on the Rana Plaza Disaster and Possible Localist Responses.” (2016)
Ellis, Todd M. “Climatic Drivers of Western Spruce Budworm Outbreaks in the Okanagan Highlands.” (2016)

WEST VIRGINIA

MARSHALL UNIVERSITY

Masters (Science):
Wiley, Douglas. M.S. Assessing the impact of a supermarket shuttle model on supermarket access within Cabell County, West Virginia

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WEST VIRGINIA UNIVERSITY

PhDs:
Chen, Xiannian "Dimensions of the Use of VGI in Mass Crisis Events" (2015)
Smith, Jennifer "Uneven Development of Peri-Urban Space in South Africa" (2015)

Masters (Arts):
Foster, Jessica "Acquiring a Taste for the Local: Examining Consumer-Producer Perspectives on Locally Grown Food at Farmers' Markets in North-Central West Virginia" (2015)

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

PhDs:
Cooper, Mark Hampton "Ethereal Metrologies: Making the New Climate Economy in New Zealand." (Turner, 2016)
Kontgis, Caitlin Patricia "Land cover, land use, and climate change impacts on agriculture in southern Vietnam." (Schneider, 2016)
Lee, Jae-Youl "Policy, Place, and People in the Making of Agro City Seoul, South Korea." (Ols, 2015)

Masters (Science):
Chen, Yuying "Point object extraction from scanned topographic maps." (Ozdogan, 2015)
Rose, Caroline "Mapping Technology in Wilderness Search and Rescue." (Roth, 2015)
Szymanski, Laura "Soil Microbial Respiration and Carbon Turnover Under Perennial and Annual Biofuel Crops in Two Agricultural Soils." (Marin-Spiotta, 2015)
Tolochko, Robin Carol "Contemporary Professional Practices in Interactive Web Map Design." (Roth, 2015)

UNIVERSITY OF WISCONSIN, MILWAUKEE

PhDs:
Li, Wenliang "Large Scale Urban Impervious Surfaces Estimation through Incorporating Temporal and Spatial Information into Spectral Mixture Analysis" (Wu, 2016)
Lin, I-Hui "Assessing the Effect of Parks on Surrounding Property Values Using Hedonic Models and Multilevel Model" (Wu, 2016)
Pettygrove, Margaret "Food inequities, urban agriculture, and the remaking of Milwaukee, Wisconsin" (Ghose, 2016)

Masters (Arts):
Ananchev, George "Embodying the Regime of Automobility: A Phenomenology of the Driving Subject and the Affects of Governable Space" (Sziarto, 2016)

Masters (Science):
Borchardt, Susan "High Capacity Wells and Baseflow Decline in the Wolf River Basin, Northeastern Wisconsin" (Choi, 2016)

Other (Non-Thesis Option):
Drew, Ben (MS, Schwartz, 2016)

WYOMING

UNIVERSITY OF WYOMING

PhDs:
Bowler, Jonathan "Managing Recreation Resources: An Assessment of Recreation Opportunities in the Green River's Uinta Basin, Utah" (Gribb 2015)
Brussel, Thomas "Construction and application of a plant-trait dataset for determining relationships between demographic traits and fire variables using paleoenvironmental data" (Minckley, 2015)
Leonard, Christina "Evaluating effects of floodplain constriction along a high-energy gravel-bed river: Snake River, WY" (Legleiter, 2015)
Pearson, Joseph E. "Impact of early snowmelt on Denver water supply" (Shinker, 2015)
Stegman, Tobin "Stream restoration monitoring using structure-from-motion photogrammetry, Teton Creek, Idaho" (Legleiter, 2015)

CANADA

ALBERTA

UNIVERSITY OF ALBERTA

PhDs:
Aubet, Natalie "Paleoceanographic Significance of the Neoproterozoic Polanco Limestones Formation (Uruguay): Stratigraphy, Isotopic Geochemistry and Age" (Kurt O. Konhauser, 2016)
D'Amours, Real "An Investigation of the Processes involved in Tracer Transport and Exchanges Within and Between the Different Layers in the Atmosphere" (John Wilson, 2015)
Dong, Tian "Geochemical, Petrophysical and Geomechanical Properties of Stratigraphic Sequences in Horn River Shale, Middle and Upper Devonian, Northeastern British Columbia, Canada" (Nicholas Harris, 2016)
King, Michael "Application of Ichnology Towards a Geological Understanding of the Ferron Sandstone in Central Utah." (S. George Pemberton and Murray Gingras, 2015)
Magalhaes, Antonio J. C. "High-Resolution Sequence Stratigraphy in a Mesoproterozoic Intracratonic Sag Basin, the Tombador Formation, Chapada Diamantina Basin, Brazil." (Arturo Sanchez-Azofeifa, 2015)

McCrea, Richard "Selected Studies on Terrestrial Vertebrate Palaeoichnology of Western Canada" (S. George Pemberton, 2016)

Petrasch, Daniel "The Trace Metal Content of Modern and Ancient Peritidal and Shallow Subtidal Dolomites: Significance and Systematics" (Kurt O. Konhauser, 2016)


Reimink, Jesse Ray "Petrogenesis of the Acasta Gneiss Complex, Northwest Territories, Canada" (Thomas Chucko, 2016)

**Masters (Arts):**
Cheesebrough, Alison E "Everyday Wild: How do Preserved Natural Areas in the City of Edmonton Contribute to Adult Perceptions of Health and Well-Being?" (Theresa Garvin 2015)

**Masters (Science):**
Beaton, Neil I "Diagenetic Controls on Hydrothermal Fluid Flow in the Osiris, Isis, and Isis East Carlin-Type Gold Showings, Nadaleden, Yukon." (Gleeson, 2016)

Botterill, Scott E "Sedimentology, Ichnology, and Palaeodepositional Affinity of the Cretaceous Bluesky Formation, Alberta." (Gingras 2016)

Brin, Laura E "The Age and Origin of Lithospheric Mantle Beneath Central Victoria Island and Partly Penninsular, Northern Canada." (Pearson 2016)


Gillard, Laura C "Ocean Circulation and Marine Terminating Glaciers of the Greenland Ice Sheet." (Myers, 2015)

Hu, Nan "Refining an Inverse Dispersion Method to Quantify Gas Sources on Rolling Terrain." (Wilson, Reuter, 2016)


Li, Jianghanyang "Identify Metamorphic and Primary Multiple Sulfur Isotopic Signatures in the 2.7 Ga Pyrite Nodules from the Southernwestern Superior Province (Minnesota, USA)." (Li, 2016)

Liu, Lijuan "Geochemistry, Geochronology, and Fluid Inclusion Study of the Newton Epithermal Gold, and Morrison Porphyry Copper Deposits, British Columbia." (Richards, 2015)

