

Northwest Arkansas Community College
Standard Course Outline
Science Department

OSHA 2533 Safety and Health Risk Management

Catalog Description: Hazards in the workplace and their relationship to loss of property and/or life are discussed. An introduction to the concepts, principles, and methods of risk analysis, as used in a systematic approach to risk and assessment for workers in business and industry in and the public sector. Performance measurement standards will be stressed such as safety effectiveness measurement scales, inter-modular measures, organic measures and future performance measures. The auxiliary functions of a safety department will be examined and explained.

Prerequisites: There are no prerequisites for the course.

Credit / Contact / Load Hours: 3/3/3

Target Audience & Transfer: Successful completion of this course should prepare students for successful further study in environmental and regulatory science. This is a required course for the Certificate of Proficiency in Safety and Health, the Technical Certificate in Environmental & Regulatory Science, and the Environmental & Regulatory Science AAS Degree.

Student Learning Outcomes: Students completing this course will be able to

- Describe the roles and resources of the safety and health manager.
- Illustrates the development of the Safety and Health function.
- Describe how the Internet allows easy access to vast amount of information in the field of occupational safety and health.
- Apply their understanding of the principles learned to evaluate and solve problems in the field of safety and health management
- Identify and use web based information sources to further their knowledge of safety and health.

Topics:

- Occupational Health and Safety
- Safety and Health Movement, Then and Now
- Accidents and Their Effects
- Theories of Accident Causation
- The OSH Act, Standards, and Liability
- Workers' Compensation
- Ergonomic Hazards
- Stress and Safety
- Mechanical Hazards and Machine Safeguarding
- Falling, Impact, Acceleration, Lifting, and Vision Hazards
- Hazards of Temperature Extremes
- Electric Hazards
- Fire Hazards and Life Safety
- Industrial Hygiene

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