

# GEOLOGY (G)

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## **G145 Regional Field Geology** 1-3 credits

A field study of significant geologic features of a selected region. The course consists of a field trip arranged to illustrate the geologic setting, stratigraphy and structure, topography, age and origin, significant events through geologic time, and special features unique to the region. Also offered as G0250 for no credit or grade.

This course may be taken 10 times for credit.

Course classification: LDC

## **G146 Geology of Southwestern Oregon** 3 credits (3 lec hrs/wk)

Studies the physical and historical features of southwestern Oregon. Examines the geological setting, age, origin, stratigraphy, structure, and topography of the Coast Range and Klamath Mountain provinces of southwestern Oregon. The major geologic aspects of each city in the region are emphasized.

This course may be taken 1 time for credit.

Course classification: LDC

## **G180 Internship: Geology** 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options

This course may be taken 12 times for credit.

Course classification: LDC

## **G201 Physical Geology I** 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): ( G0250 ) or ( G145 )

A study of the nature of the earth, earth materials and geologic structures, fundamental geologic principles, and physical processes acting within and upon the earth. Laboratory exercises and field trips required.

This course may be taken 1 time for credit.

Course classification: LDC

## **G202 Physical Geology II** 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): ( G0250 ) or ( G145 )

Studies fundamental geologic principles and the natural processes acting within and upon the earth. Examines internal and superficial processes, geologic time and the inter-relationships of people and their natural environment. Laboratory exercises and field trips are required.

This course may be taken 1 time for credit.

Course classification: LDC

## **G203 Historical Geology** 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): ( G0250 ) or ( G145 )

Covers the physical and historical nature of the earth through time. Includes principles of historical geology, geologic time, the sequence of tectonic changes stratigraphic relations paleogeographic environments and major events through time and the progression of life through time. Laboratory exercises and field trips are required.

This course may be taken 1 time for credit.

Course classification: LDC

## **G207 Geology of the Pacific Northwest** 3 credits (3 lec hrs/wk)

Geology of the Pacific Northwest introduces the regional geology of the Pacific Northwest with an emphasis on Oregon geology. The course includes a basic overview of geologic principles, earth materials and development of the geologic history of Pacific Northwest provinces.

This course may be taken 1 time for credit.

Course classification: LDC

## **G221 General Geology** 3 credits (3 lec hrs/wk)

Introduces the physical aspects of geology. Includes rocks and mineral formation and identification, volcanoes, earthquakes, plate tectonics and glaciation. Also includes other gradational processes, other aspects of volcanism, geologic time, a brief survey of prehistoric life and sequence of major events through time. Credit cannot be earned for this course and GS106.

This course may be taken 1 time for credit.

Course classification: LDC

## **G246 Geological Hazards And Natural Catastrophes** 3 credits (3 lec hrs/wk)

The causes and effects of earthquakes, tsunamis, landslides, ground subsidence and collapse, floods, storms, coastal erosion, and volcanic eruptions. The possibilities for prediction and mitigation will be examined, as will the potential for natural hazards in Oregon.

This course may be taken 1 time for credit.

Course classification: LDC

## **G280 CWE: Geology** 1-12 credits (3 lab hrs/wk/cr)

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC