

Courses currently offered by the Department of Earth and Environmental Sciences

(courses numbered 300 and above are open to senior undergraduates as well as grad students, but Seniors need instructor's written permission; courses 250 and above offer graduate credit, and 200-250 may be taken for graduate credit with permission)

- 100. Environmental Geology.
- 101. The Dynamic Earth.
- 111. Dynamic Earth Laboratory.
- 102. Geological History of the Earth.
- 103. Oceanography.
- 113. Oceanography Laboratory.
- 107. Volcanoes: Impacts on Earth and Society.
- 108. Earth and the Atmosphere.
- 114W. Ecology, Evolution, and Climates through Time.
- 115W. First-Year Writing Seminar (various topics).
- 201. Global Climate Change.
- 202. Earth Systems through Time
- 205. Science, Risk, and Policy.
- 220. Life Through Time.
- 225. Earth Materials.
- 226. Petrology.
- 230. Sedimentology.
- 240. Structural Geology and Rock Mechanics.
- 255. Transport Processes in Earth and Environmental Systems.
- 260. Geochemistry.
- 261. Geomorphology.
- 262. Geochemistry Laboratory.
- 264. Methods in Environmental Geology.
- 272. Early Earth Systems.
- 279. Problems in Sedimentology and Paleobiology.
- 285. Volcanic Processes.
- 289a–289b. Directed Study.
- 291a–291b. Independent Study.
- 292a–292b. Senior Honors Research.
- 310. Earth Fluids.
- 311. Advanced Topics in Earth Materials.
- 3.15 Igneous Petrochemistry and Petrogenesis
- 320. Aqueous Geochemistry.
- 322. Environmental Applications of Geochemical Modeling
- 330. Isotopes and the Environment.
- 325. Environmental Applications of Geochemical Modeling.
- 335. Magmatic Processes and Construction of Earth's Crust.
- 338. Source-to-Sink.
- 362. Macroecology and Biogeography.
- 364. Topics in Macroevolution
- 369. Master's Thesis Research.
- 390. Special Topics and Advanced Techniques in Geology – e.g. present and recent offerings:
 - Structure, Composition, and Properties of Earth Materials
 - Equilibria & Transformations of Earth Materials
 - Marine Geosystems
 - Earth Fluids
 - Paleoecological Methods
 - Sustainability Science
 - Statistical Methods in Earth and Environmental Sciences
 - Paleoclimatology
 - Antarctica

For graduate students, in addition to EES courses, many courses offered by other departments that are useful and relevant to the Earth sciences carry graduate credit. Just a few examples are listed below.

Anthropology

- 207. Environmental Anthropology
- 280. Introduction to GIS and Remote Sensing
- 312. GIS for Anthropology Research

Engineering Civil Engineering-

- 203. Fluid Mechanics
- 210. Water Supply & Wastewater Collection
- 212. Hydrology
- 226. Introduction to Environmental Engineering
- 259. Geographic Information Systems

Environmental Engineering-

- 264. Environmental Assessments
- 270. Environmental Thermodynamics, Kinetics, and Mass Transfer
- 271. Environmental Chemistry
- 273. Environmental Characterization and Analysis
- 276. Groundwater Hydrology
- 312. Pollutant Transport in the Environment

Chemistry

- 220a-220b. Organic Chemistry
- 230. Physical Chemistry
- 231. Biophysical Chemistry

Biological Sciences

- 205. Evolution
- 238. Ecology
- 270. Statistical Methods in Biology

Mathematics

- 204. Linear Algebra
- 208. Ordinary Differential Equations
- 218. Introduction to Probability and Mathematical Statistics

Physics

- 223. Thermal and Statistical Physics
- 227a-227b. Intermediate Classical Mechanics
- 229a-227b. Electricity, Magnetism and Electrodynamics