Mahony, Matthew "50,000 Yeras of Paleoenvironmental Change Recorded in Meteoric Waters and Coeval Paleoeocological and Cytosratigraphic Indicators from the Klondike Goldfields, Yukon, Canada." (Proese, 2015)


McMillan, Julia M "Expression of Major and Trace Element Signatures of the Frasnian Duvernay Formation Within a Sea Level Context: Insights into the Processes that Control Mudstone Composition, Paleoexod Conditions and Organic matter Enrichment" (Harris, 2016)

Miles, Naomi E "Timing of Deposition and Geochemistry of Source Rocks in the Georgina Basin, Australia." (Creaser, 2015)

Razavi Khoroshari, Seyed A. M "Geology, Geochemistry, Geochronology, and Economic Potential of the Taftan Volcanic Complex, Southeastern Iran," (Richards, 2015)

Sanders, Shelby "Buickastuc Accumulations Along the Western Margin of the Early Triassic Montney Formation." (Zonnveld, 2016)


Stone, Rebecca S "The Behavior of Orthopyroxene in Carbonatitic Melts." (Luth, 2016)

Sutton, Lindsay R. "Comparison of Simulated and Observed Severe Storm Tracks over Alberta." (Reuter, 2016)

Tombe, Sean F "Age and Origin of the Brucejack Epithermal Au-Ag Deposit, Northwestern British Columbia." (Gleeson, 2016)

**UNIVERSITY OF CALGARY**

**PhDs:**

Barrett, Olesya "Measuring Accessibility to Primary Health Care Across the Urban-Rural Continuum in the Province of Alberta." (Bertazzon, June 2016)


Fuller, Mark "Passive and Active Microwave Remote Sensing and Modeling of Layered Snow." (Yackel, November 2015)

McLane, Adam "An Agent-Based Modelling Framework for Whitebark Pine Restoration in the South Cascades, Washington." (McDermid, June 2016)

**Masters (Arts):**

Edworthy, Sonia "Collective Action and Sharing Space Across Difference: A Participatory Case Study at the Old Y Building." (Miller, June 2016)

Ladosz, Monika "Exploring Volunteers' Understanding of Harm in International Volunteering Projects: A Mental Models Approach." (Draper, June 2016)

**Masters (Science):**

Brands, Lia "Using stepping stones and translocations to facilitate dispersal for the endangered Ord's kangaroo rat, Dipodomys ordii." (Bender, June 2016)

Burler, Brianna "Determinants of Risk in Bear-Train Encounters." (Draper, June 2016)

Lantz, Jamie "Coyote (Canis latrans) occurrence relative to human use on Glenbow Ranch Provincial Park, Alberta." (Alexander, June 2016)

Leclair, Adam "The Surface Footprint of Bioturbation in a Prairie Sandhill Ecosystem: Resolving the Spatial Distribution and Geochemical Implications." (Hugenholtz, November 2015)

Mahmud, Mallik "Sea Ice Melt Onset Dynamics in the Northern Canadian Arctic Archipelago from RADARSAT, 1997-2014." (Yackel, June 2016)

McWilliams, Benjamin "Influence of Habitat Disturbances on Endemic Grassland Bird Distributions in Loamy Ecological Range Sites at Canadian Forces Base Suffield, Alberta." (Bender, November 2015)

Ryan, Susan "Evolution of Low Impact Development in Calgary, Alberta." (McDermid, June 2016)

**Masters (Geographic Information Systems):**

Fraser, Jesse "Unmanned Aerial Systems, Overlap and Elevation: A Study in Accuracy and Precision Arctic and South California." (Moorman, June 2016)
Graham Taylor "Visualization of LiDAR Digital Terrain Models for the Detection of Prehistoric Archaeological Features in Alberta." (Moorman, June 2016)

Incontri Carla "Visualizing Internet Discourses and the Politics of the Internet: An Exploratory Analysis of Peru’s 2009 Amazon Indigenous Protests using Geographic Information Systems." (Davidson, June 2016)

Li, Shuyan "Estimation of the Potential Number of Secondary Suites within Proximity to Primary Public Transit Stations in Calgary." (Miller, November 2015)


Schimmowsky, Mark "Characterizing potential avalanche release areas in Glacier National Park, British Columbia, Canada." (Martin, November 2015)

Wismer, Daniel "Morphometric Analysis of 5th Order Drainage Basins, Kananaskis AB Examining Committee." (Martin, November 2015)


BRITISH COLOMBIA

SIMON FRASER UNIVERSITY

PhD:

Amram, Ofer "Spatial epidemiology of child and youth injury." (Dr. Schuurman, 2015)

Ho, Hung Chak "Spatial influences of heat exposures and social vulnerability on the temperature-mortality relationship: A case study in the Greater Vancouver area." (Dr. Schuurman, 2016)

Johnston, Roderick Neil "Exploring the influences on the Caribbean’s emerging medical tourism industry." (Dr. Crooks, 2016)

Latt, Sai Soe Win "Depoliticization, secularization and violent accumulation in the integration of the Greater Mekong Sub-region." (Dr. Sturgeon, 2016)

Makanga, Prestige Tatenda "The place of geographic information and analysis in global health: A case of maternal health in regions of southern Mozambique." (Dr. Schuurman, 2016)

Perkins, Andrew James "Refining the pattern and style of deglaciation on the southern Fraser Plateau and environs." (Dr. Brennand, 2015)

Masters (Arts): Keane, Oliver "Social enterprise in British Columbia: The profile page as a crisis heterotopia." (Dr. Hall, 2016)

Masters (Science): Camp, Philip Edward "Human-fire interactions in British Columbia: varying constraints of human-caused wildfire occurrence and geography of the wildland-development interface." (Dr. Krawchuk, 2015)

Cunada, Christopher Luke "Seasonal Methane Dynamics in Lakes of the Mackenzie River Delta, Western Canadian Arctic." (Dr. Lesack, 2016)

Gitto, Alessandro Biagio "Representative point-integrated suspended sediment sampling in rivers." (Dr. Venditti, 2015)

Koziatek, Olympia "Four-dimensional geospatial approaches for modeling vertical urban growth." (Dr. Dragicevic, 2016)

Scarpone, Christopher Frank "Modelling of exposed bedrock and soil depth in the critical zone of Southern British Columbia." (Dr. Schmidt, 2015)

Ton, Michael "The effects of disturbance history on the taxonomic and functional composition of ground-layer plant communities." (Dr. Krawchuk, 2015)

UNIVERSITY OF BRITISH COLOMBIA

PhD:

Hoogeveen, Dawn "Geographis of settler colonial dispossession: rejecting gold and prosperity on Tsilhqot’in territory." (Sundberg, Le Billon, 2016)

Kennedy, Emilia "Labour of technology: carbon capture and storage in Alberta, Canada." (Kuus, 2016)

