

# GEOLOGY (GEOL)

## GEOL C105 3 Units (54 lecture hours)

### General Geology

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

**Transfer Credit:** CSU; UC.

Formerly GEOL C100. A study of the composition and structure of the earth and the internal and external processes that modify the crust and the surface. Rock and mineral formation, geologic hazards, resource discovery and uses will be covered. Graded or Pass/No Pass option. UC Credit Limitations: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units. **C-ID:** GEOL 100.

## GEOL C105L 1 Unit (54 lab hours)

### Geology Lab

**Prerequisite(s):** GEOL C105 with a grade of C or better or concurrent enrollment.

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

**Transfer Credit:** CSU; UC.

Formerly GEOL C141. Laboratory study of basic physical geology. Emphasizes skills needed for identification of minerals and rocks; interpretation of land surface features based on topographic maps; and the understanding of folding, faulting, and rock relationships through interpretation of geologic maps. Graded or Pass/No Pass option. UC Credit Limitations: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units. **C-ID:** GEOL 100L.

## GEOL C106 4 Units (54 lecture hours; 54 lab hours)

### Earth Sciences for Teachers

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU; UC.

A broad-based lecture/laboratory study of introductory Earth Science including geology, oceanography, meteorology, planetary science, and astronomy. Topics are aligned with the California State Science Standards for K-12 and will prepare future teachers to teach these subjects within the California Science Framework. Letter Grade only. UC Credit Limitations: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units. **C-ID:** GEOL 121.

## GEOL C115 3 Units (54 lecture hours)

### California Geology

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

**Transfer Credit:** CSU; UC.

Formerly GEOL C130. The goal of the course is to use the amazing geologic features found in and around California to illustrate the principles of geology. During the course you will develop an overall understanding of geology and then examine specific California regions, learning how and why California has so many geologic wonders. Graded or Pass/No Pass option.

## GEOL C121 3 Units (54 lecture hours)

### Environmental Geology

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

**Transfer Credit:** CSU; UC.

The study of human interactions with the earth's geologic systems, environment, hazards and resources. It will focus on studies of environmental problems associated with soils, water resources and pollution, energy and mineral utilization, coastal erosion, natural geologic hazards, and global atmospheric changes. Principles of sound management of the geologic environment will be emphasized. Graded or Pass/No Pass option. **C-ID:** GEOL 130.

## GEOL C185 3 Units (54 lecture hours)

### Historical Geology

**Advisory:** GEOL C105.

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

**Transfer Credit:** CSU; UC.

An introduction to Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin, and the processes that have influenced paleogeography during the past 4.6 billion years. Graded or Pass/No Pass option. **C-ID:** GEOL 110.

## GEOL C185L 1 Unit (54 lab hours)

### Historical Geology Lab

**Prerequisite(s):** GEOL C185 with a grade of C or better or taken concurrently.

**Advisory:** GEOL C105.

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

**Transfer Credit:** CSU; UC.

The laboratory component to an introduction to Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin, and the processes that have influenced paleogeography during the past 4.6 billion years. Graded or Pass/No Pass option. **C-ID:** GEOL 110 L.