

YOSEMITE REGIONAL OCCUPATIONAL PROGRAM

CABINET CONSTRUCTION II

CBEDS Code: 5520

<u>JOB TITLES</u>	<u>DOT NO.</u>
Cabinetmaker, Supervisor	660.130-010
Cabinetmaker, Maintenance	660.280-010
Cabinet Finisher	703.684-014
Cabinet Assembler	763.684-014

Course description:

This course is a continuation of Cabinet Construction I. The course is designed primarily for students who completed Cabinet Construction I as juniors and desire to develop additional skills during their senior year. These additional skills will make them more employable in a wider variety of cabinet making industries.

Recommended Prerequisites: Cabinet Construction I

DURATION: (360) hours

CREDIT: 5 units

ARTICULATED WITH POSTSECONDARY INSTITUTIONS:

REPLACES:

INSTRUCTIONAL MATERIALS

Basic Text(s):

Modern Cabinetmaking:

By: William D. Umstattd and Charles W. Davis; Goodheart – Wilcox

Supplementary Text(s):

Modern Cabinetmaking Workbook:

By: Umstattd/Davis; Goodheart-Wilcox

Instruction will include:

At the end of instruction, the student will be able to:

CL=Classroom
CC=Comm. Class.

<p>1. Cabinet Making. 1. Cabinet parts & fabrication: a. Parts: i. Blank ii. Edge band iii. Back splash</p>	<p>Goal: The student will understand the ways in which cabinets are constructed. A. Understand face frames, 32 mm systems, drawers, and so forth. B. Safety select and use tools and machines in cabinetmaking</p>	<p>Anchor And CR 1.0 10.0 6.0 CR 1 and 5</p>	<p>CTE B&C A2.1 A7.2- A7.7 A7.11- A7.11- A7.14</p>	<p>CL 100</p>	<p>CC</p>
<p>2. Laminated plastics: 1. What is laminate plastic? 2. Types & brands of laminated plastics. 3. Fabrication of laminated tops: a. Tools used b. Glue used c. Assembly of parts</p>	<p>Goal: The student will understand the procedures and techniques of applying plastic laminate and wood veneers to a surface. A. Understand cutting, gluing, and trimming B. Identify the tools, machines and materials used to apply laminates C. Safety and accurately apply plastic laminate and wood veneer to a surface.</p>	<p>10.0 6.0 CR 1 and 5</p>	<p>B&C A4.3 A5.8 A5.10- A5.13</p>	<p>20</p>	
<p>3. Designing laminate tops: a. Straight top b. Island top c. U-shaped top d. L-shaped top e. Laminated top installation</p>	<p>Goal: The student will understand the procedures and techniques of constructing and installing countertops. A. Understand applying laminate, cutting openings, and installing backsplash. B. Safely and accurately construct and install countertops. C. Identify tools, machines and materials.</p>	<p>6.0 10.0 CR 1, 5, 10</p>	<p>B&C A1.1- A1.7 A2.2 A3.1- A3.4 A4.3 A4.4 A4.6 A5.6- A5.10 A7.3 A11.2 A11.3</p>	<p>30</p>	
<p>4. Kitchen design: a. Production cabinets: i. Standard sizes of cabinets. b. Production methods of construction: i. Power equipment. ii. Assembly line.</p>	<p>Goal: The student will understand procedures, techniques and processes of large-volume manufacturing A. Understand tooling, joining, assembling, finishing and marketing. B. Identify the tools and materials used in manufacturing. C. Demonstrate ability to apply manufacturing processes to mass-produce and market wood products.</p>	<p>5.0 6.0 10.0 CR 1 and 5</p>	<p>B&C A1.0- A1.9 A3.0- A3.6 A4.0- A4.7 A6.5- A6.6 A7.2 A7.9- A7.12 A8.0- A8.4 A9.0- A9.6 A10.0- A10.5</p>	<p>40</p>	

Instructional Content
Instruction will include:

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Hours
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		Anchor/ CR	CTE	CL	CC
5. Custom kitchen: 1. Design concepts of custom kitchens. 2. Custom cabinet construction: a. Layout. b. Power equipment. c. Milling operation. d. Finishing techniques.	Goal: The student will understand the procedures, techniques and processes of low-volume, custom manufacturing. A. Understand designing, tooling, assembling, and marketing. B. Know the tools and materials used in the process. C. Demonstrate ability to apply manufacturing processes to build and market custom wood products.	5.0 6.0 10.0 CR 1 and 5	B&C A1.0- A1.9 A3.0- A3.6 A4.0- A4.7 A6.5- A6.6 A7.2 A7.9- A7.12 A8.0- A8.4 A9.0- A9.6 A10.0- A10.5	30	
6. Installation of custom kitchens: a. Wall cabinets. b. Base section.	Goal: The student will understand the procedures and techniques of installing wall and base cabinets. A. Understand measure, leveling, and fastening. B. Know the tools, machines and materials used in the process. C. Demonstrate safe and accurate wall and base cabinet installation	5.0 6.0 10.0 CR 1,2 and 5	A4.0- A4.2 A6.1 A7.9 A10.0- A10.5	30	
7. Counter tops: 1. Laminated plastic tops: a. Types of tops & properties b. Construction of tops c. Installation of tops	Goal: The student will understand the procedures and techniques of constructing and installing countertops. A. Understand applying laminate, cutting openings, and installing backsplash. B. Demonstrate safe and accurate construction and installation of countertops. C. Identify the tools, machines and materials used.	5.0 6.0 10.0 CR 1,2, and 5	A4.2 A11.0- A11.4	40	
8. Tile tops: a. Types & properties. b. Construction of tops. c. Installation of tops.	Goal: The student will understand the procedures and techniques of constructing large surfaces for tables and countertops. A. Understand cutting, joining, and surfacing. B. Know the tools, machines, and materials used in the process. C. Safety and accurately construct large surfaces for tables and countertops.	CR 1,2, and 5	A4.2 – A4.5 A11.0- A11.3	30	

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9. Store fixtures:	Goal: The student will understand procedures,	Anchor/	CTE	CL	CC
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<ul style="list-style-type: none"> 1. Design concepts. 2. Construction of various store fixtures: <ul style="list-style-type: none"> a. Dressing rooms. b. Valances. c. Counters. d. Wall standards. e. Shelving. f. Display counters. 3. Installation of fixtures. 	<p><i>techniques and processes of commercial carpentry.</i></p> <ul style="list-style-type: none"> A. Understand layout, forming, framing and so forth. B. Know the tools and materials used in commercial carpentry. C. Demonstrate ability to layout form, frame and finish commercial carpentry projects. 	<p>CR</p> <p>5.0 6.0 10.0</p> <p>CR 1,2 and 5</p>	<p>A1.2 A1.5 A1.9 A4.1 A7.9</p>	<p>40</p>	
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