

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CRPT

COURSE NUMBER:1185

NUMBER OF CREDITS: 2

Lecture: 0 Lab: 2 OJT 0

Course Title:

Construction Principles

Catalog Description:

Construction Principles introduces students to hands-on building from the sill to finishing the exterior. The work is done on site and mock-ups will also be utilized for additional work experience. Concrete work is also introduced.

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)

Framing of structures

Exterior finishes

Forming and placing concrete

Student Learning Outcomes

Perform proper construction of a floor system.

Show techniques involved with wall construction.

Complete the assembly of a truss roof system.

Perform exterior finishing skills.

Set up concrete forms

Identify tools used to pour and finish concrete.

Is this course part of a transfer pathway: Yes No

Revised Date: 4/29/2024