DESCRIPTION

Geology is the study of the Earth: its composition, structure, history and the processes which shape the Earth. Geologists investigate landscapes and rocks to discover the story of how the Earth formed and developed over geologic time. Geologists examine problems related to earth hazards, resources and environmental quality and then work toward developing corrective measures. Geology coursework is an important part of many college programs.

The G 201, G 202, G 203 courses introduce students to the study of geology while preparing them for further study in the earth science field, include a lab component, and are on the PCC General Education course list. The G 147, G 148, G 184 courses introduce students to specific topics within geology, include a lab component, and are on the PCC General Education course list. The G 207, G 208, G 209 courses introduce students to specific topics within geology and do not include a lab component. The G 160, G 161, G 200A, G 200D, G 200E, G 200F, G 200G field courses use field trips to introduce students to the regional geology of the Pacific Northwest. The independent study course, G 298A, allows students to pursue individualized study and research projects. Geology courses can be taken individually or in any sequence.

G 147. Geology of the National Parks. 4 Credits.
Introduces the regional geology of the Pacific Northwest with emphasis on the Earth, and plate tectonics. Includes a weekly lab. Prerequisite: (WR 115 and RD 115) or IRW 115 and MTH 20 or equivalent placement. Audit available. This course fulfills the following GE requirements: Science, Math, Computer Science/AGS, Science, Math, Computer Science/AS, Science, Math, Computer Science/AAOT, Science, Math, Computer Science/ASOT-B.

G 148. Volcanoes and Earthquakes. 4 Credits.
Introduces basic geologic processes which created park landscapes, and the role of society in creation, maintenance and enjoyment of the national park system. Includes a weekly lab. Prerequisite: (WR 115 and RD 115) or IRW 115 and MTH 20 or equivalent placement. Audit available. This course fulfills the following GE requirements: Science, Math, Computer Science/AGS, Science, Math, Computer Science/AS, Science, Math, Computer Science/AAOT, Science, Math, Computer Science/ASOT-B.

G 160. Geology: Oregon Coast. 2 Credits.
Introduces the relationships between the biology and geology of the Oregon Coast.

G 161. Geology: Great Basin/Cascades. 2 Credits.
Introduces the relationships between the biology and geology of the Great Basin and/or Cascades geographical area. Explores the geologic history of the Great Basin and/or Cascades geographical area and the relationships between geology and the plants and animals of these areas. Includes a four-day field trip to the Great Basin and/or Cascades geographical area for field experience of concepts covered in the lecture portion of the class.
G 208. Volcanoes and Their Activity. 3 Credits.
Covers the origin, activity, products, classification, and hazards of volcanoes. Prerequisite: (WR 115 and RD 115) or IRW 115 and (MTH 58 or MTH 65) or equivalent placement. Audit available. This course fulfills the following GE requirements: Science, Math, Computer Science/AAOT, Science, Math, Computer Science/AS, Science, Math, Computer Science/AAS, Science, Math, Computer Science/AGS.

G 209. Earthquakes. 3 Credits.
Covers the nature and origin of earthquakes, the characteristics of seismic waves, how earthquakes are measured, the hazards of earthquakes, and the historical and geological record of earthquakes. Prerequisite: (WR 115 and RD 115) or IRW 115 and (MTH 58 or MTH 65) or equivalent placement. Audit available. This course fulfills the following GE requirements: Science, Math, Computer Science/AAOT, Science, Math, Computer Science/AAS, Science, Math, Computer Science/AGS, Science, Math, Computer Science/AS.

G 298A. Geology Independent Study. 1-4 Credit.
Provides an opportunity to work independently on an individualized area of study within geology under the sponsorship of geology faculty. Prerequisites: (WR 115 and RD 115) or IRW 115 and MTH 20 or equivalent placement, and Instructor permission.