

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

_____ Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: CFT-166 Cabinetmaking/Production and Manufacturing

UNIT VALUE: 2,3,4

MINIMUM NUMBER OF SEMESTER HOURS: 64,96,128 lecture/laboratory

BASIC SKILLS REQUIREMENTS: Appropriate language and computation skills

ENTRANCE REQUIREMENTS

PREREQUISITE: CFT-165

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Designed to give students the knowledge and ability to enter the cabinetmaking business. Manufacturing and production techniques will be examined along with design, assembly and installation. Students will learn to bid on jobs, estimate materials, provide client satisfaction, and produce quality work on a profitable basis.

SPECIFIC COURSE OBJECTIVES:

Students will be able to:

1. Apply manufacturing and production techniques.
2. Prepare bids and jobs.
3. Estimate materials.
4. Provide client satisfaction.
5. Apply principles of shop safety.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
- II. The Client

- A. Measuring the Site
 - B. Styling
 - C. Hardware
 - D. Materials
 - E. Estimating
 - F. Bidding
 - G. Schematic Planning
- III. Cabinet Design
- A. Base Components
 - B. Wall Components
 - C. Build-in Components
 - D. Shelving
 - E. Bookcases
 - F. Bath Design
 - G. Kitchen Design
- IV. Cabinet Materials
- A. Solid Woods
 - B. Man-Made Materials
 - C. Coated Panels
 - D. Estimating
 - E. Buying Materials
- V. Processing and Machining
- A. Squaring Rough Lumber
 - B. Layout and Methods of Cutting
 - C. Panel Processing
 - D. Stacking and Marking Components
- VI. Cabinet Assembly
- A. Carcase Glue Up
 - B. Drawer Construction
 - C. Slides and Drawer Installation

- D. Installing Doors
- E. Installing Special Component
 - 1. Pull Out Shelving
 - 2. Bread Boards
 - 3. Wire Baskets
 - 4. Lazy Susans

VII. Installation

- A. Base Cabinets
- B. Wall Cabinets
- C. Wall to Wall
- D. Floor to Ceiling
- E. Shelving
- F. Crown Moulding
- G. Base Moulding
- H. Cope Cutting
 - 1. Scribing and Fitting

VIII. Counter Tops

- A. Plastic Laminate
- B. Tile
- C- Top Base Materials
- D. Glues Used
- E. Edge Band
- F. Sink Cutouts
- G. Installation

IX. The Cabinetmaking Business

- A. Pricing Your Work
- B. Estimating
 - 1. Labor
 - 2. Materials
 - 3. Overhead
 - 4. Transportation
 - 5. Bookkeeping
 - 6. Hourly Workers
 - 7. Marketing
- C. Submitting the Bid
- D. Shop Time Rates
- E. Reading Architectural Drawings
- F. Getting Invited to Bid
- G. Commercial Jobs
- H. W. I. C.

REQUIRED READING:

Extensive instructor-originated class information sheets, which are then summarized and included in the instructor-evaluated notebook submitted by all students.

SUGGESTED READING:

Cary, Jere. Building Your Own Kitchen Cabinets. Newton, CT: The Taunton Press, 1983.

Fine Woodworking. Newton, CT: Taunton Press, Inc.

Schere, G. William. Designing, Building and Installing Custom Cabinets for the Home.

New York: Prentice Hall Inc, 1986.

Kitchen and Bath News. K.B.C. Publishing Corp.

Wood and Wood Products. Vance Publishing Corp.

Fine Homebuilding. Newton, CT: Taunton Press Publishing Corp.

Builders' Kitchen & Bath. K.B.C. Publishing Corp.

REQUIRED WRITING:

A written notebook is required of all students. The notebook will contain all class lectures, notes from videotape, instructor-originated information sheets and demonstrations. The notebook will be written in standard college format using proper English, complete with title page, table of contents, bibliography and tabulated sections. The notebook should consist of at least 30 pages. The use of complete sentence and paragraph structure will be mandatory. All drawings in the notebook will be redrawn to reproduction standards. The notebook will be either typed or neatly rewritten and submitted in a hardbound cover. Each student will spend an average of three hours minimum per week outside of class to complete their notebook. The notebooks will be evaluated by the instructor at the end of the semester, and will constitute a percentage of the students' overall grade, as per the grading policy. In addition to the writing required in the notebook, students will complete a minimum of two written exams which consist of a short answer essay. Students are expected to complete such tests using standard English, both in terms of grammar as well as in structure. Questions may include mathematical and algebraic functions, and analytical problem solving.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Each student will complete a notebook (see required writing for details). Each student is responsible for required reading, for which a reading assignment sheet outlines the chapters and pages required to be read for each week of class. Students will complete a learning activity which incorporates the objectives stated in this syllabus.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes ____ No X

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Final grades will be based on the following factors:

1. Participation: 20%
2. Tests: 25%
3. Learning Project. 30%
4. Notebook and Design Paper or Product Development: 25%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes X No ____ Number of times course may be taken for credit: 3

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable: 58161 C2A

CONTACT PERSON: Chris Feddersohn ext. 2556

SIGNATURE ON FILE