

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CRPT

COURSE NUMBER:1190

NUMBER OF CREDITS: 3

Lecture: 1 Lab: 2 OJT 0

Course Title:
Framing & Construction

Catalog Description:
Framing & Construction assists students in gaining hands-on experience laying out, building, straightening, bracing and leveling walls, floors and roof truss framing.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- ☐ 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 (General)
Construction of floor systems
Layout and construction of interior and exterior walls.
Use of trusses in roof framing.

Student Learning Outcomes
Explain the difference between platform and balloon framing
Lay out and install sills on a foundation wall.
Describe how layouts are made on header joists.

Describe kinds of material used for subflooring.
Identify components of wood frame wall.
Lay out and install floor joists on a sill.
Lay out and install studs, king studs, trimmer studs, and cripple studs on wall plates.
Measure, cut and install window and door headers.
Install subfloor on floor joists.
Apply exterior sheathing to a wall section.
Read a set of truss blueprints.
Explain the design and erection of roof trusses.
Demonstrate the proper procedure for sheathing a roof.

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

Revised Date: 4/29/2024