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. CRPT

COURSE NUMBER: 1132

NUMBER OF CREDITS: 4

Lecture: 2

Lab: 2

Course Title:
Interior Finish I

Catalog Description:
This course covers the identification of various interior finish materials and their appropriate application and proper installation. This includes insulation, drywall, interior doors, and all interior trim components, including closet shelving. Students will also learn stairway terminology, layout, and construction and gain hands-on experience by building various types of stairs.

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

- Types of insulation and their application.
- R values of common building materials and insulation materials.
- U values of common building materials and insulation materials.
- The principles of conduction, convection and radiation.
- Condensation and how to control.
- Attic ventilation systems and their function.
- Vapor retarders and their function.
- Types of drywall.
- Drywall installation.
- Finishing methods for drywall.
- Styles and types of interior doors.
- Installing interior doors.
- Types of interior trim and methods of trimming doors and windows.
- Types of baseboard trim and their installation.
- Types of closet shelving and installation methods.
- Types of stairs and basic stair parts.
- Calculating risers, treads, and stringer length that meet building code requirements.
- Layout and cutting stair stringers.
- Installing stair stringers, risers and treads.

### Student Learning Outcomes

1) Describe the types of insulation materials available today.
2) Describe methods of controlling moisture problems.
3) Demonstrate general procedures for installing blanket, loose fill and rigid insulation.
4) Select appropriate areas for insulation in a given structure.
5) Summarize the principles of conduction, convection and radiation.
6) Explain the use of vapor retarders and demonstrate proper application.
7) Explain the principles of attic ventilation and identify common ventilation systems.
8) Identify types of drywall.
9) Demonstrate proper application of drywall.
10) Identify tools used for drywall finishing.
11) Demonstrate proper techniques for finishing drywall.
12) Identify common styles of interior doors.
13) Identify profiles of interior wood trim and demonstrate methods of installation.
14) Demonstrate ability to properly hang a pre-hung interior door.
15) Demonstrate ability to install closet shelving.
16) Describe different types of stairs.
17) Identify and describe basic stair parts.
18) Calculate “rise-run-ration,” number and size of risers and treads and stairwell length.
19) Lay out and cut stringers for a given stair rise and run.
20) Install stringers, risers and treads for a given stairs.

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

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**Revised Date:** May 2020