

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-156 Advanced Classic American Chair Designs

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-155

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Chair making which emphasizes the use of traditional chair making tools to shape raw wood into chair parts. Skill development and improved craftsmanship is emphasized while leaning to make more complex chairs. Advanced chair designs include: bow back, continuous arm, writing arm, double and triple settees and fan back Windsor chairs; Appalachian style three-slat side chair, four-slat arm chair, youth rocking chair, bar stools and six-slat rocking chair.

SPECIFIC COURSE OBJECTIVES:

1. Apply principles of shop safety
2. Compare complex Windsor and Ladderback chairs to other chair designs
3. Contrast the strengths of more complex joinery of leg joints
4. Demonstrate the use of traditional chair making tools to sculpt more complex seats
5. Use more complex tools to make more difficult joints
6. Demonstrate increased lathe skills to turn ornate chair parts
7. Demonstrate steam bending compound bends in chair parts
8. Demonstrate increased skills necessary to properly assemble their chair
9. Demonstrate making bent lamination rockers for rocking chairs

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- A. Introduction
 - 1. Evolution of Windsor and Appalachian Ladder Back chairs
 - 2. Complex bending forms for advanced chair designs
 - 3. Materials used to make these chairs

 - 4. Sources of raw/semi-prepared materials
 - 5. Complex bending forms for advanced chair designs
 - 6. Materials used to make these chairs
 - 7. Sources of raw/semi-prepared materials
 - 8. Sources of materials to make bending forms
 - 9. Wood turning exercises
 - a. Windsor chair makers
 - b. Ladder Back chair makers
 - 7. Harvesting/ordering materials for chair making

- B. Preparing and ordering materials for chairs and bending forms
 - 1. Quarter sawing chair parts from the log
 - 2. Sawing pine logs for Windsor chair seats
 - 3. Ordering cherry/walnut material from the Eastern United States
 - 4. Purchasing stainless steel strapping and other form making materials

- C. Making and using the Shaving Horse
 - 1. Shaving Horse designs and materials
 - 2. Using the Shaving horse to make chair parts
 - a. Windsor parts
 - b. Ladder Back parts

- D. Turning chair parts
 - 1. Windsor parts
 - 2. Ladder Back parts

- E. Steam bending complex chair parts
 - 1. Windsor Continuous Arm chair
 - 2. Three, four and six slat ladder back chairs

- F. Sculpting the shield shaped Windsor chair seat

- G. Legging up Windsor chairs

- H. Kiln drying chair parts

- I. Designing and making complex front seat rung for Three-slat ladder back chair

- J. Assembling front and back leg assemblies of Ladder Back chairs

- K. Assembling arms, spindles, crest rail and continuous arm on Windsor chairs

- L. Weaving the Ladder Back seat with alternative and traditional materials

- M. Finishing the chairs with traditional and alternative finishing materials

REQUIRED READING:

Selected published articles on chair making provided by the instructor

SUGGESTED READING:

Dunbar, Michael. Make a Windsor Chair with Michael Dunbar. Newtown, CT: The Taunton Press, 1978.

Evans, Nancy Goynes. American Windsor Chairs. New York: Hudson Hills Press, 1996.

Evans, Nancy Goynes. American Windsor Furniture. New York: Hudson Hills Press, 1997.

Alexander, John D. Jr. Make a Chair From a Tree: An Introduction to Working Green Wood. Newtown, CT: The Taunton Press, 1978.

Langsner, Drew. The Chairmaker's Workshop. Ashville, NC: Lark Books, 1997.

REQUIRED WRITING:

1. Student generated, 120 page, three ring binder note book of class handouts and class notes. Students will within a period of one week, rewrite their class notes taken in class, supplementing and augmenting such class note with information derived from lab exercises, required and suggested reading.
2. Five-page documentation paper describing in detail the processes required to build and finish the chair that they chose to make, either a Windsor or Ladder Back design.

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.

Students are expected to complete their reading assignments, writing assignments, study for exams, complete take-home exams, and practice tool sharpening outside of class.

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):

Mid Term Exam	10%
Participation	10%
Preparing Materials	15%
Chair Assembly	20%
Chair Finishing	20%
Student Notebook	25%

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

Yes X No _____ Number of times course may be taken for credit: 4

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable: 58161 D2A

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SIGNATURES ON FILE