GEORGEP 1. Digital Earth. 3 Credit Hours.
Explores various geospatial technologies and the societal implications of our digital world with particular emphasis on location services, mapping, imagery, and other capabilities.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 105. World Regional Geography. 3 Credit Hours.
An introduction to geography's basic concepts within the framework of a comprehensive survey of the world's major regions.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 110. Introduction to Human Geography. 3 Credit Hours.
An introduction to the sub-fields of human geography by an examination of patterns and process in the international system.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 120. Physical Geography. 3 Credit Hours.
The Earth system (atmosphere; hydrosphere; biosphere; lithosphere) emphasizing the interrelationships among its constituent subsystems; human-environmental interactions and geographic dimensions of these four subsystems.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 198. Geographic Information System for Engineers. 1 Credit Hour.
The fundamentals of Geographic Information Systems (GIS). A GIS is a set of hardware and software tools that allow people to work with data that are tied to a particular location. In this course students will learn how to import, analyze and display answers to spatial research questions using GIS software. By the end of the semester students should have a solid understanding of the various applications of Geographic Information Systems in numerous spheres of everyday life. No prior experience with GIS software is required for this course. This course is for College of Engineering students only.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 199. Geographic Information Systems for Engineers. 1 Credit Hour.
The fundamentals of Geographic Information Systems (GIS). A GIS is a set of hardware and software tools that allow people to work with data that are tied to a particular location. In this course students will learn how to import, analyze and display answers to spatial research questions using GIS software. By the end of the semester students should have a solid understanding of the various applications of Geographic Information Systems in numerous spheres of everyday life. No prior experience with GIS software is required for this course.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 201. Topics in Geography. 1-3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

GEG 211. Advanced Physical Geography. 3 Credit Hours.
An in-depth examination of physical geography topics to draw upon for research projects.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 231. Environmental Geography & Planetary Health. 3 Credit Hours.
Designed to encourage students to think deeply, critically, and coherently about the interaction between human societies and nature from a geographical perspective. Explores the societal dependence on natural ecosystems. Assess the magnitude and impacts of the environmental changes caused by human activities in the biosphere and evaluates the hypothesis that the earth has moved into a new geologic epoch. Explores the concept of sustainable development and how countries are implementing it.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 241. Health & Medical Geography. 3 Credit Hours.
Integrates public health and medicine with human and environmental geography using three approaches: ecological (the interaction of disease and our natural/built environments), social (the behavioral effects of culture, poverty, and politics), and spatial (using geospatial technology to better understand and improve health services and outcomes).
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 266. Metropolitan Miami. 3 Credit Hours.
This course provides interdisciplinary perspectives on the urbanization of South Florida and on Miami's urban milieu. The course uses the case of Metropolitan Miami to introduce and illustrate a range of basic concepts in urban studies.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 281. Economic Geography. 3 Credit Hours.
Explores processes driving spatial patterns of economic activity at the global, national, regional, and local scales. Topic areas include economic globalization, spatial distribution of industrial sectors, multinational corporations, international trade, regional economic development, and illegal economic activities. Examines the development of the global marketplace in both the developed and the developing world.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 300. Human Geography. 3 Credit Hours.
The focus is on human geography by exploring pressing global issues including population growth, migration, economic crises, environmental decline, food security, identity politics, war and urbanization. These topics will be explored through the lens of cultural geography, uncovering, how spatial interconnections and geographical interdependence shape the world as we know it. FOR BGS STUDENTS ONLY
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 305. Spatial Data Analysis I. 3 Credit Hours.
The use of basic methods or quantitative analysis for spatial data, including basic descriptive and inferential statistics and special techniques for spatial data.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.
GEG 306. Geographic Research Methods. 3 Credit Hours.
The fundamentals of social science research, such as research design, hypothesis formulation, and field data collection, with particular emphasis on quantitative and qualitative geographic analytical methods.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.

GEG 310. Geographic Information Systems I. 3 Credit Hours.
An introduction to fundamental concepts in Geographic Information Systems (GIS) and related geographic technologies. Students are exposed to leading GIS software tools used in the industry.
Components: LEC.
Grading: LEC.
Typically Offered: Fall & Spring.

GEG 315. Digital Cartography. 3 Credit Hours.
An introduction to cartographic methods, interpretation and history. Students learn basic principles of visual representation, how to map qualitative and quantitative data, and how to prepare maps for publication and the web.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.

