

# GEOGRAPHY (GEOG)

## GEOG G100 3 Units (54 lecture hours)

### World Regional Geography

**Advisory:** Previous completion or concurrent enrollment in ENGL G100.

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

**Transfer Credit:** CSU; UC.

World Regional Geography is an introductory course to geography. It provides an overview of the world using geographic concepts to identify the diversity and similarity of physical and human landscapes in a variety of world regions. Through a spatial approach, World Regional Geography introduces world geographic realms, explores the inter-relationships between human societies and natural environments and provides students with unique perspectives on our changing world. Through the study of physical characteristics, as well as the historic and contemporary (social, economic and political) dynamics of places, students will gain the knowledge to better understand and critically evaluate current cultural and environmental world conditions. This course will increase student's global awareness to become more informed world citizens and consumers. Regional elements covered include major characteristics, population trends, physical geography, cultural geography and how these elements relate to current global issues. Graded or Pass/No Pass. **C-ID:** GEOG 125.

## GEOG G130 3 Units (54 lecture hours)

### Introduction to Weather and Climate

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

**Transfer Credit:** CSU; UC.

This course is an introduction to weather and climate patterns through an examination of the scientific method and Earth's atmosphere and processes including atmospheric composition and structure, solar radiation, energy balances, temperature, seasonality, atmospheric moisture, clouds and fog, precipitation, air pressure and circulation, air masses and fronts, cyclones, weather forecasting, climate, and climate change. Graded or Pass/No Pass option.

## GEOG G180 3 Units (54 lecture hours)

### Physical Geography

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU; UC.

This course is an introduction to the spatial study of the dynamic physical elements and processes of Earth including weather, climate, oceans, water-cycle, earthquakes, volcanoes, rocks, mountains, caves, forests, deserts, vegetation, soils, ecosystems, and biomes. An emphasis on the interrelationship between these and other features of the atmosphere, hydrosphere, lithosphere, cryosphere, and biosphere. Introduction to the scientific method, and geographic tools such as maps and Geographic Information Systems (GIS). Graded. **C-ID:** GEOG 110.

## GEOG G180L 1 Unit (54 lab hours)

### Physical Geography Laboratory

**Prerequisite(s):** GEOG G180 or concurrent enrollment.

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU; UC.

Formerly: GEOG G181. This course is designed to provide supplemental, practical laboratory exercises that correlate to topics covered in Physical Geography G180. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. Graded. **C-ID:** GEOG 111.

## GEOG G185 3 Units (54 lecture hours)

### Human Geography

**Advisory:** Previous completion or concurrent enrollment in ENGL G100.

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

**Transfer Credit:** CSU; UC.

Formerly: GEOG G104 – Cultural Geography. An introduction to geography through a topical study of the patterns of human occupation and land use over the earth's surface and the correlation with the natural environment. Particular emphasis will be given to population, agriculture and landscape, political-economic systems, religion and language, social structures, urbanization, and the environment. Recommended for transfer students majoring in the social sciences, humanities and liberal arts. Graded or Pass/No Pass. **C-ID:** GEOG 120.

## GEOG G190 2 Units (27 lecture hours; 27 lab hours)

### Introduction to Geographic Information Systems

**Advisory:** Previous completion or concurrent enrollment in ENGL G098 and MATH G010 or the equivalent.

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU; UC.

This is an introductory course designed to familiarize students with the technology, capabilities, and functionality of Geographic Information Systems (GIS) and geospatial inquiry. Visualization and analysis of distributions and relationships of physical, social, cultural, and economic features to support decision-making is emphasized. Spatial analysis methods are presented and interactively practiced by students to examine and solve social and scientific problems. Students learn proper techniques for sourcing, manipulating, and managing social and scientific data, making logical queries of that data, measuring and validating results, and then presenting their findings in a professional, constructive manner. Graded. **C-ID:** GEOG 155.