Sepúlveda, Claudia "Swans, ecological struggles and ontological fractures: a posthumanist account of the Río Cruces disaster in Valdivia, Chile." (Sundberg, 2016)

Webber, Sophie Rachel "Adaptation ecologies: circuits of climate change finance, policy, and science in the Pacific Islands." (Donner, 2015)

Masters (Arts):


Clarkson, Molly "Speaking for sockeye, speaking for themselves: First Nations engagement in the Cohen Commission (2009 - 2012)," (Wynn, 2016)

Daniels, Joseph A "Securitizing spectacle: property, real estate investment trusts, and the financialization of retail space in Singapore." (Barnes, Wyly, 2015)

Hawes, Emily Jeanne "Geographies of indebtedness: the spatial nature and lived experiences of household debt in Metro Vancouver." (Ley, 2016)

Izquierdo Mejia, Esteban "Spaces of cultural resistance: underground libraries in the U.S.Southwest." (Sundberg, 2015)

Johnson, Kelsey Mae "Performing the nation at the frontier: Filipino immigration and settlement in Whitehorse, Yukon." (Pratt, 2015)

Srivastava, Shambhavi "Meaning-making of historical episodes by the Punjabi-Sikh youth in Vancouver." (Hiebert, 2015)

Sutherland, Colin Robert "Destination Arctic: bureaucracy, tourism, and identity in Canada." (Kuus, 2015)

Xia, Tian "Northeast China and uneven development under the influence of China's reform and opening up." (Edgington, 2015)

Masters (Science):


Lee, Joseph K "A mobile sensor network to map CO₂ emissions in urban environments." (Christen, 2016)

Moyer, Alexis "Streamflow response during the rapid retreat of a lake-calving mountain glacier." (Koppes, 2015)

Papangelakis, Elli "The effects of channel morphology on the mobility and dispersion of sediment in a small gravel-bed stream." (Hassan, 2015)

Richardson, Mark E "Refinement of tracer dilution methods for discharge measurements in steep mountain streams." (Moore, 2015)


Winterhalt, Lesley Marie "Physical habitat below a hydropoaking dam: examining progressive downstream change." (Eaton, 2015)
Finkler-Kemeny, Kate "Old Age, Place and Care: The Experiences of Aging in Place in Beijing, China." (Rosenberg, 2015)

Yu, Jie "Walkability of Three Southern Ontario Inner City University Campus Thoroughfare Streets: Assessing the Physical and Perceptual Qualities of the Built Environment." (Collins, 2015)


Huang, Dilyn "Condos, Lettuce, and Tomatoes: Factors Influencing the Provision of Food Production Spaces in New Multi-Unit Residential Developments in Toronto and Vancouver." (Viswanathan, 2015)

Jiang, Jessica "Families, a vital resource for the planning and survival of resource towns: Case Studies of Kitimat, Fort St. John and Tumbler Ridge." (Viswanathan, 2015)

Katyal, Himanshu "From a lot to a lot better: Perceptions of security and attractiveness of design features of two parking lots in the City of Kingston." (Viswanathan, 2015)


MacDonald, Natasha "Addressing Core Housing Need in the City of Saint John, New Brunswick." (Streich, 2015)

McIntosh, Robert "Linking Bike Path to Train Track: Recommendations for Improved Bicycle Parking Facilities at the Future Baseline LRT Station, Ottawa." (Agarwal, 2015)

Misiak, Andrew "Comparing the Potential for Creative Clusters for Urban Regeneration." (Meligrana, 2015)

Newton, Randi "Exploring the factors that support cooperative and equitable municipal-First Nation relationships: A case study of the City of Calgary and the Tsuut'ina Nation." (Viswanathan, 2015)


Romlewski, Samantha "Revalitizing the Beachway Park: Recommendations for Improving the Waterfront Trail along the shores of Burlington, Ontario." (Agarwal, 2015)

Shuhaibar, Mazen "Retrofitting for sustainability: Assessing the sprawl repair potential of three commercial centres in Hamilton, Ontario." (Meligrana, 2015)


Tan, Diane "Community Based Development in Rideau Heights: The Case for a Community-Driven Storefront Initiative." (Viswanathan, 2015)

Tejani, Shazeen and Smith, Molly "Tackling Tactical Urbanism: Exploring the Potential for Improved Social Spaces on Queen's University Campus." (Gordon, 2015)


Thomassen-Darby, Corinna "Reanimating a Forgotten Crossing: Design recommendations for the redevelopment of Ottawa’s Prince of Wales Bridge into a multifunctional rail-trail bridge." (Agarwal, 2015)

Tootoonchian, Pegah "PARK IT - Examining urban green spaces in the downtown core of Toronto, Ontario." (Collins, 2015)


Zuk, Daren "Old Buildings, Great Beer: Lessons of Adaptive Reuse and Microbreweries in the City of Toronto." (Bray, 2015)
Minielly, Rebecca "Realizing the Sustainability Potential of Organized
McCarter, Siobhan "Long-Term Impact of Petroleum Exploration in
Brander, Georgia "Selling Conservation? The Role of Volunteer
Stretch, Vanessa "A multiproxy reconstruction of mixed-severity
Manson, Gavin "Nearshore Sediment Transport in a Changing
Holmes, Elizabeth "Fostering the provisioning of ecosystem services
PhD
UNIVERSITY OF GUELPH
Stansfield, Kaitlin "Effects of Perennial Biomass Grasses and
Pineau, Asia
Qin, Yi
Rathwell, Graham
Scrnannage, Heather
See-Har, Danna
Shanks, Amy
Skidmore, Spencer
Snowball, Ryan
Spolsky, Thomas
Tardif, Rene
Wagar, Barrett

Bachelors (Geography):
Aarsen, Jonathan "Knowledge, Indigenous Peoples, and Film."
(Lovell, Winter 2016)
Ezzio, Sarah "An Analysis of Seasonal Digital Hemispherical Photographs for the Determination of Woody-to-Total Area Ratio and Leaf Area Index for a Mixedwood Forest." (Treitz, Winter 2016)
McCarten, Siobhan "Long-Term Impact of Petroleum Exploration in the Canadian High Arctic." (Lamoureux, Winter 2016)
Minnielly, Rebecca "Realizing the Sustainability Potential of Organized Garden Projects at Queen’s University in Kingston, Ontario." (Donald, Winter 2016)
Rusk, Bridget "Characterization of the Geochemical Processes and Importance of Subsurface Water Input at the Confluence of the Apex River in Iqaluit, NU." (Lafrenière, Winter 2016)
Stansfield, Kaitlin "Effects of Perennial Biomass Grasses and Fertilizer Inputs on Soil Quality in Bath, Ontario." (Scott, Winter 2016)

