

NorthWest Arkansas Community College

OSHA 2533 --- Safety and Health Risk Management
Standard Course Outline

Catalog Description:

Hazards in the workplace and their relationship to loss of property and/or life. 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 and the public sector. Performance measurement standards will be stressed such as safety effectiveness measurement scales, intermodular measures, organic measures and future performance measures. The auxiliary functions of a safety department will be examined and explained.

Prerequisite:

There are no prerequisites for this course.

Credit hours/ Contact hours/ Load hours:

3/3/3

Required Methods of Instruction:

Majority of instruction will utilize classroom lecture. Student learning will be increased through short videos, overheads and powerpoint presentations, discussion groups, projector slides. Students will actively use the internet to increase knowledge of safety and health Management.

Target Audience & Transfer:

Designed for students majoring in environmental and regulatory science, this course is tailored to the needs of personnel who have safety management responsibilities. This course does not transfer to the University of Arkansas but will transfer to the Missouri Southern with present articulation agreement.

Essential Course Outcomes:

Students completing this course will be able to:

- Describe the significance of environmental safety and ISO 14000.
- Understand how network participation affords a convenient and unobtrusive way for the student to learn.

- Describe how the Internet allows easy access to vast amount of information in the filed of occupational safety and health.
- Understand the roles and professional certifications for safety and health personnel.
- Describe the roles and resources for accident investigation.
- Discuss the development of the Safety and Health movement.
- Discuss the theories of accident causation.
- Explain the OSHAct, standards and liability.
- Discuss an overview of workers' compensation.
- Design and compare various approaches to safety analysis and prevention.
- Discuss and design programs for promoting safety.
- Develop a safety and health training program.
- Discuss ethics and safety .

Higher Order thinking Skills

Apply their understanding of the principles of investigation to comprehend, evaluate and solve problems of a safety and health risk nature. Students will also gain solid strategies for improving an organization's safety and health record.

Information Literacy:

Identify and use information sources to further their knowledge of safety and health risk management.

Academic speaking skills

Each student will develop and present a 15 minute training exercise. Training will be a focus of this professional program and students will develop skills to inform and persuade others of environmental and safety issues as they relate to their jobs. required.

Cultural Awareness:

This course will assist the student in analyzing data relating to theories on the effect of culture, race, gender, and economic status on safety and health attitudes in the workplace.

Required Text(s):

Occupational Safety and Health Asfahl 4th Ed. 1999 ISBN 0-13-895350-3

Topics:

Safety and Health Managers
Introduction to Hazard Analysis
Overview of Hazard Analysis
Assess the Needs for Hazard Analysis
Develop a Hazard Analysis Strategy
Investigate Safety Hazards
Evaluate Hazards in an Organization
Design Effective Solutions
Implement Solutions from Hazard Analyses
Safety Management Tools
OSHA Compliance Strategies
Maintain Safety Results

Required Forms of Assessment:

Students will be given periodic examinations covering selected topics of the course so that
When the course is completed, students will have been tested on all topics set out above.
Each test will contain a critical thinking element to measure the students understanding of
analytical matters and their competency in rational thinking.

Item	Resources	
	Description	Location
BehaviorBased Safety	Video series	EEC 106
Managing Safety Meeting	Video series	EEC 106
Keller Safety Programs	Interactive computer Software	EEC 106
Computers with web access		EEC 106