

# COURSES

## GEOGRAPHY COURSES

### GEOG 1 - Introduction to Physical Geography

#### 3 units

This course is a spatial study of the Earth's dynamic physical system and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere with emphasis on spatial characteristics, change over time, interactions between environmental components, and human-environment interactions. Tools of geographic inquiry are also briefly covered; they include maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). 54 hours lecture. AA/AS GE: II, IV. Transfer: CSU, UC; CSUGE: B1; IGETC: 5A; C-ID# GEOG 110, GEOG 115 (if taken with GEOG 1L).

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 1L - Introduction to Physical Geography Laboratory

#### 1 units

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. 54 hours laboratory. AA/AS GE: II. Transfer: CSU, UC; CSUGE: B3; IGETC: 5C; C-ID# GEOG 111, GEOG 115 (if taken with GEOG 1).

**Prerequisite:** GEOG 1 with a minimum grade of C (May be taken concurrently).

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 2 - Cultural Geography

#### 3 units

The course is a study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions. Topics include: demography, languages and religions, urbanization and landscape modification, political units and nationalism, and economic systems and development. 54 hours lecture. AA/AS GE: IV. Transfer: CSU, UC; CSUGE: D5; IGETC: 4E; C-ID# GEOG 120.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 5 - World Regional Geography

#### 3 units

Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. 54 hours lecture. AA/AS GE: IV. Transfer: CSU, UC; CSUGE: D5; IGETC: 4E; C-ID# GEOG 125.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 8 - Introduction to Atmospheric Science

#### 3 units

Introduction to the Earth's atmosphere: topics include atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, weather forecasting, climate and climate change. 54 hours lecture. AA/AS GE: II. Transfer: CSU, UC; CSUGE: B1; IGETC: 5A; C-ID# GEOG 130.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 12 - Geography of California

#### 3 units

A thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface. 54 hours lecture. AA/AS GE: II, IV. Transfer: CSU, UC; CSUGE: B1, D5; IGETC: 4E, 5A; C-ID# GEOG 140.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### GEOG 15 - Introduction to GIS

#### 3 units

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. 54 hours lecture. AA/AS GE: II, IV. Transfer: CSU, UC; CSUGE: D5; C-ID# GEOG 155.

- Credit - Degree Applicable
- Grading Option: Letter Grade