UNIVERSITY OF TORONTO
PhD:
Arviv, Tamir "The Diverse Geographies of Jewishness: Exploring the intersections between Race, Religion and Citizenship among Israeli Migrants in Toronto." (Leslie, Mahtani, 2016)
Noyce, Genevieve Labombard "Biochar and Wood Ash Impacts on Soil Microbial Community Structure and Biogeochemical Functioning in Forests." (Basliko, Fulthorpe, 2016)
Richardson, David Buress "Modeling, Optimization and Large-Scale Grid Integration of Solar Photovoltaic Energy in Ontario's Electricity System." (Harvey, 2016)
Shimoda, Yuko "Integration of Novel Mathematical and Statistical Techniques to Support Model-based Water Quality Management." (Arhonditis, 2015)
Story, Brett Patricia "Displacing the Prison: Carceral Space, Disposable Life, and Urban Struggles in Neoliberal America." (Cowan, 2015)

Masters (Arts):
Brandon, Georgia "Selling Conservation? The Role of Volunteer Tourism in Supporting Marine Conservation in Southern Belize." (Gray, 2016)
Masters (Arts):
Grise, Emily "A Spatial Analysis of Pedestrian Injury in the City of Toronto." (Buliung, 2015)
Harris, Rachel "We Exist. We’re Not Just Some Fairytale in a Book": Migration Narratives of LGBTQ2S Aboriginal People in Toronto. (Wilson, 2015)

Masters (Science):
Arabian, Joyce "Retrieving leaf chlorophyll content in wheat and corn using Landsat-8 imagery." (Chen, 2015)
Buchanan, Sarah "Intraspecific Variation in Leaf and Root Traits Across Nutrient and Light Gradients in Coffee Agroforestry Systems." (Isaac, 2016)
Didiano, Teresa Julia "The Impact of Variable Precipitation on the Performance of Wetland and Grassland Plants." (Duval, Marc Johnson, 2015)
Jung, Jenny Ha Yon "Tropospheric Ozone Variations over North America." (Liu, 2015)
Malcom, Matthew "Hydrological and Biogeochemical Fluxes of Throughfall and Stemflow in Temperate Swamps." (Duval, 2015)
Megens, Anna Marie "Development of Sand-Bedded Rivers in Glaciated Southern Ontario." (Desloges, 2015)
Sage, Larissa Katherine "Recovery of Boreal Forest Carbon Pools Following Stem-Only Harvesting in Quebec, Canada." (Smith, 2016)

UNIVERSITY OF WATERLOO
PhD:
Abu Bakar, Nor Azlina "The Importance of Institutional Arrangements for Sustainable Livelihoods: The Case of Tun Saka Nakahara Park, Sabah, Malaysia." (Wall, 2016)
Gunn, Grant "Re-Evaluating Scattering Mechanisms in Snow-Covered Freshwater Lake Ice Containing Bubbles Using Polarimetric Ground-Based and Spaceborne Radar Data." (Duguay, 2015)
Ketcheson, Scott "Hydrology of a Constructed fen Watershed in a Post-Mined Landscape in the Athabasca oil Sands Region, Alberta, Canada." (Price, 2016)
Moghul, Zainab "A Climate Change Vulnerability Assessment of a Tourism Destination Community (A Case-Study of Oistins, Barbados)." (Scott, 2016)
Xu, Xiaoyong "Assimilation of Remotely Sensed Soil Moisture in the MESH Model." (Li, Tolson, 2016)
Zofigahiri, Kiana "Retrieval of Lake Erie Water Quality Parameters From Satellite Remote Sensing and Impact on Simulations With a 1-D Lake Model." (Duguay, 2016)

Masters (Arts):
Allaire, Alysha "Last Chance Tourism in Canada’s Parks and Protected Areas: A Case Study of Wapusk National Park and Jasper National Park." (Scott, MRP, 2016)
Du, Yikang "How do vegetation density and transportation network density affect crime across an urban central-peripheral gradient: a case study in Kitchener- Waterloo, Ontario." (Law, MRP, 2015)
Shao, Jingya "Social Vulnerability and Resilience mapping of flooding in Surrey." (Tan, Mortsch, MRP, 2016)
Tadgell, Anne “Last but not least: Resettlement as a climate change adaptation strategy in Metro Manila, Philippines.” (Doberstein, 2016)

Masters (Science):
Balulescu, Andrei "An economic analysis of retail market potential using demographics and spatial analysis in Ontario, Canada." (Robinson, 2015)
Bocking, Emma “Analyzing the impacts of road construction on the development of a poor fen in Northeastern Alberta, Canada." (Price, 2015)
Depante, Midori “Nutrient and Hydrologic Conditions Post-Fire: Influences on Western Boreal Plain Aspen (Populus tremuloides Michx.) Re-establishment and Succession." (Petrone, 2016)
Lam, Wai-To "Effects of Hydroclimatic Drivers and Tillage Practices on Runoff Generation and Phosphorus Losses Through Drainage Tiles from Agricultural Fields with Sandy Loam Soils." (Macrae, English, 2016)
Leclair, Melissa "The hydrological interactions within a mine impacted peatland, James Bay Lowland, Canada." (Price, 2015)
Mills, Angela "Seasonal and Event-based Hydrological Response in a Hillslope-Riparian Zone setting of the Temperate Beverly Swamp." (Macrae, Roy, 2015)
Minano, Andrea "Supporting Local Climate Change Adaptation with the Participatory Geoweb: Findings from Coastal Nova Scotia." (Johnson, 2015)
Minokhin, Ivan "Forecasting northern polar stratospheric variability using a hierarchy of statistical models." (Fletcher, 2016)
Pilon, Jenna "Characterization of the Physical and Hydraulic Properties of Peat Impacted by a Temporary Access Road." (Petrone, Macrae, 2016)
Scarlett, Sarah "Characterizing controls on plot-scale evapotranspiration and soil water dynamics of a constructed fen in the Athabasca Oil Sands Region, Alberta." (Price, Water, 2016)
Thompson, Aaron "Observations of Moderate to Deep Seasonal Snow in Agricultural Fields with a Radar Scatteringometer at Ku- and X-band Frequencies." (Kelly, 2016)
Wang, Minjie "Are Urban Heat Islands Linked to Urban Sprawl?" (Zhou, 2016)
Zhou, Menglan "Automated Extraction of 3D Building Windows from Mobile LiDAR Data." (Li, 2016)

Masters of Environmental Studies (MES):
Caradima, Bogdan "Multi-criteria suitability analysis and gravity modeling of retail store location in Ontario, Canada." (Robinson, 2015)
Eger, Sondra “Multi-Stakeholder Perspectives on Coastal and Marine Connectivity Management in Dominican Republic.” (Dobberstein, Water, 2016)

