

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. CRPT

COURSE NUMBER: 2242

NUMBER OF CREDITS: 2

Lecture: 0 Lab: 2 OJT 0

### Course Title:

Deck and Porch Construction

### Catalog Description:

Deck and Porch Construction will teach the students about the construction of decks, porches, and patios, the materials used in their construction, and the methods of handling a variety of materials.

### 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)

Materials used in deck and porch construction

Fasteners and connectors used in deck and porch construction

Foundations and footings for decks, porches and patios

Design of common decks, patios, and porches

### Student Learning Outcomes

Identify materials used in deck and porch construction.

Identify fasteners and connectors used in deck and porch construction.

Methods of foundations and footings for decks and porches.

Understanding design of common deck and porch construction.

Demonstrate proper code requirements.

Identify live loads.
Identify dead loads.
Install ledger board.
Identify and calculate built up beams.
Installation of deck materials.
Discuss various types railings.
Demonstrate methods of attaching various decking materials.

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

**\*If yes, please list the competencies below**

Revised Date: 1/2022