

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. MnTC Goals (if any): NA

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 carpentry shop.

B. DATE LAST REVISED (Month, year): November, 2017

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Safe use of tools/shop safety
2. Construction materials
3. Tape measures, squares, basic carpentry math and lay-out
4. Assembly and fastening techniques
5. Use of a plumb bob, level, chalk line, and hammer
6. Nail guns and power saws
7. Ladder and scaffold safety

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

1. Accurately use tape measures, squares and layout tools
2. Perform general carpentry skills
3. Identify and correctly use fasteners
4. Safely operate hand and power tools
5. Identify construction materials, sheet goods, and dimension lumber
6. Apply basic shop and job site safety
7. Complete hand and power tool projects
8. Demonstrate work ethic of pride and professionalism

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

Methods may include but are not limited to:

1. Research assignments
2. Quizzes
3. Exams
4. Class Participation

G. RCTC CORE OUTCOME(S) ADDRESSED:

Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

H. SPECIAL INFORMATION (if any): None