

# GEOGRAPHY

Geography is a dynamic discipline that it is concerned with where things are located on the surface of the Earth, why they are located where they are, and how places are similar and/or different. Geographers further examine our interactions with the environment and how physical and cultural landscapes change through time. There are two main branches of geography:

1. physical geography, which focuses on the processes that drive Earth's climate, create landforms, and govern the distribution of plants and animals; and
2. human geography, which focuses on cultural phenomenon such as population, development, agriculture, language and religion. Geography students are trained to examine the spatial organization of physical features and human activities at a variety of spatial scales from local to global.

A background in geography is a necessity for careers involving business, economics, planning, education, history, international relations, cartography, conservation, GIS, demography, transportation, tourism and others.

## **GEOG V01 Elements of Physical Geography 3 Units**

*In-Class Hours:* 52.5 lecture

*C-ID:* GEOG 110, GEOG 115 = (GEOG V01 and V01L)

This course is a spatial study of planet Earth's dynamic physical systems and processes. Topics include weather, climate, geomorphology, soils, and the biosphere. The emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. Tools of geographic inquiry include maps, remote sensing, graphic data, and models. (may be scheduled on Saturday).

**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 V01L Physical Geography Laboratory 1 Unit**

*In-Class Hours:* 52.5 laboratory

*Prerequisites:* GEOG V01 or concurrent enrollment

*Advisories/Rec Prep:* MATH V01

*C-ID:* GEOG 111, GEOG 115 = (GEOG V01 AND V01L)

This laboratory course is designed to be the hands-on measurement, computational and data analysis portion of the Physical Geography course. By using specific data, either provided by the instructor or generated by the students, activities focus on the detailed aspects and general patterns associated with the hydrosphere, atmosphere, lithosphere and biosphere. Specific activities include: topographic map interpretation/use/preparation, reading/preparing charts and tables, manipulation of numerical data and learning/performing field/laboratory techniques common to the discipline.

**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:** B3

**IGETC:** 5C

## **GEOG V02 Introduction to Human Geography 3 Units**

*Formerly:* GEOG 2

*In-Class Hours:* 105.0 unpaid cooperative

*C-ID:* GEOG 120

This 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. Consideration is given to interrelationships between human activities and the physical environment.

**Grade Modes:** Letter Graded

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** B2, F

**Transfer Credit:** CSU, UC

**UC Credit Limitations:** None

**CSU GE-Breadth:** D

**IGETC:** 4

## **GEOG V05 Introduction to Weather and Climate 3 Units**

*Formerly:* Geog 5

*In-Class Hours:* 105.0 unpaid cooperative

*C-ID:* GEOG 130

This course is a nontechnical study of the earth's atmospheric phenomena: the basic weather elements - temperature, pressure and moisture conditions and the recording of data; investigation into the causes of weather and the world climate patterns.

**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 V06 Geography of California 3 Units***Formerly:* GEOG 6*In-Class Hours:* 105.0 unpaid cooperative*C-ID:* GEOG 140

This course is an introduction to the geography of California—its natural setting of mountains, valleys, deserts and coastline, and how people have adapted to this unique environment. Topics to be examined include weather and climate, agricultural activities, settlement patterns, use of natural resources, industry and manufacturing, and the problems facing California today.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**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 V08 World Regional Geography 3 Units***In-Class Hours:* 105.0 unpaid cooperative*C-ID:* GEOG 125

This course is an introduction to the world's major geographic regions and the environmental issues they face as seen through the lens of modern geographic tools like Global Positioning Systems (GPS) and Geographic Information Systems (GIS). Topics will include: survey of population distribution, cultural patterns, political structures and strife, and economic development; general land use patterns and resource utilization and their correlation with environmental elements including weather, climate, water resources, and landforms; interpretation of maps and other geographic imagery; and an emphasis on geography's uniquely spatial perspective within an interdisciplinary approach.

**Grade Modes:** Letter Graded

**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 V16 Regional Field Studies 1 Unit***In-Class Hours:* 8.75 lecture, 26.25 laboratory*C-ID:* GEOG 160

Field experiences are designed to apply basic geographic concepts and techniques in the study of diverse landscapes and the processes shaping them. The course will cover physical and cultural processes, characteristics, and landscapes of California and the Southwest. Spatial patterns of historic settlement, land use, wild land preservation, industry, economic development, and tourism will also be explored. Students will observe and analyze the geomorphic processes that shape landforms and evaluate the interrelationships between the physical and cultural environment. This course exposes students to the methods and techniques commonly used by geographers while conducting fieldwork. Thematic emphasis will vary depending on location.

