

# Geography (GEOG)

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## Courses

### **GEOG 102. World Regions and Concepts: A Geographic Analysis. 3 Credits.**

Introduction to regional geography, exploring the relationship between physical ecologies and human ecologies. The course covers the regional geographies of the earth's major geographic realms.

Fall Only.

### **GEOG 198. First Year Seminar. 3 Credits.**

First Year Seminar, topics vary.

Reserved for New Incoming Freshman.

### **GEOG 209. Landscapes of North America. 3 Credits.**

A general survey of the characteristics and origins of the major natural/physical regions of North America, with emphasis on national parks and monuments and other public areas. Class work will utilize remotely sensed imagery (aerial and satellite) to analyze each major area. Field Trips may be required.

Spring Even.

### **GEOG 210. Human Geography and Concepts. 3 Credits.**

This course introduces you to some of the major topics and models studied in human geography. Specifically, this course will examine the global patterns of population, culture, economic and political systems, and the interconnectedness at the international, national, and sub-national scales.

Fall Only.

### **GEOG 211. American Ethnic Minorities. 3 Credits.**

The geography of American ethnic minority groups. An introduction to ethnic geography that examines the experience of people of African, Asian, Hispanic, and Native heritage in the United States and Canada. These ethnic minorities are studied using the major themes of cultural geography such as spatial distribution, migration patterns and locational patterns.

### **GEOG 235. Wisconsin Landscapes and Regions. 3 Credits.**

The geography of Wisconsin's natural and cultural landscapes with an emphasis on their sequential development and changing patterns of land use and settlement. Natural resources, population, land utilization, and economic development of the state.

### **GEOG 250. Introduction to Geographic Information Systems (GIS). 3 Credits.**

Computerized Geographic Information Systems (GIS) represent revolutionary software advancement that allow sophisticated information management, analysis and mapping with computer systems. In this class you will learn basic principles for creation and analysis of digital maps, cartographic concepts, and experience an intensive introduction to GIS software (e.g., ArcGIS).

Fall and Spring.

### **GEOG 299. Travel Course. 1-6 Credits.**

Travel courses are conducted to various parts of the world and are led by one or more faculty members. May be repeated to different locations.

P: cons of instr & prior trip arr & financial deposit.

### **GEOG 321. Coastal Resources Policy and Management. 3 Credits.**

How shall we manage where land and waters meet? This course analyzes the importance of coastal resources, ranging from Wisconsin to the Great Lakes to our Pacific, Atlantic, and Gulf coasts, and addresses how rising water levels and stronger storms combine with increased human pressure to force difficult choices on communities to adapt. Using a resiliency framework, we will study biophysical and human development issues on land development, overuse, risk, and their consequent human, environmental, aesthetic, and nearshore effects; climate change impacts on water levels and storms; and numerous case studies of how communities are changing their policy, planning, and redevelopment strategies to adapt to current and future conditions.

REC: PU EN AF 102

Fall Only.

### **GEOG 341. Urban Geography. 3 Credits.**

The course will focus on the different perspectives within contemporary urban geography and introduce students to social constructions of urban morphology and the interaction between social forces and spatial organization.

Spring.

### **GEOG 350. GIS in Public and Environmental Policy. 3 Credits.**

Uses state-of-the-art software to integrate digitized data maps, transfer data, manage relational data bases, overlay maps, display, query, edit interactive graphics, and geocode addresses. Focus is upon GIS applications tailored to public and environmental policy, e.g., tax base analysis, property mapping, natural resources inventory, crime demography, transportation routing, natural hazards, and emergency management.

P: GEOG 250

Fall and Spring.

**GEOG 351. Elements of Cartography. 3 Credits.**

Principles of basic cartography, including problem identification and clarification, data collection and analysis, compilation, generalization, and symbolization; presentation of data on medium and large scale maps.

P: sophomore standing

Spring.

**GEOG 353. Air Photo Interpretation. 3 Credits.**

Techniques for the interpretation of human and natural land use. Wide variety of aerial photo formats and scales are used. Vertical and oblique photos, satellite images, and Internet web sites incorporated into course material.

P: sophomore standing

Fall Only.

**GEOG 370. Geography of South America. 3 Credits.**

A survey course which will explore the physical features, resources, people, and the political economy of the American southern hemisphere.

Fall Even.

**GEOG 450. Advanced Geographic Information Systems. 3 Credits.**

Project-based course using ArcGIS. Students define a project, develop a database, analyze spatial data, and develop GIS maps displaying results of their analysis.

P: Geog 350 or Pu En Af 350.

Spring Even.

**GEOG 470. Glacial Geology & Landscapes. 3 Credits.**

This course explores the extremes in environmental behavior which characterize the last 2.6 million years of Earth's history during the Pleistocene and Holocene Epochs. The course will provide students with the skills necessary to be able to recognize and describe glacial landforms, the materials of which they are composed, and the geologic processes by which they form.

P: Geosci 202 with at least a C grade; REC: Geosci 203.

Fall Even.

**GEOG 495. Teaching Assistantship. 1-6 Credits.**

The student and supervising teacher must prepare a statement that identifies the course with which the assistantship will happen, objectives for the assistantship, and expectations in order to fulfill the course objectives. Students are not eligible to receive credit in both the course they assist the instructor with and the teaching assistantship in the same semester. Typically student has previously taken the course prior to enrollment in the assistantship. Course is repeatable for credit.

Fall and Spring.

**GEOG 497. Internship. 1-12 Credits.**

Supervised practical experience in an organization or activity appropriate to a student's career and educational interests. Internships are supervised by faculty members and require periodic student/faculty meetings. Course is repeatable for credit.

P: jr st.

Fall and Spring.

**GEOG 498. Independent Study. 1-4 Credits.**

Independent study is offered on an individual basis at the student's request and consists of a program of learning activities planned in consultation with a faculty member. A student wishing to study or conduct research in an area not represented in available scheduled courses should develop a preliminary proposal and seek the sponsorship of a faculty member. The student's advisor can direct him or her to instructors with appropriate interests. A written report or equivalent is required for evaluation, and a short title describing the program must be sent early in the semester to the registrar for entry on the student's transcript.

P: fr or so st with cum gpa > or = 2.50; or jr or sr st with cum gpa > or = 2.00.

Fall and Spring.

**GEOG 499. Travel Course. 1-6 Credits.**

Travel courses are conducted to various parts of the world and are led by one or more faculty members. May be repeated to different locations.

P: cons of instr & prior trip arr & financial deposit.