

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

**DEPT. PLMB**

**COURSE NUMBER: 1185**

**NUMBER OF CREDITS: 4**

**Lecture: 1 Lab: 3 OJT 0**

### Course Title:

Drainage, Waste and Venting

### Catalog Description:

Drainage, Waste and Venting will familiarize the learner with the different types of drain, waste and vent systems. The course will include the Minnesota Plumbing Code rules for sizing, Drain, Waste and Vent systems.

### Prerequisites or Necessary Entry Skills/Knowledge:

None

### FULFILLS MN TRANSFER CURRICULUM AREA(S)

- 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

How drain, waste and vents are sized and installed.

### Student Learning Outcomes

Define different materials used for DWV systems

Demonstrate how to size an individually vented drainage system

Demonstrate how to size a Residential drainage system

Identify indirect wastes

Identify horizontal lengths of trap arms

Identify interceptors

Demonstrate how to size storm drains.

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

Revised Date: 2/14/2022