

# GEOGRAPHY (GEOG)

## GEOG C100 3 Units (54 lecture hours)

### World Regional Geography

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

This course covers the physical and cultural features of various regions of the world. It examines the relationship between the physical environment and the cultural, political, and economic development of human societies; the reciprocal impact of human societies upon the environment; and current and potential world problems relating to geographic issues. **C-ID:** GEOG 125.

## GEOG C150 3 Units (54 lecture hours)

### California Geography

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

A study of California's diverse natural, cultural, economic, and human systems. Specific emphasis on geological processes, climate, biogeography, hydrology, migration, and landscapes. Current environmental, social, and economic concerns relating to California geographic concepts are explored. **C-ID:** GEOG 140.

## GEOG C155 3 Units (45 lecture hours; 27 lab hours)

### Introduction to Geographic Information Systems and Techniques with Lab

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

An introduction to the concepts and use of Geographic Information Systems (GIS) and its role in analysis and decision making. Course work is based on the mapping and spatial analysis capabilities of GIS software programs. Students will be introduced to basic cartographic principles, maps, resolution, scale, coordinate systems, vector and raster systems, projections, and Global Positioning Systems (GPS). Through computer lab tutorials and case studies, students will learn to use GIS software to view relationships, patterns, or trends that are not possible to see with traditional charts, graphs, and spreadsheets. Enrollment Limitation: CIS C190; students who complete GEOG C155 may not enroll in or receive credit for CIS C190. **C-ID:** GEOG 155.

## GEOG C165 3 Units (54 lecture hours)

### Introduction to Weather and Climate

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

Introduction to the Earth's atmosphere and processes. Topics include atmospheric structure and composition, solar radiation, energy budget, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, circulation systems, air masses and fronts, weather forecasting, climate, and climate change. **C-ID:** GEOG 130.

## GEOG C170 3 Units (54 lecture hours)

### Map Interpretation and Analysis

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

Introduction to maps, images, and geographic techniques. Technologies include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing, and Geographic Information Systems (GIS) that aid in data collection, analysis, and presentation. **C-ID:** GEOG 150.

## GEOG C180 3 Units (54 lecture hours)

### Physical Geography

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

This course is a spatial study of the Earth's dynamic physical systems and processes. Topics include Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include maps, remote sensing, Geographic Information Systems (GIS), and Global Positioning Systems (GPS). **C-ID:** GEOG 110.

## GEOG C180L 1 Unit (54 lab hours)

### Physical Geography Lab

**Prerequisite(s):** GEOG C180 or concurrent enrollment.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

This course is designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. **C-ID:** GEOG 111.

## GEOG C185 3 Units (54 lecture hours)

### Cultural Geography

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU; UC.

This course is a study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions. Topics include demography, languages, religions, identity, urbanization and landscape modification, political units and nationalism, globalization, and economic systems and development. The course includes a geographic examination of global, regional, national, and local issues and requires students to critically evaluate these issues. At some colleges, this course is referred to as "Introduction to Human Geography." **C-ID:** GEOG 120.