

ATPT-1320: SAFETY STANDARDS FOR CONSTRUCTION (OSHA-10)

Cuyahoga Community College

Viewing: ATPT-1320 : Safety Standards for Construction (OSHA-10)

Board of Trustees:

October 2020

Academic Term:

Fall 2021

Subject Code

ATPT - Appld Indus Tech - Painting

Course Number:

1320

Title:

Safety Standards for Construction (OSHA-10)

Catalog Description:

General instruction for occupational safety and health, including safety rules for fall protection, electrical work, scaffolding, ladders, confined spaces, personal protective equipment, and other trade-related safety procedures. OSHA-10 certification will be completed.

Credit Hour(s):

3

Lecture Hour(s):

3

Requisites

Prerequisite and Corequisite

Admission to Painters and any Applied Industrial Technology program, or departmental approval.

Outcomes

Course Outcome(s):

Follow general safety rules and procedures for working on a construction site.

Objective(s):

1. Explain the functions and operations of OSHA, ANSI, and other regulatory agencies.
2. Identify employer and employee responsibilities in training and at the job site and explain general safety work rules.
3. Describe and demonstrate the proper use of stilts, ladders, scaffolds, electrical equipment, and other painter related trade activities.
4. Identify and demonstrate use of personal protective equipment (i.e. respiratory protection, hearing conservation).

Course Outcome(s):

Complete OSHA-10 certification.

Objective(s):

1. Identify common safety and health hazards found on construction sites.
2. Discuss methods for avoiding/preventing common safety and health hazards when working on a construction site.
3. Demonstrate proper use of lock out/tag out procedures
4. Explain guidelines for safe forklift operation.
5. Discuss safety guidelines for working in confined spaces.
6. Discuss safety guidelines for working with scaffolding and ladders, including fall protection procedures.

Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom participation
4. Demonstration of project assignments

Course Content Outline:

1. Authorities and jurisdictions
2. Regulations and standards
 - a. Workers Compensation Board (WCB)
 - b. Workplace hazardous materials information systems: U.S. Department of Labor (USDOL)
 - c. American National Standards Institute (ANSI)
 - d. OSHA manuals 1926 Construction/1910 General Industry
3. Employer/employee responsibilities
 - a. Training, instruction, and programs
 - b. Job site
4. General safety rules and procedures
 - a. Personal safety
 - b. Machinery, tools, and equipment
 - c. Stilts
 - d. Ladders
 - e. Scaffolds
 - f. Electrical safety
 - g. Trade related safety precautions
 - h. Trade related injuries
5. OSHA-10
 - a. Introduction
 - b. Electrical
 - c. Fall protection
 - d. Fork lift and material handling
 - e. Confined space
 - f. Hazardous communication
 - g. Scaffolding/ladders
 - h. PPE/respiratory protection/hearing conservation
 - i. Lock out/tag out
 - j. Slips-trips-and falls

Resources

International Brotherhood of Painters and Allied Trades Joint Apprenticeship and Training Fund. "Safety Overview A Curriculum for Members of The International Brotherhood of Painters and Allied Trades"

Occupational Safety and Health Administration, United States Dept. of Labor. "Occupational Safety and Health Standards for the Construction Industry"

International Brotherhood of Painters and Allied Trades Joint Apprenticeship and Training Fund. "Safe Work Practices Two"
