

PBHL 501: Environmental Health Sciences

Environmental health is the branch of public health that deals with the human health effects of exposure to chemical, physical, biological, and psychosocial agents in the community, workplace, and at home. Environmental health as a discipline includes the fields of medicine and epidemiology as well as ecology and environmental policy. Environmental health scientists focus on recognizing, studying, and mitigating the impacts of chemical, physical, and biological agents as well as on understanding how human behavior and actions (and inactions) impact the environment. The field of environmental health is multidisciplinary and relies on team-science approaches. The course surveys the essential scientific components and control strategies of major environmental health problems.

Learning Objectives

- Understand residential, occupational, and other environmental agents and exposures that can affect human health
- Understand methodologies and approaches for assessing, preventing, controlling, and communicating environmental risks
- Understand subpopulations, such as children and pregnant women, and environmental justice and equity
- Understand informatics approaches for responding to and monitoring environmental health-related disasters and other events
- Understand resources for keeping up with environmental health issues, research, legislation, and regulations

Credits: 3

Class Type: Graduate Course

Program: Public Health