

# GEOGRAPHY (GEOG)

## GEOG 1 • PHYSICAL GEOGRAPHY

**Units:** 5  
**Hours:** 4 lecture, 3 laboratory per week (84 total per quarter)  
**Advisory:** Demonstrated proficiency in English by placement via multiple measures OR through an equivalent placement process OR completion of ESLL 125 & ESLL 249; Intermediate Algebra or equivalent.

**Degree and Credit Status:** Degree-Applicable Credit Course

**Foothill GE:** Area III: Natural Sciences  
**Transferable:** CSU/UC  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Study of the Earth's surface, including the earth's dimensions and systems; atmospheric processes; patterns of climate, vegetation and soils; and features, processes and interactions of land, water and various energy sources. Use of maps for interpretation.

## GEOG 2 • HUMAN GEOGRAPHY

**Units:** 4  
**Hours:** 4 lecture per week (48 total per quarter)  
**Advisory:** Demonstrated proficiency in English by placement via multiple measures OR through an equivalent placement process OR completion of ESLL 125 & ESLL 249.

**Degree and Credit Status:** Degree-Applicable Credit Course

**Foothill GE:** Area IV: Social & Behavioral Sciences  
**Transferable:** CSU/UC  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

The cultural geographic landscape. Study of the human population from origins to the present with an emphasis on the future. Examination of population densities, migrations, and settlements; races, languages, and religions; patterns of land use and major environmental perceptions and problems. Analysis of energy, mineral, and food resources, and how cultures utilize them.

## GEOG 5 • INTRODUCTION TO ECONOMIC GEOGRAPHY

**Units:** 4  
**Hours:** 4 lecture per week (48 total per quarter)  
**Advisory:** Demonstrated proficiency in English by placement via multiple measures OR through an equivalent placement process OR completion of ESLL 125 & ESLL 249.

**Degree and Credit Status:** Degree-Applicable Credit Course

**Foothill GE:** Area IV: Social & Behavioral Sciences  
**Transferable:** CSU/UC  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Introduction to the geography of economic activity; the worldwide distribution and characteristics of agriculture, forestry, fishing, mining, manufacturing, transportation, high technology, and international trade.

## GEOG 10 • WORLD REGIONAL GEOGRAPHY

**Units:** 4  
**Hours:** 4 lecture per week (48 total per quarter)  
**Advisory:** Demonstrated proficiency in English by placement via multiple measures OR through an equivalent placement process OR completion of ESLL 125 & ESLL 249.

**Degree and Credit Status:** Degree-Applicable Credit Course

**Foothill GE:** Area IV: Social & Behavioral Sciences  
**Transferable:** CSU/UC  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Survey of the world's major culture regions and major nations. Physical, cultural, economic features. Emphasis on historical influences on population growth, transportation networks, natural environment, potential, and problems. Location, importance, and impact of the foremost features of countries, states, major cities, rivers, and landform regions.

## **GEOG 11 • INTRODUCTION TO MAPPING & SPATIAL REASONING**

**Units:** 4  
**Hours:** 4 lecture per week (48 total per quarter)  
**Advisory:** This is an introductory level course in the applications of GIST, and assumes no prior knowledge of the discipline; Elementary Algebra or equivalent recommended; not open to students with credit in GIST 11.

**Degree and Credit** Degree-Applicable Credit Course

**Status:**

**Foothill GE:** Area V: Communication & Analytical Thinking

**Transferable:** CSU/UC

**Grade Type:** Letter Grade (Request for Pass/No Pass)

**Repeatability:** Not Repeatable

**Cross-Listed:** GIST 11

Introduction to the fundamental concepts of geospatial technology, including Geographic Information Systems (GIS), Remote Sensing (RS) and Global Positioning Systems (GPS), map reading, and cartography. Exploration of how geospatial technologies are used in addressing human and environmental issues and can promote sustainability.

## **GEOG 12 • INTRODUCTION TO GEOSPATIAL TECHNOLOGY**

**Units:** 4  
**Hours:** 3 lecture, 3 laboratory per week (72 total per quarter)  
**Advisory:** This is an introductory level course in the applications of GIST, and assumes no prior knowledge of the discipline; concurrent or prior enrollment in GEOG 11 or GIST 11 recommended; not open to students with credit in GIST 12.

