

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. PLMB

COURSE NUMBER: 1112

NUMBER OF CREDITS: 2

Lecture: 1 Lab: 1 OJT: 0

### Course Title:

Code I

### Catalog Description:

Code I provides an understanding of many of the technical rules of the Minnesota Plumbing Code. Topics included are Minnesota licensing laws, plumbing industry definitions, basic plumbing principles and general regulations, requirements and calculations for plumbing installations, potable water distribution systems, Drain, Waste and Vent (DWV) systems, and various requirements for plumbing fixtures.

### 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, basic plumbing principles

General regulations, requirements and calculations for plumbing installations, potable water distribution systems, Drain, Waste and Vent systems

Requirements for plumbing fixtures

### Student Learning Outcomes

Analyze basic and general plumbing principles.

Discuss plumbing terminology related to the plumbing code.

Identify materials used for fixtures and fittings.

Identify materials used in water supply and distribution.

Determine needed components for selected applications.

Demonstrate the ability to select proper materials for selected applications.

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

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

Revised Date: 1//18/2022