ES-Earth Science Courses

Courses

ES 101. Physical Geology. 3 Hours.
Study of the earth, its materials and natural resources, processes of change, natural hazards to mankind. Lecture. This course, when taken with its corresponding laboratory, meets the Core Curriculum requirements for Area III: Natural Sciences.

ES 102. Physical Geology Laboratory. 1 Hour.
Study of properties and uses of rocks and minerals. Study of landscapes and various types of maps. One laboratory session per week.
Prerequisites: ES 101 [Min Grade: D](Can be taken Concurrently)

ES 103. History of the Earth. 3 Hours.
Interpretation of Earths history through geologic time. Study of life on Earth through the fossil record. Lecture. This course, when taken with its corresponding laboratory, meets the Core Curriculum requirements for Area III: Natural Sciences.

ES 104. History of the Earth Laboratory. 1 Hour.
Sedimentary materials and environments of formation. Fossil identification. Geologic time and principles of age-dating. One laboratory session per week.

ES 105. Physical Geography. 3 Hours.
Atmosphere, weather, climate and climatic regions, and soils.


ES 109. Planet Earth. 3 Hours.
Major topics and problems in modern earth science. Nature of solid Earth and its atmosphere, climatic change, Earths resources, interaction of Earth with sun, and planetary geology. Selected readings and videotapes.

ES 110. The Geography of Alabama. 3 Hours.
The physical geography of Alabama: geologic setting, landscape, climate and weather, soils and vegetation, natural resources.

ES 120. Geology for Engineers. 3 Hours.
The solid earth, the nature of the earths crust, surficial processes.

ES 191. Co-op Work Program. 2-3 Hours.