

# ENVIRONMENTAL & OCCUPATIONAL HEALTH SCIENCE (EOHS)

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## EOHS 502 Health Promotion in the Workplace 3 Hours

Provides specific skills and concepts for worksite health promotion as it pertains to designing, implementing, and evaluating multifaceted health promotion programs in the workplace. Additional skills acquired in this course include financial and marketing strategies, policy development, and effective communication between employer and employee.

*Recent Term(s) Offered: spring 2021; fall 2021; fall 2022; fall 2023*

## EOHS 503 Health Assessment in Workplace 3 Hours

This course presents concepts and teaches skills needed to assess health status at the individual, organizational, and community levels in a workplace wellness environment. Emphasis is placed on, but not limited to, physical and psychological components of health.

*Recent Term(s) Offered: spring 2021; summer 2021; spring 2022; spring 2023*

## EOHS 510 Watershed Management and Science 3 Hours

Watershed management and science including water resources protection, watershed health development and assessment, and environmental and water ethics.

*Recent Term(s) Offered: fall 2022; fall 2023*

## EOHS 546 Environmental & Occupational Health Science

### Internship 3,6 Hours (repeatable max of 6 hrs)

Supervised experience in an organization, facility, industry or business with Environmental, Occupational Health & Safety or Workplace Health Promotion responsibilities (or a combination of those). Assignments individually arranged. Note: Off-campus travel required. Permission of EOHS internship coordinator required.

*Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022; spring 2023; summer 2023; fall 2023*

## EOHS 550 Principles of Occupational Safety and Health 3 Hours

Examines the principles of occupational safety and health in the workplace for controlling hazards, preventing occupational exposures, and improving worker health. Concepts surveyed will include hazards in the workplace, hazard and safety analysis, hierarchy of controls, injury prevention, industrial hygiene, workplace health promotion, and occupational safety and health management.

*Recent Term(s) Offered: spring 2021; fall 2021; fall 2022; fall 2023*

## EOHS 560 Environmental Management and Risk Assessment 3 Hours

Application of environmental management systems, methods, and tools to mitigate threats to environmental and human health. Guide students to understand their role as an environmental health professional working with the public and private sectors in controlling adverse environmental conditions through the competencies of assessment, management, and communication. Application of risk assessment as it relates to human and environmental health.

**Prerequisite(s):** PH 584 or permission of instructor

*Recent Term(s) Offered: spring 2021; spring 2022; spring 2023*

## EOHS 570 Industrial Hygiene 3 Hours (repeatable max of 6 hrs)

Presents contemporary occupational exposure and hazard issues in the workplace. Issues of industrial hygiene and general methods of control are addressed. Note: Field trips required; students responsible for own transportation.

**Prerequisite(s):** EOHS 577 and PH 520

*Recent Term(s) Offered: fall 2021; fall 2022; fall 2023*

## EOHS 571 Air Quality Management 3 Hours

Examines the origins, dispersion, control and effects of air pollution; indoor air pollution; and the history of air quality control management. Provides a balanced account of air quality control regulations including the provisions and implications of the Federal Air Quality regulations, standards, setting, policy implementation and technical and management aspects of air quality control.

**Prerequisite(s):** PH 584 or permission of instructor

**Course Fee:** \$50

*Recent Term(s) Offered: spring 2021; fall 2023*

## EOHS 572 Environmental and Occupational Epidemiology 3 Hours

The course will introduce student to the research approaches for the epidemiologic study of the environmental and workplace hazards.

This course involves the study and reasoning of environmental and occupational epidemiologic study designs, basic and novel methods of characterizing exposures, and techniques for designing epidemiologic studies, and implementing methods to improve the evaluation of research in these fields.

*Recent Term(s) Offered: None*

## EOHS 577 Environmental Toxicology 3 Hours

Toxicological principles and environmental risk assessment with emphasis on routes of exposure, biokinetics, and response to chemical stressors.

*Recent Term(s) Offered: spring 2021; spring 2022; spring 2023*

## EOHS 580 Solid and Hazardous Wastes 3 Hours

Management of solid and hazardous wastes in the environment. Emphasis on regulatory compliance, control and remediation technologies, and environmental pathways.

*Recent Term(s) Offered: spring 2023*

## EOHS 595 Public Health Management of Disasters 3 Hours

Examines the background and history of natural and technological disasters, their characteristics, human health and environmental impacts, and the management activities needed to control them. Provides an overview of federal programs to enhance state and local prevention, preparedness, and public health response to disasters.

**Prerequisite(s):** PH 584 or permission of instructor

*Recent Term(s) Offered: None*