

EARTH SYSTEMS (ERTH)

ERTH 101N - Earth Systems Science. 3 Credits.

Earth Systems Science provides a formal introduction to the interacting components of the Earth System, including the solid Earth, oceans, atmosphere, and biosphere, and the interconnectedness of these components with humans. Students will focus on the practices of geoscientific inquiry while exploring content related to the formation of and processes affecting the solid Earth, water, and climate.

Gen Ed Attributes: Natural Science

ERTH 103N - Earth Systems Science Lab. 1 Credit.

Prereq. or coreq., ERTH 101N, GEO 101N, or GEO 103N. The Earth Systems Science lab provides hands-on opportunities for students to practice geoscientific inquiry. Students will examine Earth materials and conduct experiments using models of Earth processes to explore the interconnected components of the Earth system, including the solid Earth, oceans, atmosphere, and biosphere, and the interactions of these components with humans.

Gen Ed Attributes: Natural Science Lab Course, Natural Science

ERTH 191 - Special Topics. 1-18 Credits.

(R-18) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ERTH 194 - Getting to Know Earth, Water, and Climate Science. 1 Credit.

A First-Year Experience seminar for students in Earth, Water, and Climate Science.

ERTH 303N - Weather and Climate. 3 Credits.

Offered spring. Origin, composition, structure, and dynamics of the atmosphere, gas and radiation laws, energy budget and balance, weather elements, North American weather systems, and climate change. To succeed in this course students should have comfort with basic algebra.

Gen Ed Attributes: Natural Science