

Course Descriptions

GEOGRAPHY

(GEOG)

(Also see Earth Science, Environmental Science, and Oceanography.)

GEOG 001 Physical Geography (3) UC/CSU

This course is a systematic study of the elements of the physical environment (e.g. weather, climate, landforms, water, soil and vegetation), and an analysis of their interrelationships and patterns of world distribution.

GEOG 002 Cultural Elements of Geography (3) UC/CSU

Note: GEOG 001 is not a prerequisite for GEOG 002.

The cultural elements of geography, and their correlation with the physical environment are introduced. Population patterns, cultural diversity, livelihood, settlement, environmental modification and perception are emphasized.

GEOG 007 World Regional Geography (3) UC/CSU

This course provides a geographical survey of the world's major regions with emphasis on those features important to an understanding of current global concerns and problems.

GEOG 015 Physical Geography Laboratory (2) UC/CSU

Corequisite: GEOG 001

This course will introduce the student to the description, analysis, explanation and representation of natural phenomena such as: Earth-Sun relationships; Earth's representation on maps and in air photos; temperature, moisture, and pressure; air masses, fronts, and storms; and landform evolution by tectonic, erosion, and depositional forces.

GEOLOGY

(GEOLOGY)

(Also see Earth Science and Oceanography.)

GEOLOGY 001 Physical Geology (3) UC/CSU

Physical Geology 001 is a 3-unit course that deals with materials that compose our planet Earth and forces and processes that affect it. The course includes a survey of minerals & rocks, a study of plate tectonics, the forces & processes that create volcanoes & earthquakes, how ages of fossils, minerals, and rocks are determined; the work of running and groundwater; basic concepts behind the formation of petroleum, coal & other mineral deposits, and the environmental impact of energy and mineral resources.

GEOLOGY 002 Earth History (3) UC/CSU

This course is an introduction to the geological history of Earth, with emphasis on the evolution of life and landforms. Topics include the evolutionary history of life on Earth, including plants, fish, dinosaurs, mammals, and humans; how Earth processes produce and alter landforms, climate, and

energy and water resources on which humans depend; and significant tectonic events, such as mountain building episodes.

GEOLOGY 006 Physical Geology Laboratory (1) UC/CSU

Prerequisite: GEOLOGY 001 or concurrent enrollment in GEOLOGY 001.

Geology 6 deals with laboratory exercises which aid students in the identification of minerals and rocks (igneous, sedimentary and metamorphic), the interpretation of topographic and geologic maps, the geologic work of running & groundwater, determination of relative and radiometric ages of minerals and rocks, and earthquake analyses that include locating earthquake epicenters and magnitudes.

GEOLOGY 007 Earth History Laboratory 007 (2) UC/CSU

Corequisites: GEOLOGY 002.

This is a laboratory course for Earth History, intended to teach the scientific methods of reasoning and to acquaint students with the fundamental principles of historical geology. Laboratory exercises examine the history of Earth from its origin to the present as interpreted from the fossil record and radiometric dating techniques. Topics include the evolutionary study of fossils, the study of rock types and ancient land forms, and the methods used to determine events in Earth history and reconstruct past environmental conditions. Field trips may be taken. Strongly recommended for the student who is enrolled in or has completed Geology 2.

GEOLOGY 012 Introduction to the Geology of California (3) UC/CSU

This course offers a survey of the geology of California, with emphasis on: physiographic provinces; local rocks and minerals; landforms; geologic and tectonic history; natural hazards such as earthquakes or volcanoes; mineral, energy, and water resources.

GEOLOGY 285 Directed Study – Geology (2) CSU

The course allows students to pursue directed study in Geology on a contract basis with, and under the direction of a supervising instructor.

HEALTH

(HEALTH)

HEALTH 007 Physical Fitness and Nutrition (3) CSU

This course reviews the relationship of physical fitness and nutrition, and how it affects our personal and social development. Students will analyze their personal health and fitness choices and then construct a healthy behavior change plan. Various types of fitness activities and diet choices will be evaluated. The course encourages healthy behavior that enhances physical fitness, disease prevention, weight control, and overall well-being.