

EARTH SCIENCE (ESC)

ESC 1210 - Introduction to Earth Science - 2 cr.

An introductory course covering the major principles of Earth science, including geology, oceanography, meteorology, and astronomy. Emphasis will be placed on the interactions between the lithosphere, atmosphere, biosphere, hydrosphere and space, and the forces which drive these systems. Special topics include the impact humans have on the environment and potential solutions. This course provides the basic content and concepts required for elementary teachers as outlined in the Minnesota Teacher Licensure standards. Authentic scenarios as well as lab activities demonstrating basic principles of Earth science will be presented to the student for analysis, allowing students to construct their own meaning of the basic content/concepts presented in the text. Students will also be required to conduct one inquiry-based research project.