

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

 X Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: CFT 141 Making Woodworking Tools

UNIT VALUE: .5,1,2,3

MINIMUM NUMBER OF SEMESTER HOURS: 16/32/64/96 hours lecture/laboratory

BASIC SKILLS REQUIREMENTS: Appropriate language, writing and computation skills

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Making a traditional woodworking tools used to make furniture and chairs. Topics include the history and uses of tools, materials and design, layout of the stock, equipment needed to make and finish the tools, sharpening and fitting the blades, forging and heat treating steel parts. Types of tools include spoke shaves, shaving horses, steaming devices and bending forms.

SPECIFIC COURSE OBJECTIVES: The student will:

1. Apply principles of shop safety
2. Compare various tool uses and designs
3. Evaluate materials used to make tools
4. Demonstrate the use of hand tools to layout and shape the stock
5. Demonstrate the use of selected power tools to prepare the stock
6. Demonstrate proper and safe finishing techniques
7. Demonstrate proper and safe sharpening techniques
8. Demonstrate proper and safe forging techniques

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
 - 1. History and uses of tools
 - 2. Design of tools for specific uses
 - 3. Materials needed to make a tools
 - 4. Tools needed to make other tools

- II. Preparation and shaping the stock
 - 1. Milling the wood to size
 - 2. Layout of the stock for drilling, cutting and shaping
 - 3. Drilling the holes
 - 4. Layout and cutting mortises
 - 5. Fitting blades
 - 6. Shaping handles
 - 7. Forging and finishing metal parts
 - 8. Installing metal parts
 - 9. Finishing

REQUIRED READING:

Selected handouts and instructor prepared materials.

SUGGESTED READING:

Lamond, Thomas C. Manufactured and Patented Spokeshaves & Similar Tools Thomas C. Lamond, 30 Kelsey Place, Lynbrook, New York 11563.

REQUIRED WRITING:

The student is required to prepare and maintain a one-inch, three-ring binder notebook for 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):

- Woodworking Tool-----80% (Craftsmanship, attention to detail)
- Participation-----10%
- Final Evaluation-----10%

Final evaluation will be a critique by the instructor, student and class.

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 (2) (A)

CONTACT PERSON: Russ Filbeck (x2812)

SIGNATURES ON FILE