

SOUTHEAST COMMUNITY COLLEGE
CONSTRUCTION MANUFACTURING AND TECHNOLOGY DIVISION
Plumbing Technology Program
Revision Date: August 21, 2023

I. CATALOG DESCRIPTION

Course Number: PLMB1125
Course Title: Plumbing Safety
Prerequisite(s): None
Catalog Description: A review of OSHA policies, procedures, and standards as applied to the plumbing industry. Students will complete the OSHA 30-Hour Construction Industry training.
Credit Hours: 1
Class Hours: 15
Lab Hours: 0
Total Contact Hours: 15

II. COURSE OBJECTIVES: *Course will:*

- A. Prepare the student to pass the OSHA 30 safety course.
- B. Explain safe practices as it relates to the plumbing industry for tools, equipment, and lifts.
- C. Explain the methods of maintaining a safe work environment.
- D. Show different types of fall protection.
- E. Display types of first aid and how to report and fill out an accident form.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Recognize safe practices in a work environment per OSHA's regulations.
 - 2. Identify the purpose of knowing safe practices and first aid.
 - 3. Know how to set up ladders and scaffold in the correct manner.
 - 4. Recognize how to follow the OSHA 30 requirements.
 - 5. Recognize quality and proper workmanship done in a safe manner.
 - 6. Complete the OSHA 30 Test and receive their certification.
- B. General Education Learning Outcomes (GELOs)
 - 1. GELO #3: Critical Thinking & Problem Solving
Outcome 1: Collect, identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE

- A. Introduction to OSHA-part 1
- B. Introduction to OSHA-part 2
- C. Start Safe, Stay Safe
- D. Material handling, hand and power tools
- E. Excavations
- F. Health hazards
- G. Caught-in or Between
- H. Electrical Safety, Lock-out Tag-out

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s): None
- B. Other Resources: Plumbing Class Books, Handouts, PowerPoints, UPC 2012 online

VI. METHODS OF PRESENTATION/INSTRUCTION

- A.** Methods of presentation typically include a combination of the following:
- 1.** Online course modules
 - 2.** PowerPoints
 - 3.** Online practice quizzes and study guides

VII. METHODS OF EVALUATION

- A.** Follow the directions in the online course and proceed after you have reached each qualification. You get 3 attempts to pass each quiz and the final exam. If you do not pass in 3 attempts, you will have to start over.