

Revised by: G. Clarke
Reviewed by: K. Bandy
Date reviewed: February 19, 2019
Text update: Spring 2019
C&GE approved: March 7, 2019
Board approved: April 10, 2019
Semester effective: Fall 2019

Occupational Safety and Health (OSH) 1115 California Oil Producers Confined Space Entry Training (.25)
[formerly Petroleum Technology 95S and Industrial Education Safety (IES) 1115]

Prerequisite: None

Total Hours: 6 hours lecture; 2 hours lab (8 hours total)

Catalog Description: This course is designed to provide students with a fundamental awareness level understanding of permit-required confined space entry and non-entry rescue in accordance with the California Occupational Safety and Health Act, Title 8, California Code of Regulations, Sections 3203, 3314, 5157, 5158, 6535 and 6536. This course is repeatable. 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 1115.

Type of Class/Course: Degree Credit

Textbook: None

Additional Required Instructional Materials: None

Course Objectives:

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

1. apply and demonstrate the required use of energy control, permits, personal protective equipment, and non-entry rescue techniques necessary to performing permit-required entry of equipment operated in the field by the petroleum industry in California.

Course Scope and Content:

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|----------|----------------------------------|
| Unit I | Air Monitoring Equipment |
| | A. Proper operation |
| | B. Safe atmosphere |
| Unit II | Lockout/Tagout Identification |
| | A. Lock out tag out procedures |
| | B. Electrical lock out / tag out |
| | C. Mechanical lock out / tag out |
| Unit III | Blinding |
| | A. Proper procedure |
| Unit IV | Line breaking |

A. Proper procedure

Unit V Tank/Vessel isolation checklist/job safety plan
 A. Safe work permit (SWP)
 B. Lock out / tag out list
 C. Safety equipment
 D. Personal protective equipment (PPE)

Unit VI Confined space permit
 A. Components of a permit
 B. Permitting process

Unit VII Supplied air systems
 A. Self-contained breathing apparatus (SCBA)
 B. Supplied air respirator (SAR)

Unit VIII Field Exercise

Lab Content:

1. Field demonstration of entry permit use
2. Field demonstration of atmospheric testing and monitoring using equipment, materials, etc
3. Field use of non-entry rescue equipment

Learning Activities Required Outside of Class: None

Methods of Instruction:

1. Lecture
2. In-field group exercises

Methods of Evaluation:

1. Skill observation check-off by the instructor
2. Written Exam

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:	Yes
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE
Discipline:	Industrial Safety