

## Geology

### GEOL 100 Physical Geology

#### 4.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: GEOL 100

An elementary course in the principles of physical geology including identification of rocks and minerals, study and interpretation of topographic and geological maps, and the study of land forms and structures. Includes a local field trip. (Letter Grade or Pass/No Pass)

### GEOL 114 Oceanography

#### 3.0 units

Acceptable for credit: Transfer to UC, CSU

Advisories: ENGL 101 - Freshman Composition: Exposition ; and MATH 311 - Algebra 1

An introduction to the physical and biological aspects of the marine environment, including processes of heat transfer, tides, currents, waves, life in the marine ecosystem, geological processes of shorelines, deep sea geology, plate tectonics, and marine economic resources. Includes field trips to local Coastal areas. (Letter Grade or Pass/No Pass)

### GEOL 131 Geology Of California

#### 3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: GEOL 200

Advisories: ENGL 101 - Freshman Composition: Exposition

An overview of the geologic features and history of California emphasizing an understanding of California's past and present plate tectonic setting, unique landscape features, resources and hazards. (Letter Grade or Pass/No Pass)

### GEOL 141 Environmental Geology

#### 3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: GEOL 130

Advisories: ENGL 101 - Freshman Composition: Exposition ; and MATH 311 - Algebra 1

A study of humankind's scientific, social, and ethical interactions with earth systems. Topics include earth processes, geologic hazards, the earth's renewable and non-renewable resources, and the earth's ability accept the products of human waste. This course is not open to students who have received credit for Environmental Studies 102. (Fall, Spring) (Letter Grade or Pass/No Pass)

### GEOL 189 Independent Projects in Geology

#### 1.0 - 3.0 units

Acceptable for credit: Transfer CSU

Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most discipline. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the

project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit- 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

### GEOL 199A Topics in Geology: CA Deserts

#### 2.0 units

Acceptable for credit: D - Credit - Degree Applicable

A 90 hour field trip which will explore geologic features and geologic history of selected portions of California's deserts. The course is divided into two field trips: first to the Mojave Desert and to Death Valley National Monument (prior to and partly during spring recess), and second to the southern California desert near the Salton Sea and Anza-Borrego State Park (in the latter part of May). (Letter Grade or Pass/No Pass)