

# GEOGRAPHY (GEOG) COURSES

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## GEOG 100 3 Units

### Map Interpretation and Geospatial Analysis

**Lecture:** 36 contact hours

**Lab:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process.

This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GIS 100).

**Associate Degree Applicable**

**Transfers to CSU only**

**C-ID:** GEOG 150

## GEOG 102 3 Units

### Cultural Geography

**Lecture:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

This course provides an introduction to the interrelationship between people and the environment. It includes population trends, regional analyses, and livelihood patterns. There is an emphasis on historical development, diffusion of agriculture, languages, religions, and urban development.

**Associate Degree Applicable**

**Transfers to both UC/CSU**

**C-ID:** GEOG 120

## GEOG 106 3 Units

### Geographic Perspectives on the Environment

**Lecture:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

This course provides an introductory study of the latest geographic perspectives of critical environmental issues occurring within and across local, regional, national, and global scales. It creates an awareness of the geography of human-environment relationships, in particular how nature and natural resources are defined, contested, distributed, and consumed. Emphasis is on social, political, cultural, psychological, and economic evaluation of natural resources and associated resource management.

**Associate Degree Applicable**

**Transfers to both UC/CSU**

## GEOG 110 3 Units

### Physical Geography

**Lecture:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

Within a human-environment framework, students will review basic physical elements of geography, with emphasis on weather, climate, water, soil, landforms, native animal life and natural vegetation, and their interrelationships and patterns of distribution on a worldwide basis. GEOG 111/GEOG 111H is strongly recommended for students who desire to transfer to CSU/UC. It is recommended that students complete GEOG 111/ GEOG 111H within three years of completing GEOG 110.

**Associate Degree Applicable**

**Transfers to both UC/CSU**

**C-ID:** GEOG 110

## GEOG 111 1 Unit

### Physical Geography Laboratory

**Lab:** 54 contact hours

**Prerequisite/Corequisite:** GEOG 110

This is the laboratory companion for the GEOG 110 physical geography lecture course. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within last three years. Students will apply lecture principles to in-class, hands-on, and field exercises. Students should be prepared to participate in one or more off-campus field exercises.

**Associate Degree Applicable**

**Transfers to both UC/CSU**

**C-ID:** GEOG 111

## GEOG 111H 1 Unit

### Physical Geography Laboratory - Honors

**Lab:** 54 contact hours

**Prerequisite/Corequisite:** GEOG 110

This is the laboratory companion for the GEOG 110 physical geography lecture course. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within last three years. Students will apply lecture principles to in-class, hands-on, and field exercises. Students should be prepared to participate in one or more off-campus field exercises. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.

**Associate Degree Applicable**

**Transfers to both UC/CSU**

**C-ID:** GEOG 111

**GEOG 114 4 Units****Weather and Climate****Lecture:** 54 contact hours**Lab:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

This course covers Earth's atmospheric phenomena, with special reference to causes and regional distribution of weather and climate, both past and present. 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. Emphasis will be given to current environmental topics, including natural and anthropogenic global climate change, air pollution, and global dimming.

**Associate Degree Applicable****Transfers to both UC/CSU****C-ID:** GEOG 130**GEOG 118 3 Units****California Geography****Lecture:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

This course provides 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.

**Associate Degree Applicable****Transfers to both UC/CSU****C-ID:** GEOG 140**GEOG 120 3 Units****World Regional Geography****Lecture:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.

This course provides an introduction to world regional geography, emphasizing the nature of major cultural regions of the world. Through a comprehensive regional analysis, students will learn social structures, religions, languages, political systems, economics, environmental relationships, transportation networks, population dynamics, and urban development across the globe.

**Associate Degree Applicable****Transfers to both UC/CSU****C-ID:** GEOG 125**GEOG 130 3 Units****Introduction to Geographic Information Systems (GIS)****Lecture:** 36 contact hours**Lab:** 54 contact hours

**Advisory:** ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 942.

This course provides an introduction to the fundamentals of Geographic Information Systems (GIS), including the history of automated mapping. The course includes a brief introduction to basic cartographic principles, including map scales, coordinate systems and map projections. GIS hardware and software are explored, as are various applications of GIS technology used in environmental science, business and government. (This course is also offered as GIS 130)

**Associate Degree Applicable****Transfers to both UC/CSU****GEOG 222 1-3 Units****Independent Study in Geography****DIR:** 54 contact hours

Students with previous course work in Geography may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geography. Prior to registration, a written contract must be prepared jointly by the instructor and the student.

**Associate Degree Applicable****Transfers to CSU only**