Guo, Peiran “Weather and Air Quality Preferences of Urban Tourists in China.” (Scott, MRP, 2015)

Li, Bowen “Oil spills on soil: effect, clean up technology and management.” (McKenzie, MRP, 2015)

Li, Wei “Monitoring Land Use and Land Cover Changes in the Greater Toronto Area Using Landsat Imagery from 1984 to 2014.” (Li, MRP, 2016)


Suman, Sunna “Novelty Seeking Preferences of Chinese and Indian Overseas Tourists in Canada Using the International Tourist Role (ITR) Scale: An Exploratory-Comparative Study.” (Havitz, Tourism, 2016)

Wallace, Colin “Photogrammetry in Mediterranean Archaeology.” (Deadelman, 2016)


Yan, Vivien “Environmental Initiatives in the Hotel Industry: Environmental Certification and the Marginal Abatement Cost Curve (MACC).” (Parker, Tourism, 2016)

Zhang, Haocheng “Rapid Inspection of Pavement Markings Using Mobile Laser Scanning Point Clouds.” (Li, 2016)

Sotomayor Melo, Diego Alejandro "Direct and Indirect Consequences of Dominant Plants in Arid Environments." (Lortie/Drezner, 2016)

**Masters (Arts):**

Ariai, Sarah "The Reality of Neoliberal Sustainability: An Examination of the West Don Lands, Toronto." (Young, 2016)

Felipe, Alexie "Small-Scale Mining on Mt. Balabag: Examining Class Dynamics and Socioeconomic Mobility." (Vandergeest, 2015)

Mabry, Shaun "Securitization, Criminalization, and Biopolitics: A Legal Geography of Asylum in the United States." (Hyndman, 2016)

Nicolaides, Jordan "Third places as Alternative Spaces of Cultural Production and Consumption in the Neoliberal Creative City." (Bain, 2016)

Ou, Shanxian "Immigration Policy and Student Migration: Migration Motivation, Switching Experience and Policy Knowledge Acquisition among Mainland Chinese International Students in Toronto, Canada." (Lo, 2016)

**Masters (Science):**

Balogun, Olaalekan "Measurement of Atmospheric Concentration of CO2 in the Hudson Bay Lowlands: An Application of a Lagrangian Particle Dispersion Model (STILT)." (Bello, 2016)

Shuman, Patrick "The Dominance of Cyanobacteria in Ponds of the Hudson Bay Lowlands and the Limiting Factors to their Growth." (Bello/Tank, 2016)

Weeks, Gayla "Climate Change and the Fate of Dissolved Organic Carbon in the MacKenzie Delta, NWT." (Tank, 2016)

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**QUEBEC**

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**MCGILL UNIVERSITY**

**PhDs:**

Donnelly, Blanain-PhD “Indigenous health, livestock, and climate change adaptation in Kanungu District, Uganda.” (Berrang-Ford)


Holland, Timothy-PhD “Land markets, migration, and forest conservation on an Amazonian frontier in San Martin, Peru.” (Coomes)

Quintal-Marineau, Magalie-PhD “Near the ice edge: Inuit women’s role in the Nunavut mixed economy.” (Wenzel)

Pinsonneault, Andrew-PhD “Substrate and enzymatic controls on temperate peatland carbon cycling.” (Moore)

Price, Andrea-PhD “Dinoflagellate cysts as indicators of water quality in Northwest Atlantic coastal waters.” (Chmura)

Seufert, Verena-PhD “Contribution of organic agriculture to global sustainable food security.” (Ramankutty)

**Masters (Arts):**

Aranas Egan/Malcolm Davis-MA “Adaptation to climate change in urban areas: a global assessment and a case study of Dhaka, Bangladesh.” (Berrang Ford)

Archer, Lewis-MA “A decadal reanalysis of climate vulnerability in the Canadian Arctic: the case of Arctic Bay.” (Ford)

Charette Margot-MA "A socio-ecological analysis of dengue in Northwest Atlantic coastal waters." (Chmura)

Hughes, Carl-MA “A method for near real-time surveillance of hepatitis A and E cases in Ahmedabad, India.” (Sengupta)

Kitching, Knut-MA “Tuktu and environmental change: Inuit caribou harvesting on southern Baffin Island.” (Ford)

List, Geneva-MA “Agriculture and the risk of crop loss due to flooding in the Amazon river floodplain of Peru.” (Coomes)
Sangiambut/Suthee-MA “Geospatial open data: reshaping citizens and governments, roles and interactions.” (Sieber)

Masters (Science):
Agosta G'meiner, Anna Maria-MSc “Holocene environmental change inferred from fossilpollen and microcharcoal at Centone Jennifer, Cayo Coco, Cuba.” (Chmura/Peros)
Ariwi, Joseph-MSc “Towards a high resolution global stream temperature model: model design and validation for the contiguous USA.” (Lehner)
Clark, Dylan-MSc “Vulnerability to injury: assessing biophysical and social determinants of land-user injuries in Nunavut, Canada.” (Ford)
Coyle, Théraesa-MSc “Conserving God’s own country: biodiversity in agroforestry landscapes of Kerala, India.” (Rhemtulla/Turner)
MacVicar, Sarah-MSc “The impacts of meteorological exposures on perinatal health: a mixed methods study of Kanungu District, Uganda.” (Berrang Ford)
Soto, Caralomagno-MSc “Hyperspectral remote sensing investigations of vegetation in Northern Peatlands.” (Kalascka)
Van Ardenne, Lee Brandon-MSc “Quantifying soil carbon storage and losses in natural and agriculturally converted salt marsh.” (Chmura)

UNIVERSITÉ DE MONTRÉAL

PhDs:
Dépôt du sujet de recherche de doctorat de Lina Margarita Campos-Flores intitulé Géographies émotionnelles de la migration circulaire des travailleurs agricoles saisonniers latinoaméricains sous la direction de Patricia Martin et la codirection de Michèle Vatz-Laaroussy
Dépôt du sujet de recherche de doctorat de Michelle Aubrun intitulé Reconstitution du milieu urbain à partir de l’interférométrie RADAR sous la direction de François Cavayas
Dépôt du sujet de recherche de doctorat de BA Ibrahima intitulé Gestion et gouvernance de l’eau en Afrique : de la nécessité d’une approche de la dynamique des espaces de gestion et de la gouvernance locale de l’eau sous la direction de Kathryn Furlong

