# GEOGRAPHY (GEOG)

## GEOG Courses

**GEOG 150. Human Geography.** 4 units
GE Area D3
Term Typically Offered: F, W, SP
The interplay of cultures, places, and environments, with emphasis on diversity and globalization. Topics include characteristics and patterns of human population, migration, ethnicity, agriculture, geopolitics, language, religion, urbanization, industry, and international development. 4 lectures. Fulfills GE D3.

**GEOG 200. Special Problems for Undergraduates.** 1-4 units
Term Typically Offered: TBD
Prerequisite: Consent of department head.
Individual investigation, research, studies, or surveys of selected problems. Total credit limited to 8 units, with a maximum of 4 units per quarter.

**GEOG 250. Physical Geography.** 4 units
Term Typically Offered: F, W
Addresses the origins and patterns of the earth’s diverse assemblage of climates, landforms, biota and soils. A major focus on relationship between human cultures and these earthly environments. 4 lectures. Crosslisted as ERSC/GEOG 250.

**GEOG 270. Selected Topics.** 1-4 units
Term Typically Offered: TBD
Prerequisite: Open to undergraduate students and consent of instructor.
Directed group study of selected topics. The Class Schedule will list topic selected. Total credit limited to 8 units. 1 to 4 lectures.

**GEOG 300. Geography of United States.** 4 units
GE Area D5
Term Typically Offered: TBD
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; completion of one course in GE Area B1 with a grade of C- or better; and completion of GE Area D3.
The population (including origin, ethnicity, migration, and distribution), land utilization, and economic development viewed against the background of the physical environment. Topically and regionally organized. Pervading themes include landscape evolution and alteration, regional cultural distinctiveness, and current problems. 4 lectures. Fulfills GE Area D5.

**GEOG 308. Global Geography.** 4 units
GE Area D5
Term Typically Offered: F, W
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; completion of one course in GE Area B1 with a grade of C- or better; and completion of GE Area D1.
Examination of the major world regions such as Europe, the Middle East, Africa, Asia and Latin America. Focus on the origins and content of contemporary cultural landscapes and on their utility for understanding international differences, interactions, and current events. Particular attention to the relationship between humans and the environment. 4 lectures. Fulfills GE Area D5.

**GEOG 318. Applications in GIS.** 4 units
Term Typically Offered: F, W, SP
Prerequisite: Junior standing and computer literacy.
ArcGIS Desktop Geographic Information System (GIS) computer software to explore environmental, natural resource, social and economic issues using spatial data. Principles of cartography and map interpretation. Development of data base and software management competencies. 2 lectures, 2 laboratories.

**GEOG 325. Climate and Humanity.** 4 units
Term Typically Offered: F
Prerequisite: Junior standing.
Geographic perspective on the interrelationships between climate and human cultures. Effects of people on climate and the influence of climate and weather upon human activities and behavior. Focus on global human conditions which are responsible for the alteration of climate and in turn are vulnerable to climate change. 4 lectures. Crosslisted as ERSC/GEOG 325.

**GEOG 328. Applications in Remote Sensing.** 4 units
Term Typically Offered: F
Prerequisite: GEOG 250 and junior standing.
Introduction to the use of satellite imagery to analyze natural and human features on the earth. Applications in geology, water, climate, vegetation, agriculture, and urban land use. Fundamentals of processing digital satellite images. Emphasis on bridging the earth and social sciences. 3 lectures, 1 laboratory.

**GEOG 333. Human Impact on the Earth.** 4 units
Term Typically Offered: F, W
Prerequisite: Junior standing.
Global assessment of the impact of humans on the earth's vegetation, animals, soil, water and atmosphere. Emphasis on problems stemming from the interactions of human attitudes, technologies, and population with natural resources. 4 lectures. Crosslisted as ERSC/GEOG 333.

**GEOG 340. Geography of California.** 4 units
Term Typically Offered: SP
Prerequisite: Junior standing.
Analysis of the land and people of California from a geographical perspective. Patterns of environment, history, settlement, water, agriculture, ethnicity, economy, politics, and urban growth. Current issues are examined in a national and global context. 4 lectures.

**GEOG 350. The Global Environment.** 4 units
GE Area B7; GE Area F
Term Typically Offered: F, W
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; completion of GE Area B1 with a grade of C- or better in at least one of the courses; and completion of GE Areas B2, B3, and B4.
Interdisciplinary investigation of how human activities impact the Earth's environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/ economic/ historical/political perspectives. Use of remote sensing maps. Sustainable solutions. 4 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350. Fulfills GE Area B7 or GE Area F.
GEOG 370. Geography of Latin America. 4 units
GE Area D5
Term Typically Offered: W
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; completion of one course in GE Area B1 with a grade of C- or better; and completion of GE Area D3.

