



South Central College

CARP 1110 Carpentry Tools and Safety

Course Outcome Summary

Course Information

Description	The course covers the safe operations of carpentry tools in the construction industry. Hand tools and stationary power tools will be covered. Job site safety, scaffolding, and ladders will be covered in depth. (Prerequisite: Declare Carpentry as a major)
Total Credits	2
Total Hours	64

Types of Instruction

Instruction Type	Credits/Hours
Lab	2/64

Pre/Corequisites

Declare Carpentry as a major

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Utilize basic hand tools.

Learning Objectives

Identify a tape measure, squares, and chalk lines.
Use a tape measure, squares, and chalk lines appropriately.
Demonstrate safe use of a utility knife.

2. Demonstrate ability to operate power hand tools.

Learning Objectives

Use a cordless drill and miter box.
Demonstrate handling of a variety of saws including jig saw, sawzall, and slide saw.

3. Demonstrate ability to operate stationary power tools.

Learning Objectives

Identify a variety of stationary power tools and their uses.
Demonstrate proficiency with a table saw, drill press, band saw, and jointer.

4. Demonstrate tool care and handling.

Learning Objectives

Identify toolbox design options.
Build a toolbox for safekeeping of tools.
Utilize creativity in toolbox creation.
Apply a plan to build a toolbox.

5. Utilize personal protective equipment.

Learning Objectives

Wear safety glasses.
Utilize a hard hat.
Use high-visibility vests when appropriate.

6. Use scaffolding safely.

Learning Objectives

Identify use of wall brackets.
Explain use of safeway scaffold and scaffold planks.
Demonstrate scaffold safety.

7. Apply ladder safety.

Learning Objectives

Explain the use of many kinds of ladders in carpentry.
Demonstrate extension ladder safety.
Apply step ladder safety precautions.

8. Explain fall protection protocol.

Learning Objectives

Explain use of handrail brackets, harness, and lanyard.
Identify safety procedures to prevent falls.

9. Apply code requirements when appropriate.

Learning Objectives

Explain different kinds of code and safety requirements.
Identify code requirements for a job site.
Demonstrate job site safety requirements.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.