

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-195 Finishing Technology/Touch-up and Repair

UNIT VALUE: 2,3,4

MINIMUM NUMBER OF SEMESTER HOURS: 64, 80, 128

BASIC SKILLS REQUIREMENTS: Appropriate language, writing and computation skills

ENTRANCE REQUIREMENTS

PREREQUISITE: CFT-100

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Finishes as used in the wood related industry. Study and use of penetrating, surface, epoxy, catalytic, and resin surface finishes. Preparation to include staining, filling, and glazing. Chemistry of lacquers, urethanes, oils, and enamels. Instruction and practice in the touch-up of existing finishes through the use of French polishing, burn-in sticks, and dry aniline staining. Repair of fine furniture as necessary prior to finishing.

SPECIFIC COURSE OBJECTIVES:

Students will:

1. Identify and analyze major types of finishes, both of limited and production nature.
2. Compare advantages and disadvantages of different types of finishes.
3. Compare and contrast different methods use to apply finishes.
4. Demonstrate proficiency in the procedures necessary to prepare materials for finishing.
5. Describe and demonstrate the use of various wood-coloring media.
6. Describe and demonstrate the use of wood grain fillers.
7. Describe and demonstrate the use of various materials and methods used to rub out surface film finishes.
8. Describe and demonstrate proper procedures for waxing furniture.
9. Discuss and demonstrate various repair techniques for loose joints and broken rungs on chairs.
10. Discuss various restoration techniques used on quality antique furniture.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Types of Finish
 - A. Penetrating
 - 1. Tung oil
 - 2. Linseed oil
 - 3. Other oils
 - B. Surface film finishes
 - 1. Lacquer
 - 2. Shellac
 - 3. Varnishes/urethanes
 - 4. Others
- II. Methods of applying finishes
 - A. Spray
 - 1. Conventional
 - 2. HVLP
 - a. Turbine
 - b. Conversion
 - B. Brushing
 - C. Wipe on
 - D. Other
- III. Coloring wood
 - A. Stain
 - B. Dye
 - C. Types
 - 1. Oil
 - 2. Water
 - 3. Alcohol
- IV. Grain filling
- V. Rubbing out
 - A. Materials
 - B. Procedures
- VI. Waxing
- VII. Touch-up and repair
 - A. Materials
 - B. Procedures
- VIII. Restoration
 - A. Stripping
 - B. Repairs
 - C. Coloring
 - D. Finish selection
- IX. Maintenance of Furniture Finishes

REQUIRED READING:

Extensive instructor generated handouts

SUGGESTED READING:

Allen, Sam, The Woodfinisher's Handbook. NY. Sterling Publishing Co. Inc., 1984.
Dresdner, Michael, The Woodfinishing Book. Newtown, CT. The Taunton Press, 1992.

Flexner, Bob, Understanding Wood Finishing. Emmaus, PA, Rodale Press. 1994.
Frank, George. Adventures in Wood Finishing. Second Edition. Newtown, CT: The Taunton Press, 1994.
Jackson, Albert & Day, David. Care and Repair of Furniture. London, Harper Collins Publishers, 1994.
Jewitt, Jeff. Hand Applied Finishes. Newtown CT. The Taunton Press. 1997.

REQUIRED WRITING:

A one hundred twenty-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.

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 will complete take-home exams, practice sharpening tools and complete reading assignments 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):

- | | | |
|----|------------------------|-----|
| 1. | Mid term exam | 10% |
| 2. | Participation | 10% |
| 3. | Cutting board exercise | 5% |
| 4. | Preparing test pieces | 25% |
| 5. | Restoration project | 25% |
| 6. | 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