



Geography (GEOG)

Courses

GEOG 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 GEOL 100.

Typically Offered: Fall, Spring.

Same As: GEOG 100/GEOL 100.

GEOG 101. Introduction to UAS/UAV. 3 Credits.

This course introduces students to the fundamentals of unmanned aerial systems, including UAS/UAV design, functionality, and applications. Students will explore common uses of UAS/UAVs such as precision agriculture, public safety, communications, aerial filming, resource management, and research. Legal and environmental considerations will be discussed as well as business opportunities and growth areas. The course will also examine future applications of sUAS operations, with an emphasis on commercial and public applications. The course emphasizes operational safety, FAA regulations, ethical considerations, and evolving industry standards.

Typically Offered: Fall.

GEOG 102. Drone Flight Experience. 1 Credit.

This course requires students to complete 20 supervised drone flights to build proficiency in handling, maneuvering, and operating drones under varying conditions. The course provides hands-on training in preflight, post flight, pilot in command responsibilities, spotter responsibilities, and hazard avoidance. Students will gain an understanding of spatial disorientation and become proficient in basic small unmanned aircraft systems operations such as ascent, descent, altitude hold, and directional change. Students will gain experience by demonstrating level flight, horizontal, vertical, circle, and figure-8 patterns. Numerous stage checks will be utilized to ensure student understanding and proficiency in basic operations and maneuvers.

Typically Offered: Fall.

GEOG 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 GEOL 106.

Typically Offered: Spring.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106.

GEOG 107. FAA Part 107 Preparation. 3 Credits.

This course gives students the knowledge needed to earn a Commercial UAS Certificate as outlined in Chapter 14 CFR Part 107 of the Federal Aviation Administration regulations. Topics such as weather, airspace, on and off airport operations, emergency procedures and human factors will be explored in detail.

Typically Offered: Spring.

Prerequisites: GEOG 101 and GEOG 102.

GEOG 111. Survey of Geography. 3 Credits.

A survey of human, regional, political, physical, religious, and social geography of the world. This course will look at the ever changing relationship between human activity and its impact on the geographical landscape. The course will also look at spatial interaction and mapping, the use of natural resources, and socioeconomic development.

Typically Offered: Fall, Spring, Summer.

GEOG 151. Human Geography. 3 Credits.

A non-ethnocentric examination of the geography of human lifestyles and activities and their roles in human-environment interaction.

Typically Offered: Spring.

GEOG 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.

GEOG 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 GEOL 300.

Typically Offered: Spring, odd years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 300/GEOL 300.

GEOG 320. Applied Geography Workshop. 1 Credit.

This course will study applied geographical issues of the world. This course is designed to present field related topics that are new or changing in the discipline of geography.

Typically Offered: On sufficient demand.

GEOG 325. History and Geography of England and Britain. 3 Credits.

A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with HIST 325.

Typically Offered: Spring, odd years.

Same As: GEOG 325/HIST 325.



GEOG 362. Geography of North America. 3 Credits.

A spatial approach to the development of the United States and Canada which stresses changing cultural landscapes and assessing impacts of planning for resource utilization.

Typically Offered: Fall, odd years.

GEOG 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, HIST 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

GEOG 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.

GEOG 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.

GEOG 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON 460 and HIST 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

GEOG 492. Field Experience in Geography. 1-4 Credits.

A flexible requirement providing the opportunity for students to study a variety of environments in the field and to gain experience in outdoor living. A special project or internship may be substituted with department approval.

Typically Offered: Fall, even years.

Repeatable: Up to 4 Credits.

GEOG 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 499. 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.