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.
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
220. Life Through Time.
225. Earth Materials.
226. Petrology.
230. Sedimentology.
255. Transport Processes in Earth and Environmental Systems.
260. Geochemistry.
261. Geomorphology.
262. Geochemistry Laboratory.
279. Problems in Sedimentology and Paleobiology.
289a–289b. Directed 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
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
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