**Degree and Credit** Degree-Applicable Credit Course

**Status:**

**Foothill GE:** Non-GE

**Transferable:** CSU/UC

**Grade Type:** Letter Grade (Request for Pass/No Pass)

**Repeatability:** Not Repeatable

**Cross-Listed:** GIST 12

Study of geospatial technology, including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis. Application of Geographic Information Systems (GIS) science to spatial data management. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems and georeferencing. Identification and acquisition of spatial data.

## **GEOG 20 • INTRODUCTION TO EARTH SCIENCE**

**Units:** 4  
**Hours:** 4 lecture per week (48 total per quarter)  
**Advisory:** One of the following: ENGL 1A or 1AH or ESLL 26.

**Degree and Credit** Degree-Applicable Credit Course

**Status:**

**Foothill GE:** Non-GE

**Transferable:** CSU/UC

**Grade Type:** Letter Grade (Request for Pass/No Pass)

**Repeatability:** Not Repeatable

An introduction to the essentials of Earth science, including the structure of the Earth and its internal processes, the atmosphere, the hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth, such as the plate tectonics, the rock cycle, the hydrologic cycle, weather, and climate. Topics are aligned with the California State Science Standards for K-12 and will prepare pre-service teachers to teach these subjects.

## **GEOG 70R • INDEPENDENT STUDY IN GEOGRAPHY**

**Units:** 1  
**Hours:** 3 laboratory per week (36 total per quarter)

**Degree and Credit** Degree-Applicable Credit Course

**Status:**

**Foothill GE:** Non-GE

**Transferable:** CSU

**Grade Type:** Letter Grade (Request for Pass/No Pass)

**Repeatability:** Not Repeatable

Provides an opportunity for the student to expand their studies in Geography beyond the classroom by completing a project or an assignment arranged by agreement between the student and instructor. The student is required to contract with the instructor to determine the scope of assignment and the unit value assigned for successful completion. Students may take a maximum of 6 units of Independent Study per department.

## **GEOG 71R • INDEPENDENT STUDY IN GEOGRAPHY**

**Units:** 2  
**Hours:** 6 laboratory per week (72 total per quarter)  
**Degree and Credit** Degree-Applicable Credit Course  
**Status:**  
**Foothill GE:** Non-GE  
**Transferable:** CSU  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Provides an opportunity for the student to expand their studies in Geography beyond the classroom by completing a project or an assignment arranged by agreement between the student and instructor. The student is required to contract with the instructor to determine the scope of assignment and the unit value assigned for successful completion. Students may take a maximum of 6 units of Independent Study per department.

## **GEOG 72R • INDEPENDENT STUDY IN GEOGRAPHY**

**Units:** 3  
**Hours:** 9 laboratory per week (108 total per quarter)  
**Degree and Credit** Degree-Applicable Credit Course  
**Status:**  
**Foothill GE:** Non-GE  
**Transferable:** CSU  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Provides an opportunity for the student to expand their studies in Geography beyond the classroom by completing a project or an assignment arranged by agreement between the student and instructor. The student is required to contract with the instructor to determine the scope of assignment and the unit value assigned for successful completion. Students may take a maximum of 6 units of Independent Study per department.

## **GEOG 73R • INDEPENDENT STUDY IN GEOGRAPHY**

**Units:** 4  
**Hours:** 12 laboratory per week (144 total per quarter)  
**Degree and Credit** Degree-Applicable Credit Course  
**Status:**  
**Foothill GE:** Non-GE  
**Transferable:** CSU  
**Grade Type:** Letter Grade (Request for Pass/No Pass)  
**Repeatability:** Not Repeatable

Provides an opportunity for the student to expand their studies in Geography beyond the classroom by completing a project or an assignment arranged by agreement between the student and instructor. The student is required to contract with the instructor to determine the scope of assignment and the unit value assigned for successful completion. Students may take a maximum of 6 units of Independent Study per department.