

Geology and Geography

Geography (GOG)

GOG-150 Physical Geography 3.0 cr.

Fall. Alt. years. This course will examine major natural systems within our physical environment: climate, vegetation, soils, hydrology, and landforms. Emphasis will be given to analysis of the processes and environmental interactions that shape these systems. Students will develop skills in 1) the collection of both historical and primary data; 2) the utilization of geographic models to explain processes; 3) the complexity and application of maps and mapmaking techniques; 4) examining GIS output as an analytical tool for solving location problems in different scientific fields. (NON-LAB NATURAL SCIENCE)

GOG-152 Cultural Geography 3.0 cr.

Fall. Alt. years. An introduction to the basic cultural elements of geography. Culture can be defined as the total of the knowledge, attitudes, and habitual behavior patterns shared and transmitted by the members of a society. Cultural geography examines how place shapes culture and how cultures shape place. The major themes of cultural geography to be addressed include culture hearths, cultural diffusion, cultural ecology, cultural landscapes, and culture regions. (CULTURAL DIVERSITY NOT NATURAL SCIENCE)

Geology (GOL)

GOL-101 Physical Geology 4.0 cr.

Fall, spring. Physical geology is the study of the materials the earth is made of and the processes that occur both on and beneath the surface. The course heightens awareness of how the earth continually changes, the rates of geologic change, and the finite character of the earth's resources. The course is designed to help students to develop their own views of how human activity impacts geologic processes, and how geologic processes affect human activity. (NATURAL SCIENCE LAB)

GOL-102 Historical Geology 4.0 cr.

Spring. Alt. years. Recommended prereq.: GOL101. Historical geology is the study of the sequence of events involved in the physical evolution of continents and ocean basins. Emphasis will be placed on the growth and development of the North American continent as can be deciphered from the rock and fossil records. (NATURAL SCIENCE LAB)