

EAS: Courses in Earth Sciences

Department of Natural Sciences

EAS 201 Earth Science 4 Cr

A survey of the earth: its interior, landscapes, oceans, and atmosphere. Topics include the principles of uniformitarianism and catastrophism, the dating of past events, the display of information by maps and images, the theories of plate tectonics and evolution, and the Big Bang Hypothesis. Supplemented with laboratory and field studies. Fall semester.

EAS 302 Advanced Earth Science 4 Cr

The basic concepts of stratigraphy and sedimentology, with emphasis on Ice Age and Recent environments and processes. The first half of the course introduces open-channel hydrology, sediment transport, and bedforms; techniques of sample and outcrop description; principles of stratigraphic nomenclature and correlation; geochronology and climate change; and depositional environments. The second half of the course focuses on field studies of stream, delta, glacial, fan, and lake deposits. Prerequisite: CH 101, MA 121 and EAS 201 or GL 101 and PHYS 201, or permission of the instructor. Offered at the discretion of the department.