

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-143 Decorative Box Making

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-105

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Concentrates on the skills and techniques needed to make finely crafted heirloom quality boxes. Types of boxes include: jewelry, cigar humidor, and silver chest. Topics include: design, function, selection of materials, construction techniques, partitions, linings, hardware, assembly techniques, hinge installation, and finishing techniques. *May be taken two times.*

SPECIFIC COURSE OBJECTIVES:

The student will:

1. Apply principles of shop safety.
2. Develop skills in handling small parts safely.
3. Construct a simple box with mitered joints and remove the top on the table saw.
4. Re-saw boards for box sides and match the figure at all four comers of a box -
5. Explore design objectives such as intended use, materials, archival needs of user and the builders skills.
6. Fabricate simple metal or mixed media hardware.
7. Construct interior partitions and French fitting.
8. Construct a project using drawers and hinges.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Box design
 - A. Tops
 1. Floating tops
 2. Flush tops
 - B. Solid sides
 - Joinery
 - a. Miters
 - b. Other joinery
- II. Materials
 - A. Wood
 - B. Veneer
 - C. Sheet materials
- III. Esthetics and Design
 - A. Function
 - B. Continuity of details
 - C. Interior design
 - D. Archival factors
- IV. Re-sawing
 - A. Band saw tune-up
 - B. Blades
 - C. Fence
 - D. Blade drift
- V. Separating tops
 - A. Safety
 - B. Fence alignment
 - C. Blade type
- VI. Humidors
 - A. Solid cedar
 - B. Cedar lined
 - C. Seals
 - D. Humidifiers
- VII. Hardware
 - A. Hinges
 1. Butt
 2. Quadrant
 3. Barrel
 - B. Drawer pulls
 1. Wood
 2. Metal/mixed media
 3. Fitting
- VIII. Interiors
 - A. Compartments
 - B. Lining
 - C. French fitting
- IX. Small Chests
 - A. Carcass
 - B. Drawers
 1. Drawer hangers
 2. Joinery
- X. Finishing
 - A. Interior
 - B. Exterior
 1. Lacquer
 2. Oil
 3. French Polish

REQUIRED READING: Selected published articles on box making provided by the instructor.

SUGGESTED READING:

Hoadley, Bruce. Understanding Wood. Taunton Press, Newton, CT 1980.

McCreight, Tim. The Complete Metalsmith. Davis Publications, Worcester, MA 1991.

Lydgate, Tony, The Art of Making Elegant Wood Boxes. Sterling Publishing Co. NY 1993.

Bennett, John. Making Little Boxes From Wood. Guild of Master Craftsmen Publications LTD. East Sussex

REQUIRED WRITING:

Student notebook containing class notes, project design and handouts.

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):

1. Participation: 10%
2. Tests: 10%
3. Assignments: 20
4. Projects: 40%
5. Notebook: 20%

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

Yes X 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: Russ Filbeck ext-2812

SIGNATURES ON FILE