

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. PLMB

COURSE NUMBER: 1162

NUMBER OF CREDITS: 2

Lecture: 1 Lab: 1 OJT: 0

Course Title:

Code II

Catalog Description:

Code II builds on knowledge learned in PLMB 1101 and apply this information to gain thorough understanding of Minnesota Plumbing Code. Course includes pipe sizing of residential homes, plumbing license requirements and practical testing to achieve the journeyman license.

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

Minnesota licensing laws, plumbing industry definitions, advanced plumbing principles

General regulations, requirements and calculations for plumbing installations, potable water distribution systems, drain, waste and vent systems

Requirements for design, size and selection of drain, waste and vent lines

Reference standards for plumbing materials and installation

Qualifications of licensed plumbers to secure State licensure

Student Learning Outcomes

Interpret State licensing laws, plumbing and industry definitions.

Apply advanced plumbing principles.

Apply regulations, requirements and calculations for plumbing installations, potable water distribution systems and drain, waste and vent systems.

Design, size and select drain, waste and vent lines.

Employ standards for plumbing materials and installation.

Compute sufficient sizes for drain systems, storm sewers, water distribution systems and vent systems.

Is this course part of a transfer pathway: Yes No

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

Revised Date: 1/18/2022