Masters (Science):
Dépôt du sujet de recherche de maîtrise de Marion Carrier intitulé Bugs and berries : ecological and social consequences of climate change on a Québec subarctic environment sous la direction de Julie Talbot et la codirection de Thora Martina Herrmann
Dépôt du sujet de recherche de maîtrise de Juliane Cristina Candido intitulé Le géomarketing pour l’emplACEMENT idéal et la distribution efficace des produits innovants issus de la forêt canadienne sous la direction de François Girard et la codirection de Michèle Robichaud
Dépôt du sujet de recherche de maîtrise d’Audrey Veilleux intitulé Cryostraigraphie des ravinns de thermo-érosion, Ile Bylot (Nunavut) sous la direction de Daniel Fortier
Dépôt du sujet de recherche de maîtrise d’Olivia Fernandez Pereda intitulé Impacts des Water operators partnerships “WOPs” sur la prestation des services d’eau dans la ville de Quito. Equesteur sous la direction de Kathryn Furlong
Dépôt du sujet de recherche du mémoire de maîtrise de Mariana De Oliveira Tiné intitulé Modélisation spatiale des moteurs de changements dans les milieux humides par automate cellulaire : étude de cas sur la région nord des plaines de l’Athabas au Québec, Canada sous la direction de Liliana Perez et la codirection de Roberto Molowny Horas

Dépôt du sujet de recherche du mémoire de maîtrise de Samira El mamouni intitulé Projets de Développement et d’aménagement Durable d’Aïn-Leuh (Maroc) et le Développement Durable sous la direction de Christopher Bryant et la codirection de Robert Kasisi

UNIVERSITÉ DE SHERBROOKE

PhDs:
Djamai, Najib “Validation et désagrégation de l'humidité du sol estimée par le satellite SMOS en zones agricoles et forestières des Prairies canadiennes.” (Ramata Magagi, Kalifa Goïta, 2016)
Delahaye, Alexandre. “Classification multi-échelle d'images à très haute résolution spatiale basée sur une nouvelle approche naturelle.” (Goze Bénédicte, Mickaël Germain, 2016)
Shahbazi, Mozdeh. “Modélisation tridimensionnelle précise de l'environnement à l'aide des systèmes de photogrammétrie embarqués sur drones.” (Jérôme Théau, Gunho Sohn, 2016)

Masters (Science):
Gravel, Jean-Dominic “Modélisation conceptuelle d'un système d'information géographique web intégrant des données interopérables des sentiers récréatifs à l'échelle du Canada.” (Jean-François Bruneau, Mickaël Germain, 2015)
Guilouet, Simon “Les interventions policières auprès des personnes ayant un état mental perturbé: distribution dans le temps et dans l'espace.” (Michael Howard)
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Chretien, Louis-Philippe “Détection et dénombrement de la moyenne et grande faune par imagery visible et infrarouge thermique acquise à l'aide d'un aéronef sans pilote (ASP).” (Jérôme Théau, 2016)
Trán, Thi Kim Dung “Mise au point du Système de cartographie dynamique multiéchelle (SCDM) pour la caractérisation des eaux souterraines de la zone Nicolet et de la partie basse de la zone Saint-François.” (Goze Bertin Bénédicte, 2016)
Côté, Kevin “Évaluation de la précision des simulations des couvert nigeux par SNOWPACK à partir de données météorologiques in-situ et de prévision dans différents contextes climatiques des régions montagneuses canadiennes.” (Alexandre Langlois, 2016)
Le Houillier-Viens, Maude “Sensibilité des simulations de neige du modèle SNOWPACK à la paramétrisation de la végétation dans la réserve faunique Chic-Chocs.” (Alexandre Langlois, 2016)
Turpin, Nicolas “Développement d'une application de cartographie mobile permettant de prévenir les risques sur le territoire de la ville de Montréal.” (Yves Voirin, 2016)
Caron, Francis “Modélisation en bandes C et X de la rétrodiffusion de couverts de neige sèche: Evaluation de l'apport de l'approximation quasi-cristalline pour les milieux denses.” (Ramata Magagi, 2016)
Dupras-Tessier, Olivier “Conception d'un portail participation d'information géographique Web pour la mise en valeur des produits forestiers non ligneux d'après leurs potentiels de présence.” (Richard Fournier et Mickaël Germain, 2016)
Ouellet, Félix “Spatialisation du modèle de couvert nival Snowpack dans le Nord canadien pour l’étude de l’accès à la nourriture du caribou de Peary.” (Alexandre Langlois et Alain Royer, 2016)

Maingueneau, Benjamin “Étude multicritère pour l’implantation d’oléïennes aux Îles-de-la-Madeleine. (Éric Le Couédic, Lynda Bellalite, 2016)

Madore, Jean-Benoit Évaluation de la modélisation de la taille de grain de neige du modèle multi-couches thermodynamique SNOWPACK: implication dans l’évaluation des risques d’avalanches. (Alexandre Langlois, 2016)

Proulx-Bourque, Jean-Samuel “Amélioration des données altimétriques dans la région du Grand Lac des Esclaves à partir d’images Radarsat-2.” (Ramata Magagi, 2016)

Viau, Philippe “Développement d’un indice du potentiel TOD pour l’agglomération de Montréal” (Lynda Bellalite, 2016)

Couture, Guillaume “Conception de scénarios cartographiques pour la ceinture verte de Sherbrooke basés sur des fonctions prioritaires.” (Jérôme Théau, 2016)

Bohard, Jérôme “Système de prédiction des conséquences de l’effet du changement climatique sur la production du maïs américain.” (Mickaël Germain, 2016)

Beaudoin-Galaisire, Maxime “Amélioration de la résolution spatiale de simulations de neige du modèle SNOWPACK dans un contexte de l’accès à la nourriture du caribou de Peary.” (Alexandre Langlois, 2016)

Perrault-Hébert, Maude “Modélisation de la régénération de l’épinette noire suite au passage d’un feu en forêt boréale fermée.” (Richard Fournier, François Girard, 2016)

Andrieux, Bérengère “État de la migration potentielle des niches écologiques liée aux changements climatiques dans la région des parcs nationaux de Frontenac et du Mont-Mégantic.” (Jérôme Théau, 2016)

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**Doctorados:**


**Maestrías:**

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**Doutorados:**
Alvarenga, André “Cenários da Memória: a poética do espaço e as topografias da memória na autorepresentação cinematográfica de Andre Tarkovski” (Paulo Cesar Costa Gomes, 2014).

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Carmona-Ceballos, Luis Emilio. “Nuevas ruralidades en Colombia: el territorio del resguardo de Guambía (Cauca – Colombia).” (Myriam Susana Barrera Lobató, 2015).


Roa, Sara. “Provisión de vivienda popular en Bogotá durante el período neoliberal, estrategias espaciales, económicas e impacto social.” (Jhon Williams Montoya G., 2015).