GEG 321. Remote Sensing of the Environment. 3 Credit Hours.
Theory and techniques of environmental remote sensing and imagery interpretation for earth resources monitoring and management.
Components: LEC.
Grading: LEC.
Typically Offered: Fall & Spring.

GEG 331. Sustainable Development. 3 Credit Hours.
Explores the emerging field of sustainable production-consumption systems with special emphasis on the agriculture, extractive, and infrastructure sectors. A geographic perspective is used to evaluate the environmental impacts of these sectors. Reviews the mechanisms that governments and the private sector are establishing to make these economic sectors more sustainable.
Components: LEC.
Grading: LEC.
Typically Offered: Fall.

GEG 332. Climatology & Extreme Weather. 3 Credit Hours.
Covers introductory information about Earth's atmosphere, weather development, and extreme weather events. Introduces basic concepts of the science of weather and climate, and current scientific developments in areas such as extreme weather forecasting and global climate change.
Components: LEC.
Grading: LEC.
Typically Offered: Offered by Announcement Only.

GEG 334. Biogeography & Conservation. 3 Credit Hours.
Explores the modern science of biogeography and its implications for the design of spatial strategies to conserve biodiversity and ecosystem services. Examines the history of biogeography and its geographical and ecological foundations. Discusses the fundamental biogeographical processes and uses them to investigate the evolution of biotas and explain the current biogeographic patterns. Explores the emerging field of conservation biogeography and its applications.
Components: LEC.
Grading: LEC.
Typically Offered: Offered by Announcement Only.

GEG 335. Sustainable Food Systems. 3 Credit Hours.
A sustainable food system sustains environmental health and local economies, and is socially just. We will explore the intricacies of global geographies of major food systems and how these systems have come to be. We will identify where major food types are produced, why and where the major demand centers are. Further, we will seek answers to fundamental food-related questions, including: in an age of plenty, why do people still starve, and what can be done about it? How do we explain malnutrition in some parts of the world and obesity in others? Can there really be such a thing as a "sustainable global food systems?" Finally, we will examine what the future implication for food is through exploratio1 and evaluation of a range of visions for a safe, sustainable food system.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.

GEG 336. Hazards & Disasters: The Nature-Society Interface. 3 Credit Hours.
Explores how human-environment interactions determine the distribution, causes and consequences of natural hazards and disasters.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.

GEG 341. Population, Health, & Environment. 3 Credit Hours.
Global human population dynamics and implications for environmental sustainability; topics include population growth and structure, mortality and fertility patterns, migration, urbanization, aging, and household composition.
Components: LEC.
Grading: LEC.
Typically Offered: Fall.

GEG 343. Population, Sustainability, and the Media. 3 Credit Hours.
Explores opposing views of population growth and environmental sustainability through the media and cinema: contrasts "Doomsters" who believe population growth and resource consumption threaten human survival and pro-growth "Boomsters" who believe human ingenuity and technology will continue to allow humankind to prosper.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.

GEG 345. Drinking Water: Past, Present, & Future. 3 Credit Hours.
Traces the past, present, and future of human drinking water supplies through a social science lens. Examines drinking water as a physical, social, economic, and political resource, and how the integration of these views affects the management of global drinking water supplies.
Components: LEC.
Grading: LEC.
Typically Offered: Fall.

