

## Occupational Health and Safety Course Descriptions

### OHS 1313 Introduction to Health and Safety

This course is an introductory identifying appropriate procedures to minimize or eliminate injuries and illness in the workplace, incorporate job safety analysis (JSA) and appropriate training, and name elements of an effective safety culture.

### OHS 2003 Introduction to Fire Science

This course is the study of the principles of fire protection and fire prevention as they apply to business and industry.

### OHS 1413 Physical Hazards Controls

This course is the study of physical hazards in industry and the methods of workplace design and redesign to control these hazards. Emphasis is placed on the regulation codes and standards associated with the control of physical hazards.

### OHS 2103 OSHA: Construction Industry and Safety Regulations

This course is the study of Occupational Safety and Health Administration (OSHA) regulations pertinent to the construction industry. (Prerequisites: OHS 1313 and 2003)

### OHS 2203 Legal Aspects and Environmental Regulations

This course will provide a foundation for understanding and analyzing today's environmental problems. Discusses environmental systems, human population growth, biodiversity, air and water quality, waste disposal, conservation, pollution, energy, and sustainability. Includes, review of employer's legal responsibilities and proactive measures to ensure compliance with OSHA's General Duty Clause.

### OHS 2303 Introduction to Hazardous Materials and Waste

This course is the study of hazardous waste management issues, programs, regulations, hazards, identification, characterization, storage, disposal, and treatment options. Includes relevant methods associated with hazardous wastes in the corporate, industrial, or municipal setting.

### OHS 2333 Safety Program Training Presentation Techniques

Principles of developing and presenting effective industrial/business training are explored in this course. Emphasis is placed on instructor qualifications and responsibilities, principles of teaching including the use of teaching aids and presentation skills.

### OHS 2403 Principles of Industrial Hygiene

This course introduces basic concepts in threshold limits, dose response, and general recognition of occupational hazards, including sampling statistics, calibration and equipment use. It also provides a study of the control of occupational hazards and sample collection and evaluation methods. (Prerequisites: OHS1313 and 2003; complete gen educ MATH requirement)

### OHS 2413 Ergonomics and Human Factors in Safety

This course is an in-depth study of relationship of human behavior and ergonomics as applied to workplace safety.

### OHS 2423 Safety Program Management

This course examines the major safety management issues that impact the workplace including safety awareness, loss control, regulatory issues and human behavior modification.

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### OHS 2433 Risk Management

This course is the study for developing fundamental elements and techniques for managing an effective safety system, controlling workers' compensation costs, and learning to create a budget for your safety efforts.