ECUADOR

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Otros (por favor especifique): TESIS DE INVESTIGACIÓN ELABORADAS POR LOS PARTICIPANTES A LOS CURSOS INTERNACIONALES DICTADOS POR EL CEPEIGE:

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PAZ TENORIO JORGE ANTONIO. “Deslizamientos Urbanos en el Sur de Tuxtlás. Estudio de caso: el barrio Los Pins”. (Carreño Collatupa Raúl, 2014)

PROANO MORALES JORGE LUIS. “Elaboración de Mapa de Evaluación de Riesgos por Deslizamientos en el Barrio ‘Fuentes de Luz’”. (Marín Cambranis Rafael Humberto, 2014)

RICHARDSON VARAS ROBERTO MERRICK. “Por qué es importante el Estudio del Fenómeno de Inestabilidad de Laderas y la Importancia de los métodos de Prevención y Protección Contra Deslizamientos”. (Domínguez Morales Leobardo, 2014)

SANDOVAL SIERRA ELISA MERCEDES. “Elaboración de un Mapa de Riesgos por Deslizamientos en el Barrio El Mortiñal, Santiago de Cali – Colombia”. (Marín Cambranis Rafael Humberto, 2014)

TOMAS PILO MÓNICA LETICIA. “Elaboración de Cartografía de Riesgo de Calida de Bloques en Escenarios de Ocupación Intermitente, Mediane Sistemas de Información Geográfica. En el municipio de San Juan de Cali – Colombia”. (Marín Cambranis Rafael Humberto, 2014)

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ZURITA ALFARO INGRID SHIRLEY. “La Gestión de Riesgos y el Uso de Herramientas Geomáticas para la Detección de Posibles Zonas de Deslizamientos, Cuenca del río Portoviejo”. (Domínguez Morales Leobardo, 2014)

MÉXICO

EL COLEGIO DE MICHOACAN

Maestrías:
García Muñoz, Jaqueline (2012_2014), Transformaciones en el paisaje de la parte central de la Ciénega de Zacapu, 1884-2010, Dra. Ángeles Alberto Villavicencio, 13/03/2015.
Urbano Hernández, Brenda (2014_2016), La élite empresarial y procesos de desarrollo territorial de La Piedad, Dr. Carlos Alberto Téllez Valencia, 16/12/2016.

UNIVERSIDAD AUTÓNOMA DEL ESTADO DE MÉXICO

Maestría en Análisis Espacial y Geoinformática:
Alpízar Manjarrez, César. “Análisis espacial para la ubicación, diseño y amplificación de la red automática de monitoreo atmosférico del gobierno del Estado de México”. (Dr. Delfino Madrigal Uribe, 2013)

Estrada Bastida, Enrique. “ Diseño y desarrollo de un sistema para el análisis espacial a través del cálculo de índices por el método de componentes principales y su clasificación con el teorema de Dalenius y Hodges”. (Dr. Edel Gilberto Cadena Vargas , 2013).
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Martínez Martínez, José Luis Dr. “ Análisis espacial del impacto del programa de ahorro y subsidio para la vivienda en el estado de México 2009 – 2012” (Fernando Carreto Bernal, 2014).
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Villareal Hernández, Erick. “Análisis espacial de la distribución biogeográfica, de árboles y arbustos medicinales en el valle de Malinalco, México” (Dr. Jesús Gastón Gutiérrez Cedillo, 2014).
Pérez García, Héctor “ Análisis espacial de asentamientos prehispánicos del sur de la Huasteca. Álamo-Tempaque, Veracruz” (Dr. Héctor Víctor Cabadas Báez, 2014).
Reyna Sáenz María Del Rocio. “ Diseño y aplicación del índice de desarrollo educativo en el Estado de México, en ambiente de SIG” (Dr. Bonifacio Pérez Alcántara, 2014).
Velázquez Villegas Daniel “Análisis espacial de la desigualdad social y segregación de la población adulta mayor en el Estado de México” (Dr. Fernando Carreto Bernal, 2014).

