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:  2240

NUMBER OF CREDITS:  4  Lecture:  1  Lab:  3

Course Title:
Framing II

Catalog Description:
This course is designed for identification and assembly of all components in Western Platform framing construction in accordance with all state and local codes. Students will perform horizontal and vertical layout of interior and exterior wall assemblies. Erect, plumb and brace walls, fasten components together and install exterior wall sheathing. Also students will get experience in various types of floor systems such as webbing trusses, I joist systems. Students will install roof truss systems, hand frame roof sections of various styles, including ceiling vaults and trays, and install roof sheathing. This course also covers construction of a variety of decks, porches and patios, the materials used in their construction and the methods of handling a variety of materials.

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
- Various sizes of dimension lumber
- Wall assembly techniques
- Window and door openings
- Load bearing points
- Roof systems
- Sheathing materials
- Estimating
- Types of wood deck materials
- Methods of assembly
- Finishing techniques
- Methods of construction of concrete patios and porches, including steps and ramps.

### Student Learning Outcomes
1) Assemble interior and exterior walls with supports and bracing according to code.
2) Complete assembly of roof and floor components.
3) Prepare roof for shingling.
4) Identify and install all types of composite and wood decking.
5) Prepare walls for exterior finishes.
6) Identify and install all types of concrete porch and patio materials.

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

Revised Date: May 2020