

University of Arkansas - Fort Smith
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General Syllabus

WFL 1183 Occupational Safety

Credit Hours: 3

Lecture Hours: 3

Lab Hours: 0

Effective Catalog: 2018-19

I. Course Information

A. Catalog Description

Provides the fundamental tools necessary to manage a safe work environment; coursework includes the exploration of the safety and health movement in the United States, landmark events, root causes, costs and preventions.

B. Additional Information - None

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Predict a projects' future success based upon criteria given.
2. State the purpose of the OSHA Act and list the functions of OSHA.
3. Describe the OSHA inspection process.
4. Describe the rights and responsibilities under the OSHA Act.
5. Identify the common PPE used in material handling and management.
6. Outline the requirements for general safety standards.
7. Understand the costs of work place accidents and their effect on industry.
8. Develop strategies to implement a safety program.
9. Create and manage a personal safety program.
10. Properly conduct a routine safety inspection.
11. Explain common elements of industrial hygiene.
12. Explain the basic principles and effects of ergonomics.
13. Know the basic principles of electrical and fire safety.
14. Reference and interpret common OSHA regulations.
15. Explain common OSHA regulations.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Communication Skills (written and oral)

Students will demonstrate an understanding of interpersonal communication skills through oral presentations and written assignments.

Analytical Skills

Critical Thinking - Students will reference, interpret and apply various OSHA 29 CFR 1910 safety regulations used in general industrial settings. Students will be prepared to locate, specify and apply appropriate safety standards in industrial work situations.

III. Major Course Topics

- A. Accident Costs
- B. All About OSHA
- C. Worker's Compensation
- D. Ergonomics Hazards and Repetitive Strain Injuries
- E. Stress Hazards
- F. Mechanical Hazards and Machine Safeguarding
- G. Falling and Lifting Hazards with Eye, Head and Foot Protection
- H. Temperature and Pressure Hazards
- I. Electrical and Fire Hazards
- J. Toxic Substances and Confined Spaces
- K. Radiation Hazards
- L. Noise and Vibration Hazards
- M. Automation and Technology Hazards
- N. Blood Borne Pathogens
- O. Environmental Safety and ISO 14000
- P. Violence in the Workplace
- Q. Emergency Preparation
- R. Accident Investigation and Reporting
- S. Promoting Safety