Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT.  PLHT        COURSE NUMBER:  1110

NUMBER OF CREDITS:  2        Lecture:  1        Lab:  1

Course Title:
Code I

Catalog Description:
Provide 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.

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:

Prerequisites or Necessary Entry Skills/Knowledge:
None
## 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
1) Analyze basic and general plumbing principles.
2) Discuss plumbing terminology related to the plumbing code.
3) Identify materials used for fixtures and fittings.
4) Identify materials used in water supply and distribution.
5) Determine needed components for selected applications.
6) Demonstrate the ability to select proper materials for selected applications.

## Is this course part of a transfer pathway:
- Yes ☐
- No ☒

Revised Date: May 2020