

ENV: HEALTH

Courses

ENV 524. Industrial Hygiene. 3 Credits.

A study of the recognition, evaluation, and control of health hazards in the work environment.
ENV 524 Prerequisite: Successful completion of ENV 530 with minimum grade of C-.

ENV 530. General Environmental Health. 3 Credits.

This course will address the protection of human health from environmental disease agents. Students will learn current issues in environmental risk assessment, air and water pollution, waste management, and workplace health and safety. Students will use this information to communicate effectively the relevant environmental risk to populations they serve. Training and education strategies and the use of instructional resources, including the Internet, will be integrated into the learning experience.
Distance education offering may be available.

ENV 532. Hospital Environment. 3 Credits.

A comprehensive assessment of the environmental health aspects of hospitals, including micro-biologic considerations, environmental hygiene, safety, general sanitation, and administration.

ENV 533. Water Quality and Health. 3 Credits.

An examination of the physical, chemical, and biological characteristics of natural waters and their significance for human health; methods of water treatment and distribution also will be considered.

ENV 538. Ground Water Contamination. 3 Credits.

Provides a qualitative and quantitative examination of the fate, transport, and remediation of contaminants in ground water.

ENV 545. Risk Assessment. 3 Credits.

Provides a qualitative and quantitative examination of hazard, toxicity, and exposure assessment to establish human health and ecological risk from environmental contamination.

ENV 547. Environmental Regulations. 3 Credits.

Provides a fundamental overview of major environmental law principles. Focuses on a wide range of air, waste, water, transportation, and occupational regulations.

ENV 551. Environmental Toxicology. 3 Credits.

A multifaceted investigation of the health problems caused by various toxins and hazards found in the general environment and the workplace. The human body's reactions to environmental toxins; how suspected environmental toxins are experimentally investigated and the specific health effects of critical environmental toxins will be emphasized.
ENV 551 Prerequisite: Successful completion of ENV 530 with minimum grade of C-.

ENV 553. Occupational Safety. 3 Credits.

A study of the practices to reduce safety risks in the work environment through recognition, evaluation, and control of safety hazards.
ENV 553 Prerequisite: Successful completion of ENV 530 with minimum grade of C-.

ENV 570. Emergency Preparedness. 3 Credits.

This course examines the historical, legal, and regulatory framework for dealing with emergencies emphasizing the four phases of emergency management. It addresses emergency preparedness by schools, businesses, communities, and counties for natural disasters, failures of technology (spills, accidents, and explosions), and acts of war or terrorism. The course is designed for professionals in environmental and public health, emergency responders (police, fire, hazmat, and medical), planners, educators, and others who may serve in a leadership capacity.

ENV 581. Special Topics: ENV. 1-3 Credits.

An in-depth study of selected, current topics relevant to the development of environmental health professionals. Specific topics will be noted in the master schedule.
ENV 581 Prerequisite: Successful completion of ENV 530 with minimum grade of C-.
Repeatable for credit.