

Course discipline/number/title: CR 1612: Shop Practices I

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 4 lab
3. Prerequisites (Course discipline/number): None
4. Other requirements: None
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: In this course, students learn to use hand tools, portable power tools, and woodworking machines in a safe and efficient manner. A series of required woodworking projects are completed in the shop.

C. DATE LAST REVISED (Month, year): February, 2025

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Power Tool Use and Safety
2. Construction Materials and Fasteners
3. Hand Tool Use and Safety
4. Assembly and Fastening Techniques
5. Ladder and Scaffold Safety
6. Stairs

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Demonstrate safe and appropriate use of power tools.
2. Demonstrate safe and appropriate use of hand tools.
3. Identify and correctly use construction materials and fasteners.
4. Demonstrate assembly and fastening techniques.
5. Demonstrate safe and appropriate use of ladders, scaffolding, and fall protection.
6. Calculate, layout and assemble stairs.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Projects
2. Quizzes
3. Exams
4. Class Participation

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcomes(s):
Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I. SPECIAL INFORMATION (if any): None