**Course Outline**

**DEPT.** PLMB  
**COURSE NUMBER:** 1185

**NUMBER OF CREDITS:** 4  
Lecture: 1  Lab: 3  OJT 0

<table>
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<tr>
<th>Course Title:</th>
<th>Drainage, Waste and Venting</th>
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**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)**
- Yes to Goal 1: Communication: By meeting the following competencies:
- Yes to Goal 2: Critical Thinking: By meeting the following competencies:
- Yes to Goal 3: Natural Sciences: By meeting the following competencies:
- Yes to Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Yes to Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Yes to Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Yes to Goal 7: Human Diversity: By meeting the following competencies:
- Yes to Goal 8: Global Perspective: By meeting the following competencies:
- Yes to Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Yes to 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