

ESC-EARTH SCIENCE (ESC)

ESC 1000 Earth Science Survey (3 Credits)

Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the Earth system, composed of an atmosphere, hydrosphere, lithosphere, biosphere, and exosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize Earth's connections with humans. Student Learning Outcomes: -Students will use critical thinking to recognize the rigorous standards of scientific theories. -Students will analyze and synthesize Earth science data to draw scientifically valid conclusions. -Students will recognize the different time scales associated with different Earth processes. -Students will effectively describe interactions between humans and the Earth's spheres. -Students will apply their understanding of Earth science principles to complex global and local issues.

General Education, Area V: Natural Sciences