

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-198 Advanced Wood Finishing

UNIT VALUE: 2,3,4

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

BASIC SKILLS REQUIREMENTS: Appropriate language, writing and computation skills

ENTRANCE REQUIREMENTS

PREREQUISITE: CFT-195

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Wood finishing history, processes, and application of multiple colors and complex finishes on furniture. Topics include media, solvents and tools use to apply media, faux finishes, gilding, coloring the finishing materials, turning broken or missing parts and veneer repair.

SPECIFIC COURSE OBJECTIVES:

The student will:

1. Apply principles of shop safety for health and environmental concerns.
2. Explore media, tools and surface preparation for rendering a painted finish.
3. Explore design, organization and color for painted finishes.
4. Apply techniques for faux finishes of glazing, marbling, graining, sponging, and combing.
5. Apply colored and clear finishing materials.
6. Apply advanced furniture repair techniques for veneers and solid wood.
7. Apply and repair gilding.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
 1. History of painted finishes
 2. Types of media, solvents and thinners
 3. Tools used to apply media
 4. Designing with media and color
 5. Furniture selection for restoration
 6. Preparation of test pieces for applying various media and finishes

- II. Surface preparation
 1. Plywood preparation for glazing, toning and shading
 - a. Dye
 - b. Grain filling
 - c. Sealing
 2. Medium density fiberboard (MDF) preparation for media application
 - a. Gesso
 - b. Latex paint
 - c. Acrylic paint
 - d. Oil paint

- III. Furniture restoration project
 1. Joint repairs
 2. Veneer repairs
 3. Finish repairs
 4. Turning replacement parts

- IV. Faux finishing
 1. Glazing—Layering of colors, sponging, strie', dragging and free form patterns
 2. Graining—Wood analysis, pores, straight grain, medullary rays, cross fire, knots, burl and crotch grain
 3. Marbling—Types of marble, mineral deposits, veins

- V. Gilding
 1. Oil
 2. Water

- VI. Varnishes (thinner/solvent)
 1. Catalyzed
 2. Colored

- VII. Shellacs (thinner/solvent)
 1. Types
 2. French polishing

- VIII. Lacquers
 1. Tinting (toning/shading)
 2. Colored (opaque)

- IX. Spray finishing/brushing finishes
 1. Spray equipment
 2. Brushes
 3. Maintenance of spray equipment and brushes

REQUIRED READING:

Selected published articles provided by the instructor

SUGGESTED READING:

Marx, Ina Brosseau; Marx, Allen and Robert. Professional Painted Finishes. New York: Watson-Gaptil Publications, 1991.

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 notes with information derived from lab exercises, required and suggested reading.
2. Three to five page documentation paper describing in detail the processes required to restore the piece of furniture they chose.

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 and complete take-home exams outside of class. Wood turning practice may also be done 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%
Turning exercise	10%
Preparing test pieces	20%
Restoration project	25%
Student notebook	25%

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

Yes ____ No X Number of times course may be taken for credit: 1

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

CONTACT PERSON: Russ Filbeck ext. 2812

SIGNATURES ON FILE