Occupational Health and Safety (OSH) 1114 Confined Space Entrant, Attendant, Supervisor Awareness and Rescue (.50 Unit)
[formerly Petroleum Technology 95P and Industrial Education Safety (IES) 1114]

Prerequisite: None

Total Hours: 8 hours lecture; 8 hours lab (16 hours total)

Catalog Description: Introduces the hazards associated with entry into spaces defined as confined by Occupational Safety and Health Association (OSHA) standard 1910.146. This course is offered on a Pass/No Pass basis with the option to receive a letter grade. Not open to students with credit in IES 1114.

Type of Class/Course: Degree Credit

Textbook: WESTEC. Confined Space for Entrants and Attendants. WESTEC Energy Publications. unpublished

Additional Required Materials: None

Course Objectives:

By the end of the course the successful student will be able to:

1. distinguish between acceptable entry conditions and hazardous situations,
2. identify the differences between non-permit and permit-required confined spaces,
3. distinguish between acceptable entry conditions and hazardous situations,
4. select the proper personal protective equipment for entry into a confined space,
5. use a confined space entry permit, and
6. interpret atmospheric monitoring results.

Course Scope and Content:

Unit I Descriptions and Definitions
A. Characteristics of a Non-Permit/Permit-Required Confined Space
B. Types and Frequency of Injuries in Confined Spaces
C. OSHA Employer Requirements
D. Functional Responsibilities

Unit II Hazards
A. Isolating the Confined Space
B. Normal Atmospheres and Types of Hazardous Atmospheres
C. Physical Symptoms of Various Atmospheric Hazards

Unit III Making Safe Entries
A. Types and Using Atmospheric Monitors
B. Types of Respirators
C. Other Equipment Used During Confined Space Entries
D. Unusual and Emergency Condition Actions

Lab Content:
1. Donning and doffing set-up and tear-down confined space entry equipment
2. Practice entry and rescue techniques

Learning Activities Required Outside of Class: None

Methods of Instruction:
1. Lecture
2. Discussion
3. Practical exercises and demonstration

Methods of Evaluation:
1. Written final exam
2. Performance observation

Supplemental Data:

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