

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. PLMB

COURSE NUMBER: 1102

NUMBER OF CREDITS: 4

Lecture: 1 Lab: 3 OJT: 0

Course Title:
Plumbing Installation and Fixtures I

Catalog Description:
Plumbing Installation and Fixtures I expands on PLMB 1101 to begin construction systems for residential and light commercial structures. Safe methods of handling and installing piping in accordance with Minnesota State Plumbing Code and general industry accepted standards will be emphasized. Both copper and plastic materials will be utilized in installations. Common fixtures, faucets and valve selection and installation will be included in lab activities. Proper structural support will be included.

Prerequisites or Necessary Entry Skills/Knowledge:
None

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

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
Installation and repair fixtures, faucets, various valves
Safe methods of handling and installation
Minnesota State Plumbing Code for installation
Use of hand, power cutting, measuring and pipe assembly tools
Proper structural support

Student Learning Outcomes

Identify and comprehend materials and methods of hanger installation
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Install DWV piping in structures

Install water piping in structures

Apply safety procedures and techniques.

Interpret code to assure installation compliance.

Utilize tools in safe and effective manner.

Select appropriate fixtures for customer expectation.

Install fixtures per manufacturer's standards.
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Test systems per code requirements.

Is this course part of a transfer pathway: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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<i>*If yes, please list the competencies below</i>
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Revised Date: 1/22/2022