

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 150 Hand Joinery II

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-149

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

A comprehensive study of specialized woodworking techniques. The emphasis of this course will be on the development of hand tool skills. Learning exercises will be completed making traditional joinery typical of fine furniture.

SPECIFIC COURSE OBJECTIVES:

Students will:

1. Hand-build drawer boxes using dovetail joints.
2. Fit a drawer box to a carcass.
3. Properly cut traditional joints used in door making.
4. Use and maintain a selection of molding planes.
5. Use and maintain spoke shaves and draw knives.
6. Properly size and hand cut joints used in traditional furniture construction.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
- II. Making a masters tool chest
 - A. Design guidelines

- B. Material selection
- C. Joinery choices and their application
- D. Carcase construction
- E. Drawer building and specialty compartments
- F. Sliding trays
- G. Fitting of the parts
- H. Hardware
- III. Door building
 - A. Joint selection
 - B. Mitered sticking mortise and tenon
 - C. Making glazed doors
 - 1. Halving joint
 - 2. Coping a joint
- IV. Working specialty planes
 - A. Rabbet planes
 - B. Molding planes
 - C. Shoulder planes
 - D. Router planes
 - E. Scratch beading tools
- V. Shaping tools
 - A. Various types of spoke shaves
 - 1. Sharpening
 - 2. Using
 - B. Draw knives
 - 1. Sharpening
 - 2. Using
- VI. Specialty joints
 - A. Secret miter dovetail
 - B. Through wedged mortise and tenon

REQUIRED READING:

Selected published articles provided by the instructor.

SUGGESTED READING:

Tolpin, Jim. The Tool Box Book. Taunton Press.
 Lee, Leonard. The Complete Guide to Sharpening. Taunton Press.
 Odate, Toshio. Japanese Woodworking Tools. Taunton Press.
 Blackburn, Graham. Traditional Woodworking Tools. The Lyons Press.
 Klingshott, Jim. A Woodworker's Guide to Joints. The Lyons Press.
 Kirby, Ian. The Complete Dovetail. Cambium Press.
Fine Woodworking on Joinery. Taunton Press.

REQUIRED WRITING:

Student generated three-ring binder of class handouts and class notes.

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.

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):

- Class assignments – 40 % of total grade
- Notebook—20 % of total grade
- Tests – 20 % of total grade
- Attendance -- 20 % of total grade

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

Yes No Number of times course may be taken for credit: 2

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: Dave Thomsen ext. 2554

SIGNATURES ON FILE