GEG 346. Immigrant & Refugee Health. 3 Credit Hours.
Theoretical background essential for understanding the health problems experienced by displaced populations including refugees, migrants, and internally-displaced persons.
Components: LEC.
Grading: LEC.
Typically Offered: Spring.
GEG 348. Climate Change & Public Health. 3 Credit Hours.
The mechanisms by which climate change adversely affects human
health, and the policy options for mitigating our exposure.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 351. Geopolitics and Peacebuilding. 3 Credit Hours.
Explores the political and legal responses, both national and international,
to violations of Human Rights associated with conflicts and totalitarian
regimes around the world, with emphasis on the peace building process
in diverse geographical locations.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 352. Crime and the City. 3 Credit Hours.
Explores why there is so much violent crime in certain cities of the
Americas and why there are such marked spatial differences between,
and within, these cities. Contrasts and discusses specific issues (and
myths) of crime, punishment, and policing in the Americas using a variety
of academic and institutional research on violent crime.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 353 United States National Security. 3 Credit Hours.
Examines a broad spectrum of such challenges to US national security,
simulating the role of policy makers and strategists for the Office of the
President.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 354. Global Human Rights. 3 Credit Hours.
Equips students with a broad perspective to think critically about the
global issues surrounding the foundations of Human Rights together with
questions about its universality, reach, and enforceability.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 355. Global Political Economy. 3 Credit Hours.
Explores the relationship between the global economy and politics, as
governments seek both to shape it and to respond effectively to the
constraints and opportunities it provides.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 356. Latin American Political Economy. 3 Credit Hours.
Examines Latin America’s economic development, analyzing different
developmental strategies, resource endowment, institutional framework,
and other related variables.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 361. Geography and Development in Africa. 3 Credit Hours.
A survey of the geography of Africa south of the Sahara, with particular
emphasis on development and the role of African states in the
international system.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 362. World Urban Geography. 3 Credit Hours.
An introduction to the principles and methods that apply to the
geographic study of cities and urbanization.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 366. Cities in Time & Space. 3 Credit Hours.
Interdisciplinary perspectives on the city, urbanity, and urbanization
through a series of wide-ranging historical-geographical contexts. Field
excursions are incorporated into the course.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 381. Geography and Development in Africa. 3 Credit Hours.
A survey of the geography of Africa south of the Sahara, with particular
emphasis on development and the role of African states in the
international system.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 382. Political Geography of the Middle East. 3 Credit Hours.
Geography of the Middle East with emphasis on current political topics.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 383. Geography & Development in South America. 3 Credit Hours.
An introduction to the geography of South America. Explores the
interface between societies and nature in this diverse and complex world
region. Covers the major challenges that the countries of the continent
are facing to improve their socio-economic indicators as well as protect
their unique natural ecosystems.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 384. Geography of South Florida. 3 Credit Hours.
Human and physical geography of South Florida.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 385. Jewish Geography. 3 Credit Hours.
Facts of Jewish history, geography, and demography both in the world
and the United States. Basic geographic concepts that help us to
understand the Jewish world and provide a basis for understanding the
various ways that Jewish communities have adapted to different
geographic circumstances.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 386. Cities in Time & Space. 3 Credit Hours.
Interdisciplinary perspectives on the city, urbanity, and urbanization
through a series of wide-ranging historical-geographical contexts. Field
excursions are incorporated into the course.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 390. Topics in Geography. 3 Credit Hours.
Content and prerequisites announced when offered. Course may be
repeated for credit if content varies.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 398. Independent Research. 6.00 Credit Hours.
Independent research conducted one on one with a faculty member.
Components: SEM.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