UNIVERSIDAD AUTÓNOMA METROPOLITANA

Tesinas de la Licenciatura en Geografía Humana:
Aragón Gallegos, Érick, Cambio de Uso de Suelo y Apropiación del Espacio en el Ejido de San Andrés Mixiquic, Dr. Rafael Calderón Contreras, 2015
Bello Cardozo, Rodrigo, Redes sociales y económicas en la comercialización del perfume: Glass essence en la Ciudad de México, Dr. Martín Manuel Checa Artasu, 2016
Camacho Zavala, Natali, Migración ambiental una alternativa entre otras: Ixmiquilpan, Hidalgo, Dr. Rafael Calderón Contreras, 2015
Cárdenas Monroy, Horacio, Artesanía de luz y color: Organización, Redes e Innovaciones en la producción pirotecnica de San Pedro de la Laguna, Zumpango, Estado de México, Dra. María del Rocio Rosales Ortega, 2016
Castrillo Giles, Arturo, Capital social y acción colectiva en la configuración económico territorial de la producción artesanal de esferas de navidad en Chignahuapan, Puebla, Dra. María del Rocio Rosales Ortega, 2017
Cerqueda Velasco, Mario Alberto, Ecoturismo: participación comunitaria y beneficios socioeconómicos. El caso de la comunidad de San Juan de los Durán, en la Reserva de la Biosfera Sierra Gorda, Dr. Ludger Brenner, 2015
Conteras López, Luis Héctor, Ecoturismo certificado: ¿Alternativa para la conservación ambiental? Estudio de caso de la empresa ecoltourismo campesino Selva del Marinero, Los Tuxtlas Veracruz, Dr. Horacio Mackinlay Grohman, 2015
Cruz Villanueva, Alma Edid, Redes de cooperación y aprendizaje conformado en el sistema de producción del mole en San Pedro Atocpan, Dra. María del Rocio Rosales Ortega, 2016
Cueto García, Jorge, Gobernanza ambiental en la reserva de la biosfera Los Tuxtlas, Veracruz. El papel de los comités de vigilancia ambiental participativa, Dr. Ludger Brenner, 2016
Durán Solís, Ignacio, La violencia en el Metro de la ciudad de México hacia las mujeres y la restricción de las experiencias espaciales, Dra. Alicia Lindón, 2015
Flores Cruz, Katipan La construcción y evolución urbana de una ciudad media mexicana vinculada a la Industria del petróleo. El caso de Poza Rica de Hidalgo, Veracruz, Dra. Martín Manuel Checa Artasu, 2016
Gallegos González, Abraham, Gestión Ambiental en el Territorio del Lago de Chalco, Valle de Chalco Solidaridad, Dr. Rafael Calderón Contreras, 2016
González Coronado, Antonio Carlos, Metrobus: potencialidades para la movilidad en la Ciudad de México, Dr. Martín Manuel Checa Artasu, 2016
González Hernández, Esperanza, Dinámicas de la agroindustria azucarera en los ríos Atoyac y río Blanco, Veracruz: consecuencias ambientales y territorialidades, Dr. Pere Sunyer Martín, 2015
López Corona, María del Pilar, Configuración de los espacios domésticos complejos: Casa-talleres de costura, en Chimalhuacán, Estado de México, Dra. María del Pilar Esquivel Hernández, 2015
López López, Ana Lilía, La Plaza de las Tres Culturas: entre la memoria del lugar y la pérdida de sentido, Dra. Alicia Lindón, 2015
Macías Merino, Patricia, Movilidad alternativa en la Ciudad de México: El caso de los grupos ciclistas del Distrito Federal, Dr. Martín Manuel Checa Artasu, 2015
Méndez Chávez, Amairani Monserrat, Estrategias de desarrollo sustentable en el municipio de Nezahualcóyotl a partir de la recuperación de espacios, Dr. Armando García Chiang, 2017
Mendoza Cerda, Virginia Anahí, La construcción de microterritorialidades de la homosocialización de un grupo de mujeres jóvenes lesbianas en Ciudad Nezahualcóyotl, Dra. María Teresa Esquivel Hernández, 2017
Núñez García, Ana Laura, Caracterización de la problemática de las aguas residuales en Ixmiquilpan Hidalgo, Dr. Rafael Calderón Contreras, 2015
Ortiz Chávez, Ana Laura, Los usarios de la Zona Oriente y su movilidad cotidiana en la Línea “A” del Sistema de Transporte Colectivo-Metro, Dra. María del Rocio Rosales Ortega, 2015
Ortiz Valdenegro, Irina Yetlaneaní, La reconfiguración de los imaginarios suburbanos en los conjuntos habitacionales: El caso de los habitantes San Buenaventura, 12 años después, Dra. María Teresa Esquivel Hernández, 2017
Padilla Sáenz, Ana Karen, Caracterización de los riesgos de la construcción del nuevo aeropuerto internacional de la Ciudad de México sobre el antiguo Lago de Texcoco: un enfoque de resiliencia, Dr. Rafael Calderón Contreras, 2017
Pérez Roque, Angélica Irais, Gestión ambiental en el Pueblo de San Gregorio Cuautzingo: Autogestión de los Recursos Hídricos, Dr. Rafael Calderón Contreras, 2017
Quintanar Ashley, Julia Hermione, Ganaderos y sector ambientalista en la Reserva de la Biosfera Los Tuxtlas: ¿Intereses contrapuestos inconciliables?, Dr. Ludger Brenner, 2015
Sanabia Simental, Ángel Alexis, Landscape branding en el turismo mexicano. Otra forma de mirar, comunicar y promover el paisaje, Dr. Martín Manuel Checa Artasu, 2017
Segundo Vivanco, Abel, Problemática y riesgo ambiental en el municipio de Pánuco, Veracruz, Dr. Martín Manuel Checa Artasu, 2016
Soria Torres, Guadarrama, Myriam Alejandra, La identidad de Papantla, Veracruz, por la presencia de la vainilla en la geografía de sus habitantes, Dra. Alicia Lindón, 2016
Vázquez Olguín, Germán, El sistema de economía global y sus impactos en la reestructuración socio-económica y territorial: El caso del municipio de Ecatepec, Dr. Martín Manuel Checa Artasu, 2015
Venancio Cortés, Leticia, Identicidad y alteridades en un contexto de expansión urbana: El caso de Tecamachalco, Estado de México, Dr. Armando García Chiang, 2015
Villa López, Omar Samuel, Análisis de riesgo por inundación en colonias de las delegaciones Tlapaltapa e Iztapalapa, Dra. Rafael Calderón Contreras, 2016

VENEZUELA

UNIVERSIDAD CENTRAL DE VENEZUELA

Maestrías:


De Freitas Wuendi Y Gómez Stefania. “La movilidad urbana de personas entre la avenida intercomunal de Antímano y el kilómetro 15 de la carretera a El Junquito, municipio Libertador, Distrito Capital” Asesor Prof. Rafael Ruano. 2016.


Luna Mario Y Múñoz Omar. “Estudio del riesgo por inundación en la ciudad de Valle de La Pascua por influencia de las quebradas La Danta y La Pascua” Asesor Prof. Orlando Cabrera. 2016.


Monsalve Greya Y Rojas Franklin. “Propuestas para el desarrollo territorial del municipio Marillo, estado Sucre.” Asesor Prof. Simón González. 2015.


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  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 Ottawa  
  ** University of Toronto, Mississauga  
  University of Toronto, Scarborough  
  ++ University of Windsor  
  ++ Wilfrid Laurier University

** QUEBEC  
  Bishop’s University  
  John Abbott College  
  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

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LATIN AMERICA

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Instituto Superior Antonio Ruiz de Montoya
Instituto Superior Esteban Adrogue
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 Martín
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
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Galen University

BOLIVIA
* Escuela Militar de Ingeniería

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Instituto Histórico, Geográfico e Antropológico do Ceará
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** Pontifícia Universidad Católica de Minas Gerais
* Pontifícia Universidad Católica do Rio de Janeiro
Pontifícia Universidad Católica de São Paulo
Pontifícia Universidad Católica do Rio Grande do Sul
Sociedade Cearense de Geografia e História
** Universidad Federal do Ceará
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** Universidad Católica Dom Bosco
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Universidade de São Marcos
** Universidad de São Paulo

Universidade do Amazonas
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Universidade do Estado do Amazonas
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** Universidade Estadual de Campinas
+ Universidade Estadual de Feira de Santana
Universidade Estadual do Goiás
** Universidade Estadual de Maringá
+ Universidade Estadual de Ponta Grossa
+ Universidade Estadual do Centro, Oeste
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 Acará
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 Pelotas
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Universidade Federal de Roraima
Universidade Federal de Sergipe
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Universidade Federal do Acre
Universidade Federal do Amazonas
Universidade Federal do Espírito Santo
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** Universidade Federal do Paraná
** 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
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Universidade Salgado de Oliveira, Campus Niterói

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+ Universidad de Playa Ancha
Universidad Metropolitana de Ciencias de la Educación
Universidad San Sebastián

COLOMBIA
* Instituto Geográfico Agustín Codazzi
Pontificia Universidad de Colombia
Universidad de Caldas

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Universidade do Estado de Mato Grosso, Cáceres
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COLOMBIA
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Pontificia Universidad de Colombia
Universidad de Caldas
DOMINICAN REPUBLIC
Pontificia Universidad Católica Madre y Maestra
Universidad Autónoma de Santo Domingo

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Universidad del Azuay
Universidad San Francisco de Quito

EL SALVADOR
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Universidad Autónoma de Honduras
Universidad Pedagógica Nacional Francisco Morazán

MEXICO
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Sociedad Mexicana de Geografía y Estadística
Universidad Autónoma de Guerrero
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URUGUAY
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Source: The Integrated Postsecondary Education Data System of the National Center for Education Statistics.
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