

Fall 2019 Geography Courses for Undergraduates

Concentration Codes – Any major can take any class and have it count as an elective, but these codes are provided to help guide your choices for fulfilling your concentration requirements. **H** (Human Geography), **E** (Environmental Geography & Sustainability), **C** (Climate Change and Society), **I** (Globalization & International Studies), **U** (Urban Geography), **G** (GIS), Methods (fulfills methods requirement for core curriculum), **B** (BS Upper division physical geography)

| Concentration | Subject | # | Title | Description | Time | Days | Instructor |
|-----------------------------------|----------|------|---|--|---------------------|------|-----------------|
| GEOGRAPHY CORE CURRICULUM | | | | | | | |
| (Core Curriculum) | GEOGRAPH | 102 | Human Landscape: Geography, Environment and Development (4 cr) | A wide-ranging introduction to the ways people shape the world they live in. We will study the themes and concepts of human geography through the current issues and large questions which guide them. Lectures and reading will focus on the geographic aspects of cultural diversity, population issues, states vs. nations, the global economy, development, urbanization and the human transformation of the earth. We will cover major subdivisions of human geography including cultural geography, population geography, economic geography, social geography, urban geography and political geography. (Gen.Ed. SB, DG) | 11:15 AM - 12:05 PM | MWF | Toby Applegate |
| (Core Curriculum) | GEOGRAPH | 110 | Global Environmental Change (4 cr) | The natural relationships between the atmosphere, hydrosphere, biosphere, and lithosphere; human impact on the natural environment. Global environmental issues: global warming, sea-level rise, and ozone depletion in the stratosphere. Global changes of the past also studied to give perspective to forecasted changes. Includes writing exercises. (Gen.Ed. PS) | 04:00 PM - 05:15 PM | TTH | Matthew Winnick |
| GEOGRAPHY ELECTIVE COURSES | | | | | | | |
| H,I | GEOGRAPH | 220 | World Regional Geography (4 cr) | Survey of world physical and human geography, highlighting regional diversity and variation in globalization processes and outcomes. Introduces geographical theories, concepts, and methods while exploring nine major world regions. (GenEd SB, DG) | 02:30 PM - 03:45 PM | TTH | Toby Applegate |
| H,M,G | GEOGRAPH | 352 | Computer Mapping (3 cr) | Mapping projects through the use of software mapping packages. Students select their own final projects | 01:00 PM - 02:15 PM | TTH | Don Sluter |
| H,C,B,E | GEOGRAPH | 354 | Climatology (3 cr) | Fundamentals of the earth/atmosphere energy balance, the hydrologic cycle, atmospheric motion, and the general circulation of the atmosphere. Regional and local climates. How climate affects people's activities and how people influence climate. Climate change, its causes, and its effects. Prerequisite: introductory course in weather and climate (e.g., GEOG 100, GEOG 110 or ASTRON 105). | 01:00 PM - 02:15 PM | TTH | Michael Rawlins |
| H,I,E | GEOGRAPH | 360 | Economic Geography (3 cr) | Economic Geography is the study of how humans struggle to live on our planet. The course examines economic activities in space, place, and location through three lens: globalization, unequal development, and sustainability. Students will learn not just the "why" of economics, but how "where" complicates understanding the economy. | 09:05 AM - 09:55 AM | MWF | Toby Applegate |
| H,U,I | GEOGRAPH | 370 | Urban Geography (3 cr) | Survey of urban geographical analysis and the development of the world's cities. Theoretical and methodological approaches of urban geography used to explore cities as they shape and are shaped by their social, cultural, economic, and physical contexts. Topics include pre-industrial cities, industrial cities, the evolution of American cities, and contemporary urban issues in both developed and developing countries. (Gen.Ed. SB, U) | 11:30 AM - 12:45 PM | TTH | Piper Gaubatz |
| H,M,G | GEOGRAPH | 426 | Remote Sensing + Image Intrprt (4 cr) | This course introduces the principles of digital image analysis for interpreting remotely sensed data for environmental, resource and urban studies. Emphasis will be given to the processing and information extraction from optical and thermal imagery. | 10:00 AM - 11:15 AM | TTH | Qian Yu |
| H,I,E | GEOGRAPH | 440 | Political Geography (3 cr) | An analysis of how and why we organize the world into political territories and into geographically based political alliances and systems, and the consequences of this organization for people and environments. The first half of the course focuses on the practice of organizing the world into bordered political units, emphasizing especially the history and consequences of the nation-state system. The second half of the class focuses on the politics of development and the globalizing economy. Throughout the course, case studies will pay particular attention to issues of global inequality and environmental challenges. | 04:00 PM - 05:15 PM | MW | Eve Vogel |
| Integrative Experience | GEOGRAPH | 486 | Field Methods in Geography (3 cr) | This class has two goals: introduce students to research design and field research methods in geography, and explore ways of integrating knowledge gained across a college education, from gen-ed courses to more specialized departmental courses, in approaching analysis of the "real-world". We will focus particularly on field techniques which are most effectively learned on the ground, such as analytical observation, mapping, photography and interviewing, and the linkages between those methodologies and context/background research. Students will have opportunities both to work in groups and to design and carry out their own research projects. This course satisfies the Integrative Experience requirement for BA-Geog and BS-Geog majors. | 02:30 PM - 03:45 PM | MW | Piper Gaubatz |
| H,I,C,E | GEOGRAPH | 497C | Climate Crisis (3 cr) | This course is an introduction to the political ecology of climate change, response, and justice. It provides an opportunity to engage in critical reading and discussion about the great moral, political, economic, and environmental challenge of our time. We will explore climate crisis narratives; mitigation, adaptation, and climate justice issues; policy and social/economic reform debates; and climate activism. Reading will range from IPCC reports to work by Bill McKibben, Naomi Klein, and Indigenous activists. | 10:00 AM - 11:15 AM | TTH | Stan Stevens |
| H,M,G | GEOGRAPH | 593G | Introduction to GIS (4 cr) | The goals of this course are to teach you basic GIS concepts such as spatial data sources and structures, projections and coordinate systems, geospatial analysis, cartographic modeling, and the integration of remote sensing and GIS. By the end of the course, students will be proficient in ESRI ArcGIS software. | 11:30 AM - 12:45 PM | Th | Forrest Bowlick |