

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 187 Introduction to Carving

UNIT VALUE: 1/2/3/4

MINIMUM NUMBER OF SEMESTER HOURS: 32/64/96/128

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

This beginning course in carving introduces students to the tools and techniques used in carving wood. The course includes specifics of available tools, their proper handling and maintenance, as well as discussions of layout and carving methods as applied to furniture and architectural millwork.

SPECIFIC COURSE OBJECTIVES:

The student will be able to:

1. Identify the various carving tool forms and deduce intended or possible applications from their geometry.
2. Analyze existing tool geometry in order to evaluate appropriateness to various applications or justify possible changes in tool geometry.
3. Identify the need for and apply sharpening principles necessary to maintain tools.
4. Anticipate, identify and analyze real or potential problems, and develop, evaluate and test possible solutions in safely securing material to be carved.
5. Identify and analyze real or potential safety issues when carving wood.
6. Analyze material for appropriateness of carving applications with respect to species of wood, figure, and grain orientation.
7. Apply the principles of tool geometry to the concepts of design and layout.
8. Think logically and critically in solving various layout problems encountered in carving for furniture and architectural millwork applications.
9. Synthesize and apply the principles learned in class to produce or respond to artistic and creative expression, both, within and outside the field of the woodworking arts.
10. Formulate ideas and concepts applicable to carving, in addition to using those of others.
11. Understand and build upon complex issues that pertain to carving and discover connections and correlation's to apply to other fields of the industrial arts.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction to the class
- II. Carving as incorporated into furniture and architectural millwork
 - A. Traditional styles
 - 1. Historic origins
 - 2. Cultural significance
 - B. Contemporary possibilities
 - C. Carved accents
 - D. Design considerations
 - E. Added value
- III. Carving tools
 - A. Establishing a vocabulary
 - B. Varieties of carving tools
 - C. Anatomy of carving tools
 - D. Brands of carving tools
 - E. Purchasing considerations for carving tools
- IV. Sharpening and maintaining carving tools
 - A. Carving tool geometry
 - B. Defining sharp
 - C. Various sharpening methods
 - D. Learning to recognize when it is time to sharpen
 - E. Establishing safe sharpening practices
- V. Layout and pattern design
 - A. Layout tools
 - B. Layout principles and strategies
 - C. Tool consideration in layout
 - D. Pattern and design sources
 - E. Pattern transfer techniques
- VI. Carving environment
 - A. Work surfaces
 - B. Ergonomics
 - C. Lighting
- VII. Holding the work
 - A. Safety considerations
 - B. Tool protection
 - C. Workbenches, vises and dogs
 - D. Clamps
 - E. Backing boards
- VIII. Carving
 - A. Holding the tool
 - B. Hand and body positions
 - C. Driving and steering the tool

- D. Shaving, paring, and gouging
 - E. Carving across the grain
 - F. Carving with the grain
 - G. Safety considerations
- IX. Selecting and evaluating material for carving
- A. Species of wood suitable for carving
 - B. Figure
 - C. Grain orientation
 - D. Density
- X. Assigned projects
- A. Series of flutes
 - B. Queen Anne fan
 - C. Chippendale shell

REQUIRED READING:

Extensive instructor originated class information sheets and handouts culled from past and current woodworking publications. These handouts are to be summarized and included in a notebook to be evaluated by the instructor at the end of the course.

SUGGESTED READING:

Pye, Chris. Woodcarving Tools, Materials & Equipment. East Sussex: Guild of Master Craftsman Publications Ltd, 1994.

Williams, Jeremy. Decorative Woodcarving. East Sussex: Guild of Master Craftsman Publications Ltd, 1994.

Wheeler, William and Charles H. Hayward. Woodcarving, The Beginner's Guide. New York: Sterling Publishing Co., Inc., 1972.

Butz, Richard. How to Carve Wood, A book of projects and techniques. 9th edition. Newton, Connecticut: The Taunton Press, 1984.

REQUIRED WRITING:

Each student is required to submit a written notebook. The notebook will consist of notes from all class lectures, video tapes, instructor originated handouts, and demonstrations. Notebooks may also be augmented by material from suggested reading. The notebook will be written in standard college format using proper English, complete with title page, table of contents, bibliography, and tabulated sections. The use of complete sentence and paragraph structure will be mandatory. Also, the notebook will either be typed or neatly written and submitted in a hardbound cover. Notebooks will be evaluated at the end of the course and constitute a percentage of the student's overall grade.

In addition to the notebook, students will complete a written exam consisting of short essay answers. The student is expected to complete the test using proper English in terms of grammar and sentence structure.

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 required to complete assignments outside of lecture/lab hours. Included in these assignments will be the compilation of a course notebook as outlined above. Individual practice of the proper sharpening and maintenance of carving tools will be required outside of class, as well as the completion of assigned carvings, which will be discussed in class.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

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):

Final grades will be based on the following factors:

1. Participation: 20%
2. Mid-term: 10%
3. Notebook: 10%
4. Completion of carving assignments: 30%
5. Execution of assigned carvings: 30%

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

Yes No Number of times course may be taken for credit: 4

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

58161 (C) (2) (A)

CONTACT PERSON: Craig Bradley (760) 325-3012

SIGNATURES ON FILE