

ENVIRONMENTAL SCIENCES (ENV-SCI)

Courses

ENV-SCI 5550 Ecotoxicology Credits: 3

This course addresses the fundamentals of ecotoxicology, integrating the sciences of ecology and toxicology. Students will learn the biological basis for pollutant effects on individuals and populations of plants and animals, how pollutant intensity varies as a function of bioavailability, the basics of risk assessment, and how pollutant effects are modified by ecological interactions within communities and ecosystems. The ultimate goal of ecotoxicology is to predict the effects of pollution within an ecological context.

Prerequisites: BIOLOGY 108, CHEM 211, CHEM 212R.