Ecosystems throughout the country are polluted with a variety of toxic chemicals. This course uses the Hudson River as a model to investigate the sources, transport, transformation, toxicities, management strategies, and remediation of polluted ecosystems.

Two boat trips to Hudson River Superfund Sites

Topics Include:

- Geological History and Hydrology of the Hudson River
- Biodiversity in the Hudson River Ecosystem
- History of Contamination of New York Harbor
- Factors Impacting Bioavailability of Organic and Metal Compounds
- Modeling Trophic Transfer of Superfund Chemicals
- Development of Human Health Advisories for Hudson Fishes
- Toxic Effects of PCB's in Hudson River Fishes, Birds and Mammals
- Management of Superfund Sites
- Natural Resource Damage Assessment
- Effects of Climate Change on Toxicities of Contaminants