

# GEOLOGY (G)

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## **G145AG Regional Geology Agness Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features of the coast range up and over the Agness Divide and along the Rogue River. 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 G025AG for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145CA Regional Geology Cape Arago Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features along the southern Oregon Coast with stops focused between Cape Arago and Bandon. 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 G025CA for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145CB Regional Geology Cape Blanco Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features along the southern Oregon Coast with stops focused between Cape Blanco and Brookings. 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 G025CB for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145CK Regional Geology Cape Kiwanda Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features along the Oregon Coast with stops focused between Florence and Cape Kiwanda/Pacific City. 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 such as the submerged forest at Neskowin unique to the region. Also offered as G025CK for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145CL Regional Geology Crater Lake Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features of the coast range and Cascades with a focus on stops in and around Crater Lake National Park. 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 G025CL for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145DB Regional Geology Depoe Bay Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features along the Oregon Coast with stops focused between Florence and Depoe Bay. 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 G025DB for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145DU Regional Geology Dunes Field Trip** 1 credit (1 lec hrs/wk)

A lecture in the field to highlight the significant geologic features along the Oregon Coast with stops focused between Coos Bay and Yachats. 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 G025DU for no credit or grade. This course may be taken 1 time for credit. Course classification: LDC

## **G145LB Regional Geology Lava Beds Field Trip** 2 credits (1 lec, 2 lec lab hrs/wk)

A lecture in the field to highlight the significant geologic, cultural and historic features focusing on the area in and around Lava Beds National Monument in northern California. The course consists of a 3 day camping 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 associated with Modoc prehistory and oral traditions, the Modoc War, CCC camp, WWII history, Japanese Internment Camp in Newell, water rights issues, etc. This course is also offered as G025LB for no credit or grade. This course may be taken 1 time 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): ( G025AG ) or ( G025CL ) or ( G025DB ) or ( G145AG ) or ( G145CL ) or ( G145DB )  
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): ( G025DU ) or ( G145CB ) or ( G145DU )

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): ( G025CA ) or ( G025CK ) or ( G025LB ) or ( G145CA ) or ( G145CK ) or ( G145LB )

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)

Prerequisite(s): Instructor consent

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