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 1140

COURSE TITLE:  Plumbing Pipefitting

CATALOG DESCRIPTION:  This course will train the student in the application and safety of installing for various applications. The student will complete a typical pipefitting project and draw an iso of the layout.

AUDIENCE:  Plumbing students who want to increase their knowledge of pipefitting.

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*
Area      : by meeting the following competencies:
Area N/A  : by meeting the following competencies:
Area      : by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE:  none

LENGTH OF COURSE 1 semester 2 lectures/presentations 1 lab 16 weeks

THIS COURSE IS USUALLY OFFERED:
Every other year  [ ]  fall  [x]  spring  [ ]  summer  [ ]  undetermined  [ ]

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

1) ACADEMIC CONTENT: This course focuses on the technical terms, methods, tests, inspections, and installations of the pipefitting trade.
2) THINKING SKILLS: The student will accurately perform projects related to pipefitting.
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: The differences in pipefitting codes, methods, and installation required.

LIST OF EXPECTED COURSE OUTCOMES:
1. explain isometric drawings
2. install valves
3. complete a buttweld
4. install screwed branch fittings
5. explain valves
6. explain support pipe
7. explain regulators
8. understand vertical and horizontal supports
9. explain piping and processing
10. understand branch fittings
11. explain fittings
12. explain career possibilities
13. understand valves
14. understand unions
15. understand shut off valves
16. understand pay scale
17. understand lines

LEARNING/TEACHING TECHNIQUES used in the course are:
- Collaborative Learning
- Problem Solving
- Student Presentations
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Lecture
- Films/Videos/Slides
- Demonstrations
- Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
- Reading
- Tests
- Individual Projects
- Oral Presentations
- Worksheets
- Collaborative Projects
- Textbook Problems
- Papers
- Portfolio
- Group Problems
- Term Paper
- Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES: see above

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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