South Central College

CARP 1210 Introduction to Cabinetmaking

Course Outcome Summary

Course Information

Description: This course is designed to give students an understanding of kitchen design, cabinet sizes when purchasing factory cabinets and the importance of knowing appliance sizes. Students will read cabinet blueprints, build face frames and cabinet boxes. Students will use these new skills and build a base cabinet and upper cabinet. These skills could be incorporated into any number of larger cabinet projects. (Prerequisites: CARP 1110; CARP 1121; Carpentry as a major)

Total Credits: 3
Total Hours: 80

Types of Instruction

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Pre/Corequisites

Carpentry as a major
CARP 1110 Carpentry Tools and Safety
CARP 1121 Print Reading

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. Assemble face frame.

   Learning Objectives
   Cut styles and rails to determined dimension.
   Connect rails to styles according to print.
2. **Build cabinet box.**
   Learning Objectives
   Cut cabinet box pieces to size.
   Assemble cabinet box according to plans.

3. **Align face frame to cabinet box.**
   Learning Objectives
   Convey importance of face frame location to box.
   Determine if cabinet end is finished or non-finished.
   Align face frame to be flush with bottom of cabinet box.

4. **Construct drawer.**
   Learning Objectives
   Measure and cut fronts and backs to size.
   Cut dados in drawer sides.
   Fasten bottom to drawer sides.

5. **Build cabinet door.**
   Learning Objectives
   Cut door styles and rails to length.
   Build panel to appropriate size.
   Assemble cabinet door and check for squareness.

6. **Cut shelves.**
   Learning Objectives
   Measure and cut shelves to length and width.
   Add finished edge to shelf.
   Identify shelf clips.

7. **Align cabinet door.**
   Learning Objectives
   Align cabinet door to face frame.
   Align cabinet door to drawer above.
   Align cabinet door to adjoining cabinet doors.

8. **Sand cabinet.**
   Learning Objectives
   Sand face frame scratches and glue.
   Sand cabinet box scratches and glue.
   Discuss over sanding.

9. **Analyze functional kitchen.**
   Learning Objectives
   Discuss the kitchen work triangle and its size.
   Verify the three appliances in the work triangle.

10. **Identify dowel joints.**
    Learning Objectives
    Use doweling jig.
    Associate best practices as to when to use the doweling jig.

11. **Use pocket joints.**
    Learning Objectives
    Associate the practicality of using pocket joints.
    Drill pockets and insert screws.

12. **Use dado joints.**
Learning Objectives
Set up table saw for dados.
Use router for dados.
Value the strength of dados.

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) 332-5847.

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.