

Public Health BS Environmental - Occupational Health

Program Purpose

Environmental Health

Environmental Health addresses all the physical, chemical, and biological factors external to a person, and all the related factors impacting behaviors. It encompasses the assessment and control of those environmental factors that can potentially affect health. It is targeted towards preventing disease and creating health-supportive environments (WHO, 2011). To learn about the history of environmental health, click [here](#).

Occupational Health

Occupational health refers to the identification and control of the risks arising from physical, chemical, and other workplace hazards in order to establish and maintain a safe and healthy working environment. These hazards may include chemical agents and solvents, heavy metals such as lead and mercury, physical agents such as loud noise or vibration, and physical hazards such as electricity or dangerous machinery (NIEHS, 2011).

Curricular Structure

[Public Health Environmental/Occupational Undergraduate Catalog](#)

Learning Outcomes

Environmental/Occupational Hazards Assessment

Assess the various biological, chemical, and physical hazards of the ambient, indoor, and work environment that can adversely affect human health.

Courses that Contribute: HLTH 322 HLTH 324 HLTH 426 HLTH 428 HLTH 429
Linked to BYU Aims: *Quantitative reasoning, Human knowledge*

Environmental/Occupational Health Interventions

Anticipate, recognize, evaluate and control environmental and occupational hazards.

Courses that Contribute: HLTH 322 HLTH 324 HLTH 426 HLTH 428 HLTH 429
Linked to BYU Aims: *Think soundly, Communicate effectively*

Environmental/Occupational Moral Code and Ethics

Apply moral and ethical principles as they apply to the science of Environmental/Occupational theory and practice.

Courses that Contribute: HLTH 324 HLTH 428
Linked to BYU Aims: *Communicate effectively, Character*

Evidence of Learning

Environmental/Occupational Hazards Assessment

- HLTH 322 Final Exam
- HLTH 324 Control Strategies Project
- HLTH 426 Final Paper
- HLTH 428 Final Exam
- HLTH 429 Final Exam

Environmental/Occupational Health Interventions

- HLTH 322 Final Exam
- HLTH 324 Control Strategies Project
- HLTH 426 Final Paper
- HLTH 428 Final Exam
- HLTH 429 Final Exam

Environmental/Occupational Moral Code and Ethics

- HLTH 324 Control Strategies Project
- HLTH 324 Final Exam
- HLTH 428 Ethics Case Studies

Learning and Teaching Assessment and Improvement

Direct and indirect measures provide necessary data for continuous quality improvement. Data from both direct and indirect measures are collected and analyzed to determine areas of strength and weakness. Results provide important feedback for program improvement.

Assessment information is collected at the end of each winter semester and summer term. Conclusions of assessment findings are made and presented to department faculty for further discussion. Faculty ultimately agree on quality improvement actions to be taken in subsequent semesters.