MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Collegewide Curriculum Committee.

DEPT. Plumbing COURSE NO. PLMB 1145

COURSE TITLE Plastic Installation

CATALOG DESCRIPTION: This course will develop the students ability to install plastic piping for the plumbing industry. The student will install, draw isometrically, and price materials used in the installation.

AUDIENCE Plumbing students who want to increase their knowledge of the installation of plumbing.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)

Area : by meeting the following competencies:
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PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: none

LENGTH OF COURSE: 1 lecture, 4 lab hours per week for 16 weeks

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ fall ☐ spring X summer ☐ undetermined ☐

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: This course is designed to serve as an understanding level of many of the processes to be learned in the plumbing trade.
2) THINKING SKILLS: The student will accurately perform projects related to plumbing.
3) COMMUNICATIONS SKILLS: The student will begin to demonstrate appropriate communication with other plumbers and students in the plumbing field.
4) HUMAN DIVERSITY: The student will gain self-awareness regarding their feelings towards people of different cultures, value systems and socioeconomic status.

TOPICS TO BE COVERED: This course will give the student knowledge of the plumbing trade and provide skills to assist the student in the requirements of the workplace.
LIST OF EXPECTED COURSE OUTCOMES:
1. explain final air test
2. support water closet elbow
3. draw and price DWV mock up lay out
4. explain improper installation of fixtures
5. explain indirect waste piping
6. explain pipe protection
7. explain test ball safety
8. administer final air test
9. construct PVC project
10. construct PEX project
11. explain vent termination roof flashing
12. join by solvent weld DWV
13. connect expansion joint

LEARNING/TEACHING TECHNIQUES used in the course are:
X Collaborative Learning
X Student Presentations
X Interactive Lectures
X Demonstrations

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading
X Tests
X Individual Projects

"This course will cover the characteristics of hazardous wastes and its safe handling, storage, and disposal."

The information in this course outline is subject to revision

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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