

Revised by: G. Clarke
Reviewed by: K. Bandy
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C & G Ed approval: March 7, 2019
Board approval: April 10, 2019
Semester effective: Fall 2019

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 unpublished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:

TOP Code:	095670: Indus Occupational Safe Health
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	2: Stand-alone
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class

Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE
Disciplines:	Industrial Safety