# G - GEOLOGY

**G148B Volcanoes and Their Activity**
Credits 4 Fall/Spring

**Registration Requirement:** RD090 and WR090, or IECC201R and IECC201W, and MTH020; each with a grade of "C" or better, or placement above the stated course levels.
This is an introductory lab-based course in volcanology, which is a branch of the science of Geology. The student will develop an understanding of the types, origin, activity, products and hazards of volcanoes. The student will be able to examine materials associated with igneous activity both in the lab and in the field. Additionally, the student will have the opportunity to visit major volcanic sites in the Pacific Northwest. Please note, students cannot earn credit for both G148B and G148C.
**Additional Course Fee:** $30.00
**This course fulfills:** Lab Science

**G148C Volcanoes and Their Activity**
Credits 3 Fall

**Registration Requirement:** RD090 and WR090, or IECC201R and IECC201W; and MTH020; each with a grade of "C" or better, or placement above stated course levels.
This is an introductory course in volcanology, which is a branch of the science of geology. The student will develop an understanding of the types, origin, activity, products and hazards of volcanoes. Additionally, the student will have the opportunity to visit major volcanic sites in the Pacific Northwest. Students cannot earn credit for both G148B and G148C.
**Additional Course Fee:** $30.00
**This course fulfills:** Non-Lab Science

**G165 Regional Field Geology**
Credits 3 Summer

**Registration Requirement:** RD090 and WR090, or IECC201R and IECC201W; and MTH020; each with a grade of "C" or better, or placement above stated course levels.
This course consists of an extended field trip to a region of special geologic interest. The trip is arranged to illustrate various geologic characteristics and special features unique to the selected region and includes studies of the topographic and geologic setting and significant events through geologic time. More specifically, lithology, stratigraphy, age and origin of geologic structures and geomorphology are discovered. The course will begin with a mandatory on-campus meeting prior to the field trip and finish with a mandatory on-campus meeting after the field trip. A field notebook is required.
**Additional Course Fee:** $60.00
**This course fulfills:** Lab Science

**G201 Principles of Physical Geology 1**
Credits 4 Fall/Winter

**Registration Requirement:** RD090 and WR090, or IECC201R and IECC201W; and MTH060; each with a grade of "C" or better, or placement above stated course levels. Students are required to attend a field trip listed under "Must Read" for dates. Students who cannot attend due to class or work schedule conflicts must do an alternative project.
This course is designed for both Geology majors and transfer students needing a lab science, and can also be taken by other individuals who desire to gain a better understanding of the Earth. A number of field trips are utilized throughout the year to illustrate geologic concepts utilizing Oregon's and Washington's plentiful geologic history. G201 focuses on the study of mineral formation, origins of rocks and investigation of internal Earth processes as they are related to plate tectonics, mountain building, earthquakes and volcanic activity. Geologic maps and cross-sections are utilized extensively. A field trip is required; see dates in the online schedule. Alternative project required for those who can't join field trip due to work.
**Additional Course Fee:** $30.00
**This course fulfills:** Lab Science

**G202 Principles of Physical Geology 2**
Credits 4 Winter

**Registration Requirement:** G201; or instructor consent.
Principles of Physical Geology is designed for both Geology majors and transfer students needing a lab science. A number of field trips are utilized throughout the year to illustrate geologic concepts utilizing Oregon's and Washington's plentiful geologic history. G202 analyzes the surface processes of weathering and erosion, their interaction with earth materials, and the resulting landforms. These surface processes include weathering, mass wasting, streams, groundwater, wind, waves and glaciers. Topographic maps and the method used in the sciences are utilized extensively.
**Additional Course Fee:** $30.00
**This course fulfills:** Lab Science

**G203 Principles of Historical Geology**
Credits 4 Spring

**Registration Requirement:** G202; or instructor consent.
Principles of Historical Geology is designed for both geology majors and transfer students needing a lab science. A number of field trips are utilized throughout the year to illustrate geologic concepts utilizing Oregon's and Washington's plentiful geologic history. G203 applies principles of plate tectonics and surface processes to interpret Earth's geologic history and to study fossils and examine the changes of life over time. Geologic maps and cross-sections are utilized extensively.
**Additional Course Fee:** $30.00
**This course fulfills:** Lab Science

*Course fees are subject to change. Additional section fees (web, hybrid, etc.) may apply.*