

Geography

Geography majors typically take the higher unit value in variable-unit courses.

LOWER DIVISION

GEOG 105. Cultural Geography (3). Analyze selected landscapes, regions, and group characteristics resultant from interaction of human societies with various environments. [GE. DCG-n.]

GEOG 106. Physical Geography (3-4). Global patterns of climate, soils, vegetation. Landform geography. Climate regions defined on basis of physical environmental and agricultural land-use parameters. Geography majors take 4 units. [CAN GEOG 2. GE.]

GEOG 216. Introduction to Mapping Sciences (3). General overview: global positioning systems (GPS), traditional land surveying techniques, coordinate systems, scale, direction, projections, geographic information systems (GIS), cartography, geodesy, remote sensing. Lab fee.

UPPER DIVISION

GEOG 300. Global Awareness (3-4). Analyze current world conflicts and problem areas. Spatial, social, economic, political, and environmental realities. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others. [GE. DCG-n.]

GEOG 301 / ENV 301. International Environmental Issues & Globalization (3). Cross-disciplinary examination of economic development, world regions, population trends, resource exploitation, sustainability, impact of resource extraction in key world locations, and increasing global environmental connectivity, integration, and interdependence. [GE.]

GEOG 304 / ES 304. Migrations & Mosaics (3-4) F. Role of international and internal migrations in shaping American population and society. Full range of ethnic mosaics resulting from the mixing and clashing of diverse cultures. Put own lifeline in national perspective. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others. [GE. DCG-d.]

GEOG 309i. Silk Road (3). A "virtual journey" along the medieval trade route (the Silk Road) that connected Europe with Central, South, and East Asia. Intercultural communication, social scientific analysis, and human integration. Includes field trips to San Francisco's Asian Art Museum, Chinatown, and other venues.

GEOG 311. Geographic Research & Writing (3-4). Overview of discipline and profession. Use of library resources, research tools. Emphases: geographic methodologies, academic writing, presenting with pizzazz. Research paper and presentation on regional topic.

GEOG 316. Computer Cartography (4). Apply color map design principles to GIS and desktop mapping programs. Select appropriate map projections, classification intervals/limits, colors, patterns. Intricacies of generating predictable, press-ready process color composites. [Prereq: GEOG 216 or NRPI 270. Weekly: 3 hrs lect, 3 hrs lab.]

GEOG 322. California (3-4). Spatial interpretation of economic, political, social, and physical forces at work to forge California. Behavioral aspects of processes leading to change. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others.

GEOG 332. Geography of the Mediterranean (3-4). Its role in history and contemporary issues. Emphasis on underlying cultural and ecological unity despite differences of politics, economics, and religion.

GEOG 335. Geography of the Middle East (3-4). Peoples, cultures, landscapes, and political economy. Traditional Islamic civilization; impact of colonialism; contemporary issues.

GEOG 340. Geography of the Pacific Basin (3-4). Peoples, cultures, landscapes, and political economy. Focus on growing integration in recent times. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others.

GEOG 341. Middle America (3-4). Regional analysis of the Caribbean, Mexico, and Central America. Historical and contemporary reasons for current state of unrest.

GEOG 344. South America (3-4). Physical and historical cultural processes that shaped landscapes of South America, excluding Guianas. Role of major cultural groups. Experiences and perspectives of ethnically and culturally diverse peoples of the continent. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others. [DCG-n.]

GEOG 351. Physical Geography Lab (1). Analyze climatic, landform, or biogeographical relationships using maps, remote-sensing imagery, computer simulation, or other modeling techniques. Experiment with problem-solving alternatives. [Prereq: GEOG 106 (or equivalent) and IA. Rep.]

GEOG 352. Regional Climatology (3-4). Nature of world's regional climates; tropospheric and oceanic circulation influence; orographic effects, large-scale weather disturbances. Frequent written exercises. [Prereq: GEOG 106 or equivalent.]

GEOG 353. Mountain Geography (3-4). Mountain environments: origins; typical landforms; weather/climate influences; vegetation stratification; adaptations of animals/plants to altitude; human settlement and economies; cultural barrier

effect; recreational/spiritual attraction.

GEOG 360. Geography of the World Economy (3-4). Organization of economic space. Production levels, locational analysis, economic development, world trade. Focus: globalization of economic processes. Most students will enroll for 3 units. Geography majors enroll for 4 units, with extra class assignments. Optional 4 units for others.

GEOG 361. Settlement Geography (3-4). Geographic patterns of migration and colonization and processes that have shaped them. Regional case studies drawn mainly from areas settled by Europeans and Americans. [Prereq: IA. Rep.]

GEOG 363. Political Geography (3-4). World survey of spatial variation and interrelationships of political phenomena within a political region.

GEOG 364. Urban Geography (3-4). Development, functions, spatial patterns of cities. Emphasis: American city system. Simulation games used as case studies. Intensive writing based on spatial analysis of various scales or places of the urban world.

GEOG 411. Senior Field Research (4). Techniques of field observation, sampling, and analysis using mapping procedures and the interview. Focus on a particular field problem with report writing as part of the experience. [Prereq: GEOG 216 (C), GEOG 311 (C), or IA. Rep. twice.]

GEOG 416. Advanced Cartography Design Seminar (4). Build on fundamentals through cartographic visualization: the map as a tool for both exploring and representing geographic information. Greater depth in cartographic design theory. Discuss weekly readings; complete major map project. [Prereq: GEOG 316. Rep.]

GEOG 426. Cartography Practicum (1-4). Practical mapping experience as a cartographic intern with the Institute for Cartographic Design. Supervised individual and group work experience in mapping sciences. This course is intended for those pursuing advanced cartographic training. Permission of the instructor needed for registration. [Prereq: GEOG 316 and IA.]

GEOG 469. Geography Field Experience (1-4). Particular area analyzed in depth by field observation. Possible areas: California, Mexico, Western Canada, Western Europe, the Northwest. Living/transportation costs borne by student. [Prereq: IA. Rep.]

GEOG 470. Topics in Geography for Teachers (3) F. Prospective teachers develop materials and resources that can be applied in classrooms. Use case studies developed by national and state geographic educational alliances. [Prereq: teacher credential candidate or IA.]

GEOG 471. Topics in Systematic Geography (1-4). Use established methods of geographic inquiry. [Prereq: IA. Rep.]

GEOG 472. Topics in Regional Geography (1-4). Specialized consideration of selected world

regions. [Rep.]

GEOG 473. Topics in Advanced Physical Geography (1-4). Worldwide climatological, landform, and/or water resource situations as they affect human activities on a regional basis. [Prereq: GEOG 106. Rep.]

GEOG 491. Educational Assistance (1-3). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA.]

GEOG 499. Directed Study (.5-4). Selected problems. [Rep.]

GRADUATE

GEOG 690. Thesis (1-3). Guided investigation of research problem culminates in thesis written in compliance with HSU standards. [Prereq: grad standing, IA. Rep.]

GEOG 699. Directed Graduate Study (1-3). Directed study for master's candidates in social sciences wishing to emphasize geography. [Prereq: work in geography equivalent to department's lower division program, plus IA. Rep.]