

EARTH SCIENCE (ERTH)

<p>ERTH 151 Introduction to Physical Geography 4 cr</p> <p>Studies the natural environment from a geographical perspective. Analyzes the distribution and character of environmental elements, including weather, climate, landforms, soils, and vegetation. Examines consequences of human intervention in natural systems. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	<p>ERTH 312 Introduction to Soil Science 4 cr</p> <p>Focuses on soil formation, glacial sediments, chemical and biological soil processes, and soil fertility. Topics of special interest will include sustainable agriculture and permaculture, environmental contaminants, deforestation and erosion, and wetlands. Required laboratory with emphasis on field work.</p> <p>Prerequisite: ENVI 150H or ERTH 151 or ERTH 152</p>
<p>ERTH 152 Introduction to Physical Geology 4 cr</p> <p>Studies the earth, including the origin and types of earth materials, volcanism and crystal deformation, external earth processes and development of landscapes, geological resources, and geological processes as natural hazards. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	<p>ERTH 330 National Parks and Monuments 3 cr</p> <p>Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence.</p> <p>Prerequisite: Completion of Tier II Science and Technology Requirement</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>ERTH 245 Natural Hazards 3 cr</p> <p>Studies natural processes which are hazardous in the context of human activities, including relevant geologic, geomorphic, climatic, and meteorologic phenomena; examines the origin and significance of selected hazards from natural and human perspectives and explores how people underestimate or misjudge risk.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	<p>ERTH 370 River Systems 3 cr</p> <p>Studies streams as environmentally significant landscape features in the context of human activity; examines hydrology and flooding, channelization, flood plains and their land use patterns, water contamination and related ecology.</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>ERTH 270 Weather and Climate 3 cr</p> <p>Examines general meteorological and climatic characteristics through space and time, especially as influenced by temperature, wind, and moisture. Explains atmospheric disturbances at planetary, regional, and local scales.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)</p>	<p>ERTH 500 Independent Study 1-3 cr</p> <p>Independent effort directed to the in-depth study of some aspect of earth science.</p> <p>Prerequisite: Department approval</p> <p>Attributes: Environmental Studies (ENVI)</p> <p>Repeatable: Maximum of 12 credits</p>
<p>ERTH 271 Landforms 4 cr</p> <p>Examines the description, origin, classification, and interpretation of landforms. Analyzes geologic, climatic, and biologic factors as landform controls and shows that certain geomorphic processes are natural hazards. Required laboratory</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	
<p>ERTH 300 Topics in Physical Geography 1-4 cr</p> <p>Analyzes and evaluates selected contemporary problems in Earth Science.</p> <p>Prerequisite: ERTH 151 or ERTH 152 or ERTH 245</p> <p>Attributes: Environmental Studies (ENVI)</p> <p>Repeatable: Unlimited Credits</p>	
<p>ERTH 310 Glacier Systems 3 cr</p> <p>Studies glacier systems as environmentally significant landscape features; examines glacier hydrology, movement, erosional and depositional processes, glacier related landforms, and cold region landscapes. Pays particular attention to climate-glacier relationships and global warming.</p> <p>Prerequisite: ERTH 151 or ERTH 152 or ERTH 271 and junior/senior status</p>	