

Applications of Environmental Science

Updated 3/4/20

Definition: These courses apply scientific tools and methods to address environmental challenges. A substantial component of the course must consider interactions between humans and the environment.

The list below has been sorted by department and course number.

BIOL 131 Topics in Ocean Ecology (formerly BIOL 129 changing Ocean Ecosystems)

BIOL 131 Field Natural History

BIOL 131 Introduction to Organisms, Populations & Ecosystems in Physiology

BIOL 224 Plant Geography and Ecology

BIOL 301 Columbian Exchange

BIOL 301 Wildlife Ecology

BIOL 314 Ecology

BIOL 322 Plant Systematics

BIOL 324 Plant Geography and Ecology

BIOL 325 Plant Physiology

BIOL 332 Natural History of Vertebrates

BIOL 412 Coastal Biology

CHEM 243 Modern Chemical Analysis

CHEM 490 Environmental Chemistry & Toxicology

CHEM 490 Environmental Toxicology and Chemistry

CHEM 490 Nanomaterials for Energy, the Environment, and Health

ENST 310 Agro-ecology

ENST 310 Air Pollution and Health

ENST 310 Environmental Health Methods

ENST 310 Ornithology

ENST 311 Field Biology, Tools, Tech & Protocols

ENST 318 Advanced Applications in Geographic Information Systems

ENST 335 Analysis and Management of the Aquatic Environment

ENST 361 Role of Natural Science in Environmental Studies

ENST 362 Principles of Natural Science for Environmental Studies

ERSC 202 Energy Resources

ERSC 204 Global Climate Change

ERSC 208 Environmental Hazards

ERSC 220 Environmental Geology

ERSC 250 Introduction to Arctic Studies

ERSC 320 Hydrogeology

PHYS 114 Climate Change and Renewable Energies

PHYS 314 Energy and Environmental Physics