

Geology (GEOL)

Courses

GEOL 100. Introduction to Earth Science. 4 Credits.

A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOG 100.

Typically Offered: Fall, Spring.

Same As: GEOG 100/GEOL 100, GEOG 100/GEOL 100.

GEOL 106. The Earth Through Time. 4 Credits.

A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOG 106.

Typically Offered: Spring, even years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106, GEOG 106/GEOL 106.

GEOL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 300. Environmental Earth Science. 4 Credits.

Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOG 300.

Typically Offered: Spring, odd years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 300/GEOL 300.

GEOL 315. Soil Science and Survey. 4 Credits.

A systematic investigation of the morphology, genesis, classification, and field determination of major soil types. Lab work and field analysis are included.

Typically Offered: Fall.

GEOL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 416. Hydrology. 4 Credits.

A study of the properties, occurrence, and movement of water on Earth in relation to the hydrologic cycle. This course covers groundwater, surface water, atmospheric water, and soil water processes. Lab and field work are included.

Typically Offered: Spring, odd years.

Prerequisite: GEOL 100/GEOG 100.

GEOL 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.