Overview

Geology II: Earth Systems provides undergraduate students seeking licensure or endorsement in secondary science education with an examination of the geosphere, atmosphere, hydrosphere, and biosphere, and the dynamic equilibrium of these systems over geologic time. This course also examines the history of Earth and its life-forms, with an emphasis in meteorology. A prerequisite for this course is Geology I: Physical.

Competencies

▲ Geosphere
   The graduate maps the structure and function of Earth's geosphere for soil utility in the environment.

▲ Atmosphere
   The graduate examines the structure and composition of Earth's atmosphere to distinguish its current atmosphere from historical and other planetary atmospheres.

▲ Meteorology
   The graduate evaluates physical meteorological principles and processes to predict weather patterns and the movement of air masses.

▲ Climate Change
   The graduate analyzes various factors and influences on climate to anticipate long-term effects.

▲ Hydrosphere
   The graduate examines the structure and function of Earth's surface water, ice, groundwater, and oceans to explain global water management.

▲ Earth's History and Life-Forms
   The graduate discusses Earth's history and life-forms to trace physical and biological evolutionary processes on this planet.

▲ Earth's Dynamic Equilibrium
   The graduate analyzes how Earth's systems (i.e., biosphere, geosphere, atmosphere, and hydrosphere) interface and evolve over geologic time to teach biologic, geologic, atmospheric, meteorologic, and hydrologic interaction.
Welcome to Geology II: Earth Systems! In the second course of a two-part series, you will learn in the WGU learning platform, which contains activities with feedback to improve and test your knowledge. From this platform, you will also access your Cengage CourseMate, which contains your e-text, animations, videos, and other resources. You will have an opportunity to explore Earth's systems through hands-on lab experiments. For the best understanding of the concepts, work through each of the readings and learning activities as presented in the modules. Competency in this course is demonstrated by the successful completion of an objective assessment.

If you have not done so within a previous course, you will need to order your Geosciences LabPaq from Hands-On Labs. This LabPaq is a physical shipment and contains equipment and supplies needed to complete science experiments at home. The experiments reinforce the science content and teach laboratory techniques. The cost of the LabPaq is covered by your program lab fee.

Follow these instructions to order the Geosciences LabPaq. If you have ordered and received this LabPaq within a previous course, then there is no need to order another. Delivery of your LabPaq takes about 5–7 business days, so please order your LabPaq 1–2 weeks before starting your course to ensure you will have the supplies you need to complete the experiments. The contents of this LabPaq are used in four courses within your program: General Physics, Geology I: Physical, Geology II: Earth Systems, and Ecology and Environmental Science.

Assessments

- **Pre-Assessment: Geology II: Earth Systems**
  - **Status:** Not Attempted
  - **# of Items:** 59
  - **Time Allotted:** 150 minutes
  - **Code:** PCHO

- **Objective Assessment: Geology II: Earth Systems**
  - **Status:** Not Attempted
  - **# of Items:** 59
  - **Time Allotted:** 150 minutes
  - **Code:** CHO1

A score of Competent or Exemplary is required to pass all assessments. Passing a preassessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information click here.