

# GEOL& 100 : Survey of Earth Science

**Credits** 5

**Quarter Offered** Winter (even year)

A survey of Earth science including topics on rock and mineral characteristics, natural hazards, surface and groundwater environments, marine and continental environments, resources, land-forms, and global climate change. This class may include students from multiple sections. (Natural Sciences, Elective)

**Prerequisites**

Eligibility for both [ENGL& 101](#) and [MATH 90](#)

**Course Outcomes**

Describe and explain the scientific method and the basic terminology, principles, concepts, and theories of Earth science.

Distinguish between the three major rock types and identify common rocks and minerals.

Explain the theory of plate tectonics and outline the geological evidence supporting this theory.

Describe the physical and geological processes that shape the Earth's surface and identify common land forms created by these processes.

Describe and explain the interactions between humanity, geology, and other Earth systems, with a focus on geological and physical hazards, including the consequences of global climate change.