

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 158 Chair and Seating/Production 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-157

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Chair and seating construction; production and advanced machine tool techniques as they relate to chair making. Fine joinery, theory, and advanced techniques.

SPECIFIC COURSE OBJECTIVES:

Students will:

1. Demonstrate and apply principles of shop safety.
2. Compare and contrast types of furniture joinery, particularly that which is specific to the design function requirements inherent in seating.
3. Identify, analyze and construction, frame making, upholstery and wood laminating procedures.
4. Apply and demonstrate principles of machine hand tool safety.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Seat Construction
 - A. Solid Wood
 - B. Frame Making
 - 1. Upholstery
 - 2. Reed
 - 3. Cane
 - 4. Other Materials
- II. Taper Leg Techniques
 - A. Table Saw
 - 1. Two-step Jig
 - 2. Adjustable Jig
 - 3. Plywood Jigs
 - B. Producing Tapered Legs on the Jointer
 - C. Band Saw
 - D. Other Jigs & Fixtures
- III. Leg Joinery
 - A. Dovetail
 - B. Mortise and Tenon
 - 1. Through
 - 2. Blind
 - 3. Tusked
 - 4. Wedged
 - S. Pinned
 - 6. Exposed/Decorative
 - 7. Angled
 - 8. Slip
- IV. Wood Bending/Lamination
- V. Shaper
 - A. Duplicate Parts
 - B. Freehand/Pin Use
 - C. Jigs and Hold Downs
 - D. Proper Machine Tool Set-ups
- VI. Assembly
 - A. Adhesives
 - B. Clamps
 - C. Jigs & Fixtures
- VII. Shaping
- VIII. Finishing

REQUIRED READING:

Kelsey, John. Fine Woodworking Chairs and Beds, Newtown, Connecticut: Taunton Press, 1992.

Cabinet and Furniture Technology Safety Manual
Extensive instructor-originated class information sheets.

SUGGESTED READING:

Dunbar, Michael. Make a Windsor Chair Chicago: Rodale Press, 1984.

Maloof, Sam. Sam Maloof Woodworker. New York: Kodansha International Ltd., 1989.

Fine Woodworking.

The Woodworker's Journal.

Home Furniture.

Woodsmith.

Today 's Woodworker.

Wood.

The American Woodworker.

Woodwork.

REQUIRED WRITING:

A written minimum thirty-page notebook is required of *all students*. *Students will, within a period of one week, rewrite their notes taken in class, supplementing and augmenting such class notes with information derived from suggested reading and instructor-originated information sheets. All drawings in the notebook will be redrawn to reproduction standards. Students will complete a minimum of two written exams, each exam consists of 34 written pages. Questions may include mathematical and algebraic functions, including 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 minimum thirty page class notebook. Three hours of outside assignments per week. Each student is responsible for required reading. Each student is responsible for rewriting their lecture/demonstration notes taken in class, adding relevant information derived from the required reading. Proper grammar and structure is required.

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

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: 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 D2A

CONTACT PERSON: Chris Feddersohn ext. 2556

SIGNATURES ON FILE