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: 1105

NUMBER OF CREDITS: 4    Lecture: 1    Lab: 3

Course Title:
Plumbing Installation and Fixtures

Catalog Description:
Expands on PLHT 1100 to begin construction systems for residential and light commercial structures. Safe methods of handling and installing piping in accordance with Minnesota State Plumbing Code and general industry accepted standards will be emphasized. Both copper and plastic materials will be utilized in installations. Common fixtures, faucets and valve selection and installation will be included in lab activities. Proper structural support will be included.

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:

- Installation and repair fixtures, faucets, various valves
- Safe methods of handling and installation
- Minnesota State Plumbing Code for installation
- Use of hand, power cutting, measuring and pipe assembly tools
- Proper structural support

Student Learning Outcomes

1) Identify and comprehend materials and methods of hanger installation.
2) Install DWV piping in structures.
3) Install water piping in structures.
4) Apply safety procedures and techniques.
5) Interpret code to assure installation compliance.
6) Utilize tools in safe and effective manner.
7) Select appropriate fixtures for customer expectation.
8) Install fixtures per manufacturer’s standards.
9) Test systems per code requirements.

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

Revised Date: May 2020