

GEOGRAPHY

Geography is a multi-disciplinary science of the Earth and how the physical and cultural world interact. Geographers explore the Earth's features and human development patterns, their spatial distribution and movement, and how all these elements integrate. Geography explores where things are located on the surface of the Earth, why they are located where they are, examine human interactions with the environment. The two main branches of geography: physical geography, which focuses on the processes that drive Earth's systems (geologic forces, weather, climate, landforms, water resources, oceans, and their influence on life), and human geography with a human focus (culture, geopolitics, population, built environment, agriculture, language, and religion). Geographic techniques include: field measurement techniques, laboratory methods, and Geographic Information Systems (GIS) (computerized mapping and databases, remote sensing, and global positioning systems). Geography is complimentary to many careers involving the environment, conservation, public safety, business, economics, planning, education, history, international studies, cartography, demography, transportation, tourism, etc.

GEOG R101 Elements of Physical Geography 3 Units

In-Class Hours: 52.5 lecture

C-ID: GEOG 110

This course is an introduction to physical geography as a spatial study which investigates global themes on the interaction of human and physical environmental impacts incorporating the elements of the atmosphere, lithosphere, hydrosphere, and biosphere. Topics include: Climate change; the ozone layer; ecosystem/deforestation; fire, water resources, and environmental hazards; weather events such as tornadoes, hurricanes, and El Niño; geological events such as earthquakes, volcanism, and landslides.

Grade Modes: Letter Graded

Field Trips: May be required

Degree Applicability: Applies to Associate Degree

AA/AS GE: A2

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: B1

IGETC: 5A

GEOG R101L Physical Geography Laboratory 1 Unit

In-Class Hours: 52.5 laboratory

Prerequisites: GEOG R101 or concurrent enrollment

C-ID: GEOG 111, GEOG 115

This laboratory is designed to accompany GEOG R101. It introduces the global physical world, its dynamics and spatial relationships. This lab features observation, measurement and analysis of basic principles and concepts pertaining to Earth's physical systems, including the atmosphere, hydrosphere, lithosphere and biosphere.

Grade Modes: Letter Graded

Field Trips: Will be required

Degree Applicability: Applies to Associate Degree

AA/AS GE: A2

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: B3

IGETC: 5C

GEOG R102 World Regional Geography 3 Units

In-Class Hours: 52.5 lecture

C-ID: GEOG 125

This course introduces the regional approach to the study of human geography and the world's major culture realms. Interpreting the cultural landscape employs the essential concepts in a geographic survey of the world in spatial terms, places and regions, the physical environment, and society and environment interactions. Students will learn to recognize the role that culture plays in incidents of cooperation and conflict in contemporary global, social and economic issues.

Advisories/Rec Prep: READ R095 or ESL R095 and ENGL R097 or ENGL R100 or eligibility for ENGL R101.

Grade Modes: Letter Graded

Field Trips: May be required

Degree Applicability: Applies to Associate Degree

AA/AS GE: B2

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: D

IGETC: 4

GEOG R103 Introduction to Weather and Climate 3 Units

In-Class Hours: 52.5 lecture

C-ID: GEOG 130

An introduction to the Earth's atmosphere, weather prediction, climate change, and the methods employed in analyzing and understanding weather phenomena are investigated in this course. Global changes in climate patterns, human influence on the atmosphere, and the impact of weather events are examined.

Advisories/Rec Prep: READ R095 or ESL R095 and ENGL R097 or ENGL R100 or eligibility for ENGL R101

Grade Modes: Letter Graded

Field Trips: May be required

Degree Applicability: Applies to Associate Degree

AA/AS GE: A2

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: B1

IGETC: 5A

GEOG R104 Geography of California 3 Units

In-Class Hours: 52.5 lecture

C-ID: GEOG 140

This course examines the physical and cultural environments of California's diverse landscapes, including landforms, climate, natural vegetation, natural resources, economic activities and historical settlement in the Golden State. Human settlement patterns in California and the interaction of pre-European California and the post European migration to the State will also be discussed in the course.

Advisories/Rec Prep: READ R095 or ESL R095 and ENGL R097 or ENGL R100 or eligibility for ENGL R101

Grade Modes: Letter Graded

Field Trips: May be required

Degree Applicability: Applies to Associate Degree

AA/AS GE: B2

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: D

IGETC: 4

GEOG R105 Introduction to Human Geography 3 Units*In-Class Hours:* 52.5 lecture*C-ID:* GEOG 120

This course introduces the topical approach to the study of human geography, the characteristics of culture groups, and the distribution and migration of human populations on Earth's surface. Special attention will be given to sustainability and its role in the social construction of spaces and places through the diffusion of religions, languages, food production, geopolitical conflicts and human-environmental interactions.

Grade Modes: Letter Graded**Field Trips:** May be required**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** B2**Transfer Credit:** CSU, UC**UC Credit Limitations:** None**CSU GE-Breadth:** D**IGETC:** 4**GEOG R106 Introduction to Geographic Information Systems 3 Units***Same-As:* GIS R106*In-Class Hours:* 35 lecture, 52.5 laboratory*C-ID:* GEOG 155

This course introduces students to computer-based mapping, Geographic Information Systems (GIS). Spatial data is used as a tool to understand the world by describing and explaining the human relationship to the physical environment. Topics include vector and raster systems, map design, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). The laboratory provides applied, hands-on learning, using spatial analysis and modeling with GIS through the use of computers.

Grade Modes: Letter Graded**Field Trips:** May be required**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU, UC**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**GEOG R198A Geographic Field Interpretation 1 Unit***In-Class Hours:* 52.5 laboratory*Prerequisites:* GEOG R101

This course will apply lecture course material in the field through observations and interpretation of the landscape. Geographic regions will be surveyed to include identification of geomorphic features, biomes and ecotones, and climate variations. Field techniques include basic rock and vegetation identification, mapping, stream flow quantity and quality, and population density. Human impacts will be assessed.

Catalog Notes: Course does not replace GEOG R101L content.**Grade Modes:** Letter Graded**Field Trips:** Will be required**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**GEOG R199 Directed Studies in Geography 1-3 Units***In-Class Hours:* 17.5-52.5 lecture*Prerequisites:* GEOG R101 or GEOG R102

This course is designed to prepare students with existing background knowledge of geographic systems for further studies in Geography. Students will have the opportunity to conduct a research project on a geographic related topic. Project findings will be presented in scientific poster format, video, protocol or research publication.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

- Geography, Associate in Arts for Transfer (<http://catalog.vcccd.edu/oxnard/programs-courses/geography/geography-aat/>)

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