

GEOLOGY (G)

G 147 Violent Earth (3 Credits)

Covers geoscience basics with a focus on historical geology and catastrophic events, including formation of the moon, volcanoes, earthquakes, megafloods, mass extinctions, asteroid impacts, and life itself. Intended for non-science majors.

G 161 Field Geology: Study of Landscape Evolution (3 Credits)

Introduces students to the processes by which landscapes evolve in a field based setting. Learn how to observe the landscape using methods from field sciences such as geology and ecology, and then apply ideas from these sciences to interpret how landscapes change. The course will take place primarily outdoors, including hiking to field sites and camping for an extended period of time.

G 162CV Field Geology: Cascade Volcanoes (4 Credits)

Explores Central Oregon's spectacular volcanic landscape. Meets for lecture followed by all-day field trip to volcanic sites in Central Oregon. Appropriate for non-majors.

G 163 Field Geology: Rivers, Lakes and Springs of Central Oregon (4 Credits)

Exploration of the water bodies and hydrologic cycle of Central Oregon, with emphasis on how water is used by humans. Meets for lecture followed by all-day field trip to sites in Central Oregon. Appropriate for non-majors.

G 169 Field Geology: Exploration of the Pacific Northwest (1 Credit)

Explores locations of geologic interest throughout the Pacific Northwest. Meets for a multi-day overnight field trip to a selected location within a day's drive. Appropriate for non-majors. Repeatable for credit. P/NP grading.

G 199 Selected Topics: Geology (1-6 Credits)

This course is in development.

G 201 Geology I - The Dynamic Earth (4 Credits)

Examines the dynamic Earth through the lens of plate tectonics. Uses a geologic perspective to consider how humans and the geologic world impact each other. First course in sequence. Appropriate for non-majors.

G 202 Geology II - Earth's Surface (4 Credits)

Recommended preparation: G 201.

Examines Earth's dynamic landscapes through the lens of surface processes. Uses a geologic perspective to consider how humans and the geologic world impact each other. Second course in sequence.

G 203 Geology III - Earth History (4 Credits)

Recommended preparation: G202.

Examines Earth's history from an Earth's systems perspective including the geosphere, biosphere, hydrosphere, and atmosphere. Considers how humans and the geologic world impact each other. Third course in sequence.

G 298 Independent Study: Geology (1-6 Credits)

Prerequisites: instructor approval.

Recommended preparation: prior coursework in the discipline.

Individualized, advanced study to focus on outcomes not addressed in existing courses or of special interest to a student. P/NP grading.

G 299 Selected Topics: Geology (1-6 Credits)

Selected Topics in Geology.