

# 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: fall 2022; fall 2023; fall 2024*

## **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 2022; spring 2023; spring 2024*

## **EOHS 504 Principles of Total Worker Health and Worker Well Being 3 Hours**

Advance understanding of both organizational and individual factors that influence total worker health. Introduce theoretical frameworks, strategies, and principles to promote worker well-being.

*Recent Term(s) Offered: None*

## **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 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

## **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: fall 2022; fall 2023; fall 2024*

## **EOHS 560 Environmental Management 3 Hours**

Application of environmental management systems, methods, and tools to mitigate threats to human and environmental health for compliance with major environmental laws and regulations. Students will explore their role as environmental and occupational health science professionals working with the public and private sectors in controlling adverse environmental conditions through the competencies of assessment, ethics, management, and communication. Application of risk assessment and communication techniques will be addressed as it relates to environmental management for the protection of human and ecosystem health. Air, hazardous waste, and water regulations and compliance will be reviewed.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

## **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.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

## **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.

*Recent Term(s) Offered: fall 2023; fall 2024*

## **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: spring 2024*

## **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 2022; spring 2023; spring 2024*

## **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; spring 2024*

## **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.

*Recent Term(s) Offered: None*

**EOHS 598 Capstone in Environmental and Occupational Health 3 Hours**

Examine, refine, and demonstrate environmental health and/or occupational health and safety competencies. Students gain knowledge and skills in environmental and occupational health practice by working with an interdisciplinary team to solve a real-world environmental and occupational health and safety issue. Each student has the opportunity to apply classroom and practical experience received throughout their MS-EOHS coursework into an integrative experience. Students particularly will gain skills in exposure science, data analytics, advocacy, communication with diverse workforce audiences on contemporary EOHS issue, and improves the articulation of theory to practice through development, composition, and presentation of a research or analytic project on a relevant EOHS topic.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment limited to students with a semester level of Masters Degree.

*Recent Term(s) Offered: fall 2024*