GEG 399. Independent Study. 6.00 Credit Hours.
Independent study.
Components: SEM.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.
GEG 402. Geographic Thought & Analysis. 3 Credit Hours.
Geographic thought, traditions, and methods of analysis for upper
division undergraduates.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 405. Spatial Data Analysis II. 3 Credit Hours.
Social and environmental science applications of spatial
statistical analysis illustrated with data and numerical (simulation experiments)examples employing interactive software. This course’s focus is on spatial autocorrelation.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 406. Survey Research Methods. 3 Credit Hours.
The use of survey research including the choice of a survey mechanism,
sampling, questionnaire design, survey logistics, survey analysis, and
reporting of results.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 410. Geographic Information Systems II. 3 Credit Hours.
An introduction to spatial analysis, which consists of techniques for
analyzing patterns of and interrelationships between spatial data. Topics
include vector polygon editing and topology, integration of raster and
vector data, surface analysis and 3D analysis, suitability mapping, spatial
modeling and multi-criteria evaluations.
Prerequisite: GEG 310.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 412. GIS for Health & Environment. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 414. Crime Mapping & Analysis. 3 Credit Hours.
Provides a basic understanding of the spatial analysis of issues related
to criminal justice and crime mapping using state-of-the-art GIS software.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 415. Web GIS. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 421. GIS & Environmental Modeling. 3 Credit Hours.
Space-time modeling in a GIS environment with emphasis on raster-
based models of land cover change, urban expansion, species
distribution, wildfire propagation and other environmental issues.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 435. Geography of Wine. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 490. Topics in Geography. 3.00 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 501. Capstone Research Seminar. 3 Credit Hours.
Project-based fundamentals of social science research; emphasizes
research conceptualization and design, application of methods, data
management, scientific writing, multi-modal presentation of findings, and
professional development skills.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 505. Seminar in Methods of Analysis. 3 Credit Hours.
The use of advanced quantitative, qualitative, and mixed methods in the
solution of geographic research problems.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 506. Field Studies in Geography. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 507. Seminar in Field Methods. 3 Credit Hours.
With a focus on geo-spatial applications, this methods course introduces
students to field research addressing complex socio-environmental
issues. The course includes exercises with GPS data collection; geo-
tagged photography; ground truthing; spatial survey design; and
distributed GIS. Various research areas and cognate filed methods
including environmental demography, community surveying, cultural
mapping, and multi-sited ethnography.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 519. Immigration to the United States. 3 Credit Hours.
A description and analysis of current immigration patterns in the United
States.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 530. Seminar in Sustainability. 3 Credit Hours.
Examines the relations between human society and material nature from
within a broad theoretical perspective, relating questions of
science, culture, and technology to the politics and economics of natural
resources, focusing particularly on water, food, and petroleum.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 532. Seminar in Biogeography & Conservation. 3 Credit Hours.
Explores the human dimensions of global environmental change using an
interdisciplinary approach. The course is reading and writing intensive.
Special attention is given to the central role that land-use/cover change
plays in the larger realm of global environmental change.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.
GEG 561. Seminar in International Development. 3 Credit Hours.
Topics in the study of development. Content and prerequisites vary.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 562. Seminar in Urban Management. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 563. Seminar in Urban Geography. 3 Credit Hours.
Topics in the study of urban geography. Content and prerequisites vary.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 580. Introductory Quantitative Methods for Geographical Analysis. 3 Credit Hours.
Basic quantitative methods for geographic analysis.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 590. Advanced Topics in Geography. 1-6 Credit Hours.
Content and prerequisites vary by semester.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 597. Internship in Geography. 6.00 Credit Hours.
Components: FLI.
Grading: SUS.
Typically Offered: Fall, Spring & Summer.

GEG 598. Advanced Independent Research. 6.00 Credit Hours.
Independent research conducted one on one with a faculty member.
Components: SEM.
Grading: GRD.
Typically Offered: Fall, Spring & Summer.

GEG 602. Geographic Thought & Analysis. 3 Credit Hours.
Seminar for Graduate and senior undergraduate students about geographic thought and geographical traditions.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 603. Research Design in Geography. 3 Credit Hours.
Designing and proposing geographic research projects based upon a critical reading of the geographical literature. Students will prepare a master’s thesis (master’s students) or dissertation (doctoral students) project proposal.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 610. Survey Research Methods. 3 Credit Hours.
The use of survey research including the choice of a survey mechanism, sampling, questionnaire design, survey logistics, survey analysis, and reporting of results.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 613. Advanced Cartography. 3 Credit Hours.
Cartographic research techniques, cognitive mapping, distortion, transformations and cartograms. Prerequisite: GEG 280 or equivalent.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 619. Immigration to the United States. 3 Credit Hours.
A description and analysis of current immigration patterns in the United States.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 622. Urbanization in the Developing World. 3 Credit Hours.
Patterns and processes in large cities in the developing world are examined.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 623. Seminar in Urban Management. 3 Credit Hours.
Identification of and responses to urban problems in large cities in European and Latin American metropolitan areas. Emphasis is on demographic, cultural/ethnic, service-provision, environmental, transportation, and land-use problems. Approach is via case studies, theory applications, and planning practicalities.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

GEG 625. Advanced Independent Study in Geography I. 1-6 Credit Hours.
Advanced independent study for Two-Paper Option for first paper.
Components: THI.
Grading: GRD.
Typically Offered: Fall, Spring & Summer.

GEG 632. Seminar in Environmental Geography & Planetary Health. 3 Credit Hours.
Advanced topics in Environmental Geography from a systems approach.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 635. Internship in Geography. 1-4 Credit Hours.
Students are assigned to work for a local public or private agency.
Components: THI.
Grading: SUS.
Typically Offered: Fall & Spring.

