

Geography

Geography Classes

GEOG 110: Regional Geography of the Pacific Rim

This course provides students with an introduction to geographic concepts and perspectives from both physical and human geography while exploring the five major regions along the Pacific Rim: North America, Central and South America, Australia and Oceania, East Asia, and Southeast Asia. Topics covered include the physical environment, environmental issues, human patterns over time, economic and political issues, and sociocultural issues.

Units: 3

Program: [Geography](#)

GEOG 250: Physical Geography

Physical Geography is the science of the physical environment on Earth. This includes fundamental principles, processes, and perspectives from three major subject areas: (1) atmosphere and weather, (2) biogeography, and (3) geology and landforms. In this field- and laboratory based course, students will gain knowledge, understanding, and appreciation of our planet.

Units: 4

Program: [Geography](#)

GEOG 350: Introduction to Geographic Information Systems

Geographic Information Systems (GIS) is a computer system for storing, managing, and displaying (mapping) the locations and attributes of spatial features. These features can come from any discipline and could represent any human or physical information. Due to its versatility, GIS is used in a wide range of applications such as resource management, city planning, transportation, business, and crime hot spot analysis. This course introduces students to this powerful software through lectures in GIScience and computer labs with ArcGIS.

Units: 4

Program: [Geography](#)

GEOG 400: Advanced Geographic Information Systems

This advanced course provides further instruction in Geographic Information Science and ArcGIS applications. It is geared towards making students more familiar with the geospatial career field through interaction with GIS employers, GIS professionals, and a conference attendance (when possible). Course topics include more in-depth vector and raster data analysis, terrain mapping, viewshed and watershed analysis, spatial interpolation, modeling, and some python programming.

Units: 3

Prerequisites:

GEOG 350 or similar course.

Program: [Geography](#)

GEOG 440: Biogeography

Biogeography is the science of the distribution of plants and animals and the patterns and processes responsible for these distributions. This course introduces students to the discipline of biogeography and its major topics such as island biogeography, speciation and extinction, diversification, and conservation from a more geographical perspective emphasizing large scale patterns through space and time.

Units: 3

Prerequisites:

any BIO, ECOL, EOS, or CHEM course, or consent of instructor.

Program: [Geography](#)