

# GEOL - GEOLOGY (GEOL)

---

**GEOL U101 Physical Geology 4 Credit Hours**

Methods and procedures of science for interpretation of the earth. The natural processes and their products – the minerals, rocks, fossils, structure and surface forms of the earth are considered. Emphasis is placed on the interplay between hypothesis, experiment, and observable fact which characterize productive physical science. Three class and three laboratory hours per week.

Corequisite(s): GEOL U101L.

**GEOL U101L Physical Geology Lab 0 Credit Hours**

Methods and procedures of science for interpretation of the earth. The natural processes and their products – the minerals, rocks, fossils, structure and surface forms of the earth are considered. Emphasis is placed on the interplay between hypothesis, experiment, and observable fact which characterize productive physical science. Three class and three laboratory hours per week.

Corequisite(s): GEOL U101.

**GEOL U102 Historical Geology 4 Credit Hours**

The practice of geology as an historical science with emphasis on the methods of analysis, nature of the record, and guiding principles that have allowed geologists to decipher the history of the earth. Three class and three laboratory hours per week.

Corequisite(s): GEOL U102L.

**GEOL U102L Historical Geology Lab 0 Credit Hours**

The practice of geology as an historical science with emphasis on the methods of analysis, nature of the record, and guiding principles that have allowed geologists to decipher the history of the earth. Three class and three laboratory hours per week.

Corequisite(s): GEOL U102.

**GEOL U103 Environmental Geology 4 Credit Hours**

Introduction to the science of geology and the major earth cycles with emphasis on the application of geology to environmental issues and earth processes, such as energy resources, water pollution, and geological hazards. Three class and three laboratory hours per week.

Corequisite(s): GEOL U103L.

**GEOL U103L Environmental Geology Lab 0 Credit Hours**

Introduction to the science of geology and the major earth cycles with emphasis on the application of geology to environmental issues and earth processes, such as energy resources, water pollution, and geological hazards. Three class and three laboratory hours per week.

Corequisite(s): GEOL U103.

**GEOL U104 Natural Disasters 3 Credit Hours**

Investigates the geologic aspects of several types of natural disasters (earthquakes, volcanoes, floods, etc.) and emphasizes both impacts of natural hazards and ways of mitigating risk from the hazards. Case studies of specific events are used to highlight the social, economic, environmental and human impacts of natural disasters.

**GEOL U120 Geology of the Southeast 3 Credit Hours**

Investigation of the geological processes responsible for the land forms and natural resources of the southeastern United States. Three class hours per week and field trips are required.

**GEOL U399 Independent Study 1-6 Credit Hours**

Directed research project depending on student interest and needs.

Prerequisite(s): Consent of instructor.