GEG 637. Development Studies. 3 Credit Hours.
Advanced seminar on issues in contemporary development studies.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.
GEG 643. Population, Sustainability and the Media. 3 Credit Hours.
Explores opposing views of population growth and environmental sustainability through the media and cinema: contrasts "Doomsters" who believe population growth and resource consumption threaten human survival, and pro-growth "Boomers" who believe human ingenuity and technology will continue to allow humankind to prosper.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

GEG 645. Advanced Independent Study in Geography II. 1-6 Credit Hours.
Advanced independent study for Two-Paper Option for second paper.
Components: THI.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 648. Climate Change & Public Health. 3 Credit Hours.
The mechanisms by which climate change adversely affects human health and the policy options for mitigating our exposure.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 652. Seminar on the Geography of South Florida. 3 Credit Hours.
Human and physical geography of South Florida.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 655. Field Methods and Geospatial Analysis. 3 Credit Hours.
With a focus on geo-spatial applications, this methods course introduces students to field research addressing complex socio-environmental issues. The course includes exercises with GPS data collection; geo-tagged photography; ground truthing; spatial survey design; and distributed GIS. Various research areas and cognate filed methods including environmental demography, community surveying, cultural mapping, and multi-sited ethnography.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

GEG 656. Interdisciplinary Issues in Latin American & Caribbean Studies. 3 Credit Hours.
Political, economic, social, and cultural issues of Latin American and Caribbean area Studies.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 658. Seminar in Comparative Politics I. 3 Credit Hours.
Comparative political analysis within and across nations. Debates on state formation, democracy and development, democratization, and the role of ideas, interests, and institutions.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 661. Urban Geography I. 3 Credit Hours.
An introduction to the essential elements about the growth and development of cities. Review of the challenges of urbanization and urban sustainability in the contemporary period.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 663. Urban Geography II. 3 Credit Hours.
Analysis of the spatial structure of urban centers, the development of and interaction between functional zones, and the movement of goods and people in urban areas.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 680. Spatial Data Analysis I. 3 Credit Hours.
The use of basic methods or quantitative analysis for spatial data, including basic descriptive and inferential statistics and special techniques for spatial data.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 681. Spatial Data Analysis II. 3 Credit Hours.
Social and environmental science applications of spatial statistical analysis illustrated with data and numerical (simulation experiments) examples employing interactive software. This course's focus is on spatial auto correlation.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 685. Digital Cartography. 3 Credit Hours.
Introduction to cartographic methods, interpretation, and history. Basic principles of visual representation, how to map qualitative and quantitative data, and how to prepare maps for publication and the web.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 691. Geographic Information Systems I. 3 Credit Hours.
An introduction to fundamental concepts in Geographic Information Systems (GIS) and related geographic technologies. Students are exposed to leading GIS software tools used in the industry.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 692. Remote Sensing of the Environment. 3 Credit Hours.
Theory and techniques of environmental remote sensing and imagery interpretation for earth resources monitoring and management.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 693. Geographic Information Systems II. 3 Credit Hours.
An introduction to spatial analysis, which consists of techniques for analyzing patterns of and interrelationships between spatial data. Topics include vector polygon editing and topology, integration of raster and vector data, surface analysis and 3D analysis, suitability mapping, spatial modeling and multi-criteria evaluations.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 695. Web GIS. 3 Credit Hours.
Map serving technologies and internet map design, focusing on the programming concepts needed to construct and implement high-quality web mapping applications.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.
GEG 758. Seminar in Comparative Politics II. 3 Credit Hours.
Theoretical approaches and methodological debates in Comparative Politics.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

GEG 810. Master's Thesis. 1-6 Credit Hours.
The student working on his/her master's thesis enrolls for credit, in most departments not to exceed six, as determined by his/her advisor. Credit is not awarded until the thesis has been accepted.
Components: THI.
Grading: SUS.
Typically Offered: Fall, Spring, & Summer.

GEG 820. Research in Residence. 1 Credit Hour.
Used to establish research in residence for the thesis for the master’s degree after the student has enrolled for the permissible cumulative total in GEG 710 (usually six credits). Credit not granted. May be regarded as full time residence.
Components: THI.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

GEG 825. Continuous Registration--Master's Study. 0 Credit Hours.
To establish residence for non-thesis master's students who are preparing for major examinations. Credit not granted. Regarded as full time residence.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.