

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. PLMB

COURSE NUMBER: 1172

NUMBER OF CREDITS: 2

Lecture: 0 Lab: 2 OJT: 0

Course Title:

Print Reading II

Catalog Description:

Print Reading II teaches students how to read building plans and pipe diagrams, interpret floor plans, elevation views, draw isometrics and sketch detailed work drawings. Students will develop skills in estimating plumbing cost for basic residential installations and remodels. Building on these skills, the student will gain knowledge of complex residential pipe diagrams and isometric drawings.

Prerequisites or Necessary Entry Skills/Knowledge:

PLMB 1122

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

Advanced components of building plans and drawings

Plumbing and HVAC symbols, blueprint terms, welding symbols

Complex building plans

Estimating and interpreting plans

Construction specifications and schedules

Student Learning Outcomes

Draw floor plans to scale.

Interpret complex residential prints.

Interpret material sizes and fixtures from prints.
Calculate run, travel and offsets.
Interpret plumbing prints and symbols.
Interpret construction specifications.
Interpret construction schedules
Identify and propose solutions to print conflicts.

Is this course part of a transfer pathway: Yes **No**

***If yes, please list the competencies below**

Revised Date: 1/18/2022