Course Information Form (CIF)

Course Code: PFT 112

Course Title: Occupational Safety and Health

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 15.0701
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 0.5-1.5-1
Credit Hour Distribution:

Lecture: 0.5	Lab: 1.5	Clinical: 0	**Total: 1**

General Course Information

Catalog Description

Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards.

General Course Objectives

- Students will know and understand the OSH act.
- Students will be able to identify common causes of accidents and fatalities.
- Students will be able to demonstrate proper application of standards.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Admission into the Plumbers and Pipefitters Apprenticeship program

Methods of Evaluation

Evaluation methods include a minimum of 4 written exams, 2 quizzes, 2 lab return demonstrations, 1 final written and 1 practical exam.

Instructional Materials and Additional Supplies

OSHA Standards for the Construction Industry

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
General Safety and Health Provisions	1. Develop a safety management program using both management commitment and employee involvement to reduce injuries, illness, and fatalities.	1	0.5	0
Electrical	1. Demonstrate electrical safety requirements that are necessary for the practical safeguarding of employees involved in construction work.	1	2	0
Fall Protection	1. Explain how to prevent workers from falling off, onto, or through working levels, and how to protect them from falling objects.	0.5	2	0
Scaffolding	1. Identify and comply with regulations and general industry requirements for the safe design, erection, and use of scaffolding platforms used in the construction industry.	1	2	0
Stairways and Ladders	1. Specify when stairways and ladders must be provided when used for construction including alteration, repair, and demolition.	0.5	2	0
Material Handling	1. Identify potential hazards in handling, rigging, storage, moving, and disposal of materials used in construction activities.	0.5	2	0
Confined Spaces	1. Explain the nature of hazards involved, the necessary precautions to be taken, and the use of protective and emergency equipment required.	0.5	2	0
Personal Protective Equipment	1. Ensure that protective equipment is provided, used, and maintained in a clean and usable condition whenever necessary due to hazardous conditions in the workplace.	0.5	2	0
Fire Safety	1. Describe the requirements for fire brigades, all portable and fixed fire suppression equipment, fire detection systems, and fire or employee alarm systems.	1	2	0
Excavations	1. Design and construct an adequate protective system which will prevent employees in excavations and trenching operations from cave-ins.	0.5	3	0
Cranes, Derricks, Hoists, Elevators, and Conveyors	1. Specify the requirements, specifications, and limitations applicable to the operation of any and all cranes, derricks, hoists, elevators, and conveyors.	0.5	3	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
7.5	22.5	0