

Geography (GEG)

Associate Professor Soucek

112 Physical Geography (3)

An introduction to the living and non-living environments of the earth. Topics addressed include the weather and climate, land forms, solar energy, seasons, the hydrologic cycle, biogeography, and natural hazards. Upon successful completion of this course, students will have an understanding of the principles that govern the circulation of the atmosphere, the processes that produce the physical landscape, and the role of both in contributing to the distribution of living things upon the earth. *Offered alternate spring terms.*

112L Physical Geography Laboratory (1)

An introduction to the application of geographic principles, methods, and tools to understanding Earth's systems. The physical elements and processes that comprise our environment will be investigated. This includes energy, water, weather, climate, land forms, animals, and plants. Upon successful completion of this course, students will have an understanding of the physical factors that affect the Earth and contribute to the distribution of living things upon the planet. *Offered alternate spring terms. Must be concurrently enrolled in Geography 112.*

301 Social-Cultural Geography (3)

A course that examines the social, cultural, economic, and political interests and topics of geography. Its content provides integration for all of the social sciences and the necessary spatial and systems viewpoints. **This course fulfills the Cultural Perspectives requirement of the Doane Plan.**

Geology (GEO)

Associate Professor Soucek

Visiting Assistant Professor Ryter

The study of geology, geography, and meteorology examines the physical nature of the Earth, its history and resources. The courses support and enhance majors in other disciplines.

103 Physical Geology (4)

A study of the Earth including earth materials, processes of weathering and erosion, and processes acting to elevate earth surfaces. Lecture and laboratory. Study includes oceanography.

104 Historical Geology (4)

An introduction to paleontology and the geological development of North America. Topics addressed include stratigraphy, vertebrate and invertebrate paleontology, paleobotany, structural geology, plate tectonics and some theoretical aspects of biological evolution as supported by fossils. Lecture and laboratory. (Field trip probable.)

107 Introduction to Meteorology (3)

An introduction to the principles of meteorology. Study of weather, climate, paleoclimate, and instruments used in the field. Work at the Doane College Weather Station may be included in the course. Upon successful completion of this course, students will have an understanding of the principles that govern the circulation of the atmosphere and the short and long term sequences of weather events.

107L Introduction to Meteorology Laboratory (1)

An examination of day-to-day weather events and the circulation of the atmosphere by laboratory demonstrations, exercises, and problem solving. Basic concepts of weather forecasting are introduced. Investigations will include examination of precipitation processes, severe weather, circulation systems, and air pollution. Upon successful completion of this course, students will have an understanding of the physical factors that affect the atmosphere as well as experience analyzing meteorological data and forecasting weather. **Must be concurrently enrolled in Geology 107.**

German (GER)

Associate Professor Reinkordt
Adjunct Instructor Schumacher

The German program is designed to serve a variety of goals. It gives the liberal arts student insight into one of the world's great languages and literatures. It provides an additional marketable skill for majors in several fields, such as business, sociology, psychology, education, and communication. A major in German is required for certification to teach the language in high school.

Requirements for the German Major:

1. Complete 30 credits of German, excluding German 101, 102, 322, 323, 324, and 325.
2. A student **must** earn 12 to 16 credits in German in an approved semester or summer abroad program. The student has the option of earning up to 24 credits for a full year abroad. (*Refer to Off-Campus Study Programs.*)
3. Students seeking certification for teaching German in the public schools must also complete:
 - a. German 322, 323, 324, 325.
 - b. One additional teaching major.
 - c. All requirements listed under the catalog section Secondary Education.

Requirements for the German Minor:

Complete 18 credits of German, excluding German 101, 102, 322, 323, 324, and 325. Advanced students complete 12 credits of German beyond the intermediate level, excluding German 322, 323, 324, 325.