**Grade Modes:** Pass/No Pass Grading

**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 V22 Fundamentals of Mapping and Geographic Information Systems 3 Units***Same-As:* GIS V22*In-Class Hours:* 52.5 lecture*C-ID:* GEOG 150

This course provides an introduction to mapping and geospatial technologies. This is the foundation course for the use of GIS software. It covers the history, structure, uses, hardware and software requirements, as well as the basic operations of GIS. It also examines the use of other geospatial technologies (paper and digital maps, aerial photography, remote sensing, and global positioning systems (GPS)). Examples will be presented for the uses of these technologies in a number of fields including business, city planning, natural resource management and scientific research. This course is recommended for anyone who is using or anticipates using any of the many types of data that can be mapped.

**Grade Modes:** Letter Graded

**Field Trips:** May be required

**Credit Limitations:** see counselor.

**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 V26 Introduction to Geographic Information Systems Software 2 Units***Same-As:* GIS V26*In-Class Hours:* 35 lecture*C-ID:* GEOG 155

This course is a hands-on computer-based mapping course covering the elements and procedures of using a Geographic Information Systems (GIS) software package (ArcGIS) to learn GIS concepts. It covers all of the basic concepts and skills needed for operating GIS software including creating and editing digital maps, database access and editing, basic cartographic principles, and introductory GIS analysis. It also reviews various application areas that use GIS.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Credit Limitations:** see counselor.

**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 V28A Geographic Information Systems (GIS): Project Development 1.5 Units**

*Formerly:* GIS V28

*Same-As:* GIS V28A

*In-Class Hours:* 17.50 lecture, 26.25 laboratory

*Advisories/Rec Prep:* GIS V26 or GEOG V26 or equivalent skills

This course is an exploration of various Geographic Information Systems (GIS) techniques and concepts through an active learning approach. Students will define, propose, design, and execute a project that will incorporate GIS skills and knowledge.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** None

**GEOG V28B Geographic Information Systems (GIS): Advanced Project Development 1.5 Units**

*Same-As:* GIS V28B

*In-Class Hours:* 17.50 lecture, 26.25 laboratory

*Advisories/Rec Prep:* GEOG V28A or GIS V28A or significant previous GIS project work

This course is follow up to the project development work done in GEOG/ GIS V28A. Various advanced Geographic Information Systems (GIS) techniques and concepts will be explored through an active learning approach. Students will define, propose, design, and execute a project which will incorporate advanced GIS skills and knowledge.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** None

**GEOG V90 Directed Studies: Geography 1-6 Units**

*Prerequisites:* varies with topic

This course offers specialized study opportunities for students who wish to pursue projects not included in the regular curriculum. Students are accepted only by a written project proposal approved by the discipline prior to enrollment.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** CSU

**UC Credit Limitations:** None

**CSU GE-Breadth:** None

**IGETC:** None

**GEOG V95 Geography Internship I 1-4 Units**

*Corequisites:* enrolled in a minimum of 7 units to include internship

*Advisories/Rec Prep:* completion of or concurrent enrollment in one course in the discipline

This course offers students who are volunteers (unpaid) an opportunity to obtain work experience related to their field of study. Students are accepted as a result of consultation with a designate faculty member in the discipline and the acceptance of an approved work proposal.

**Grade Modes:** Pass/No Pass Grading

**Field Trips:** Will be required

**Credit Limitations:** see counselor. Offered on a pass/no pass basis only.

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** CSU

**UC Credit Limitations:** None

**CSU GE-Breadth:** None

**IGETC:** None

**GEOG V96 Geography Internship II 1-4 Units**

*Corequisites:* enrolled in a minimum of 7 units to include internship

*Advisories/Rec Prep:* completion of or concurrent enrollment in one course in the discipline

This course offers students who are employed in the field an opportunity to expand their work experience related to their field of study. Students are accepted as a result of consultation with a designated faculty member in the discipline and the acceptance of an approved work proposal.

**Grade Modes:** Pass/No Pass Grading

**Field Trips:** Will be required

**Credit Limitations:** see counselor. Offered on a pass/no pass basis only.

**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/ventura/programs-courses/geography/geography-aat/>)