

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 151 Veneering Technology I

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:

Introduction to the use of veneers in furniture making. Topics include: understanding veneer as a material, cutting and seaming veneer, pressing veneer using traditional and modern methods, creating sunbursts and other multi-piece matches, using and maintaining various cutting tools and sawing your own veneer.

SPECIFIC COURSE OBJECTIVES:

Students will be able to:

1. Identify common species of veneer.
2. Cut and join pieces of veneer together.
3. Design and create a multiple piece match of veneer leaves.
4. Successfully bond veneer to a substrate.
5. Sharpen and use a veneer saw.
6. Re-saw their own veneer.
7. Fabricate a finished wood panel with veneer faces.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
- II. Veneer as a material
 - A. Methods of manufacture
 - B. Choices of cuts
 - C. Species availability and sources of supply
 - D. Understanding figure vs grain
- III. Using veneer
 - A. Composing a piece, selecting veneers
 - B. Cutting veneers
 - C. Creating patterns
 - D. Trimming veneer edges
 - 1. Machine tool application
 - 2. Hand tool application
 - E. Joining veneers together
 - 1. Choices of veneer tape
 - 2. Proper use of veneer tape
- IV. Core stock materials
 - A. Manmade choices
 - B. Real wood choices
 - C. Application of edgings
 - 1. How to apply
 - 2. Trimming flush to core stock
- V. Pressing Veneers
 - A. Glue choices
 - B. Cold press options
 - C. Vacuum technology
 - 1. Designing a system
 - 2. Making the bag
 - 3. Using a vacuum press
 - D. Understanding cure time
 - E. Trimming veneer overhang
 - 1. Hand tool technique
 - 2. Machine tool technique
 - A. Specialty Topics Creating multiple piece patterns
 - 1. Making a sunburst
 - 2. Template manufacture
 - B. Veneer saw
 - 1. Choices of style
 - 2. How to use
 - 3. How to sharpen
 - C. Sawing your own veneer
 - 1. Specialty blade options
 - 2. Smoothing sawn veneer
 - 3. Edge joining

REQUIRED READING:

Selected published articles provided by the instructor

SUGGESTED READING:

Lincoln, William. Complete Manual of Wood Veneering. Stobert Davies LTD.
 Ramond, Pierre. Marquetry. Taunton Press.
 Hosker, Ian. Veneering. Guild of Master Craftsmen Publications LTD.
 Square, David. The Veneering Book. Taunton Press.
 Stevens, Craig Vandall. The Art of Marquetry. Schiffer Publishing LTD.
 Lincoln, William. The Marquetry Manual. Linden Publishing.

REQUIRED WRITING:

Student generated three ring binder notebook 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):

- | | | |
|----|-------------------|-----|
| 1. | Class assignments | 30% |
| 2. | Notebook | 20% |
| 3. | Exams | 20% |
| 4. | Project | 20% |
| 5. | Participation | 10% |

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: Dave Thomsen ext. 2554

SIGNATURES ON FILE