

Course discipline/number/title: CR 1635: Shop Practices II

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 4 Lab
3. Prerequisites (Course discipline/number): CR 1612
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. Students build cabinets and woodworking projects using a variety of fastening techniques. Finished cabinets will be installed.

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

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Safe and appropriate use of tools and equipment
2. General carpentry skills
3. Properties of wood
4. Cabinet planning and design
5. Joinery
6. Estimate materials
7. Drawers and doors
8. Finishes

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

1. Select and safely use the appropriate tools and equipment for the selected process.
2. Plan and draw a design for cabinets.
3. Successfully construct various wood joints used in the wood shop.
4. Construct a wall or base cabinet to acceptable industry standards.
5. Build and install cabinet doors and hardware.
6. Build and install drawers and guides.
7. Select and apply various wood finishes.
8. Select appropriate materials for a job based on specifications.

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 Outcome(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