

GEOLOGY (GEOL)

GEOL C105 3 Units (54 lecture hours)

General Geology

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC: UC Credit Limitations: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units.

Formerly GEOL C100. An introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. Graded or Pass/No Pass option. **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: UC Credit Limitations: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units.

Formerly GEOL C141. The laboratory component to General Geology. Identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of tectonic activity. Graded or Pass/No Pass option. **C-ID:** GEOL 100 L.

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

Earth Sciences for Teachers

Grading Mode: Standard Letter

Transfer Credit: CSU; UC: Credit Limitation: GEOL C105, C105L and GEOL C106 combined: maximum credit, 4 units.

An introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. 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. **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. An introduction to the current and historical geology of California, including an investigation of its tectonic processes, geologic structures, rocks and minerals, physiographic provinces, volcanoes, mountains, faults, and natural resources. During the course, students 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. **C-ID:** GEOL 200.

GEOL C161 3 Units (54 lecture hours)

Environmental Geology

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

An introduction to the fundamentals of Environmental Geology including the interactions between and impacts of humans with the environment in a geologic context. Course emphasizes the Earth system and connections between the geosphere, biosphere, atmosphere, and hydrosphere. Graded or Pass/No Pass option. **C-ID:** GEOL 130.

GEOL C162 3 Units (54 lecture hours)

Applied Environmental Geology

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

An introduction to the fundamentals of Environmental Geology including the interactions between and impacts of humans with the environment in a geologic context. Course emphasizes geologic hazards, climate change, and environmental impacts of resource usage. Graded or Pass/No Pass option.

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.