Geographic analysis of the lands and peoples of Mexico, Central America, the Caribbean, and South America. Patterns of environment, culture, politics, economy, and development. Issues (local, regional, and global) shaping Latin America today, with emphasis on U.S.-Latin America relations. 4 lectures. Fulfills GE Area D5.

GEOG 380. Geography of the Caribbean. 4 units
GE Area D5
Term Typically Offered: TBD
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; completion of one course in GE Area B1 with a grade of C- or better; completion of GE Area D3; and one additional course in GE Area D.

Geographic analysis of the Caribbean including the Greater Antilles, Lesser Antilles, and the Caribbean coasts of Central and South America. Investigates patterns and relationships between the physical and cultural geographies from local, regional, and global perspectives. 4 lectures. Fulfills GE Area D5.

GEOG 384. Professional Preparation for Anthropologists/Geographers. 1 unit
CR/NC
Term Typically Offered: TBD
Prerequisite: Sophomore standing; ANT 201 or GEOG 150.

Preparation for professional advancement in the fields of anthropology and geography. Supervised career planning emphasizing resume development, selection of an internship or international experience, exploration of career options and graduate programs. Lectures from outside, practicing professionals. Credit/No Credit grading only. 1 seminar. Formerly GEOG 464.

GEOG 400. Special Problems for Advanced Undergraduates. 1-4 units
Term Typically Offered: TBD
Prerequisite: Consent of department head.

Individual investigation, research, studies, or surveys of selected problems. Total credit limited to 8 units, with a maximum of 4 units per quarter.

GEOG 408. Geography of International Development. 4 units
Term Typically Offered: W
Prerequisite: GEOG 308.

Detailed analysis of international development from a geographical perspective. Survey of various theories of development and their cultural and ecological components at multiple geographic scales, including institutions and actors involved. Applicable skills for development research and practice, emphasizing sustainability. 4 lectures.

GEOG 414. Global and Regional Climatology. 4 units
Term Typically Offered: TBD
Prerequisite: Junior standing.

The earth's pattern of climates and the physical processes that account for them. Focus on interrelationships between climate and the physical/biological and cultural environments. Special emphasis on modern climate changes and their consequences. 3 lectures, 1 laboratory. Crosslisted as ERSC/GEOG 414.

GEOG 415. Applied Meteorology and Climatology. 4 units
Term Typically Offered: SP
Prerequisite: ERSC/GEOG 250.

Physical processes in the atmosphere that determine regional weather, climate and climate variability. Surface and satellite systems for weather observation, and weather/climate modeling. Dynamics of weather systems, including thunderstorms and hurricanes. Emphases on weather/climate affecting agriculture and other human activities. 3 lectures, 1 activity. Crosslisted as ERSC/GEOG 415.

GEOG 440. Advanced-Applications in GIS. 4 units
Term Typically Offered: SP
Prerequisite: GEOG 318.

Applications in Geographic Information Systems (GIS) emphasizing research, methodologies, and career fields to geography, earth sciences, and the social sciences. 2 lectures, 2 laboratories.

GEOG 455. Anthropology-Geography Research Design and Methods. 4 units
Term Typically Offered: TBD
Prerequisite: Completion of one GE B2 and two upper division ANT or GEOG classes.

Development of knowledge and skills needed to conduct original scientific anthropology-geography research and prepares students for senior projects. Various empirical methodologies highlighted, with a focus on quantitative design and measurement of human culture, biology, behavior, environment and ecology. 3 lectures, 1 laboratory. Crosslisted as ANT/GEOG 455.

GEOG 461. Senior Project I. 2 units
Term Typically Offered: TBD
Prerequisite: Senior standing.

Selection and completion of a project under faculty supervision. Projects typical of problems which graduates must solve in their fields of employment. Project results are presented in a formal report. Minimum 120 hours total time.

GEOG 462. Senior Project II. 2 units
Term Typically Offered: TBD
Prerequisite: Senior standing.

Selection and completion of a project under faculty supervision. Projects typical of problems which graduates must solve in their fields of employment. Project results are presented in a formal report. Minimum 120 hours total time.
GEOG 465. Internship. 3-8 units
CR/NC
Term Typically Offered: TBD
Prerequisite: GEOG 464, senior standing and/or consent of instructor.

Supervised training, research, and work in public and private organizations. Credit/No Credit grading only. Total credit limited to 18 units.

GEOG 470. Selected Advanced Topics. 1-4 units
Term Typically Offered: TBD
Prerequisite: Consent of instructor.

Directed group study of selected topics for advanced students. Open to undergraduate and graduate students. The Class Schedule will list topic selected. Total credit limited to 12 units. 1 to 4 lectures.