

Course discipline/number/title: FST 1550: Plumbing Lab

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 4
3. Prerequisites (Course discipline/number): FST 1530
4. Other requirements: None
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: This course provides actual plumbing situations that will be encountered and students will solve plumbing installation problems. Other activities include using pipe, wrenches, identifying different types of pipe and fittings, and establishing proper draining. Recommended Entry Skills/Knowledge: High School Diploma or GED.

C. DATE LAST REVISED (Month, year): December, 2021

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Plumbing Shop Safety
2. Use of Tools
3. Soldering
4. Various Pipe types
5. Portable Water
6. Drainage Waste and Vent piping
7. Pipe Hanging

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Use power-threading tool.
2. Make various pipe nipples.
3. Operate hand threader (Drop Head Die).
4. Use various plumbing tools.
5. Fabricate pipe joints.
6. Identify various pipe and fittings.
7. Install potable water system.
8. Install water closet.
9. Install vent systems.
10. Demonstrate shop safety rules.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Exams
2. Projects

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s) Communication. Students will communicate appropriately for their respective audiences.

Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

Personal and Professional Accountability. Students will take responsibility as active learners for achieving their educational and personal goals.

I. SPECIAL INFORMATION (if any):

1. Hazardous materials