



South Central College

# CARP 1210 Introduction to Cabinetmaking

## Common Course Outline

### Course Information

<b>Description</b>	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)
<b>Total Credits</b>	3
<b>Total Hours</b>	80

### Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/16
Lab	2/64

### Pre/Corequisites

Prerequisite	Carpentry as a major
Prerequisite	CARP 1110 Carpentry Tools and Safety
Prerequisite	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.