

Geology (GEO)

Associate Professor Souчек

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.

101 Environmental Geology (4)

An examination of how geologic processes and hazards influence human activities. The geologic aspects of earth resources and environmental issues related to water, soils, minerals, and fossil fuels are investigated. Hazards such as earthquakes, landslides, flooding, volcanism, and surface deformation are included. A geologic framework for environmental issues, including rocks and minerals, tectonic processes, and geologic time is provided. Upon successful completion of this course, student will demonstrate an understanding of the structure and dynamism of geology as well as the natural and human-induced changes in geologic systems. *Offered alternate spring terms.*

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.

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)

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,