

**CALIFORNIA STATE UNIVERSITY, SACRAMENTO
DEPARTMENT OF ART
COURSE OUTLINE**

**ART 075: BEGINNING METALSMITHING
Spring 2009**

Professor: Dr. DJ Frye

Office: 185 Kadema Hall

Office Hours: Monday/Wednesday 3:30-5:00

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ADD/DROP: Refer to Class Schedule for add/drop procedures.

COURSE OUTLINE: Introduction to techniques, tools, and methods used in fabrication of ferrous and non-ferrous metal, such as piercing, riveting, soldering, forging, and finishing process. Emphasis is on composition and imagery. Fee course. G. E. C4. 3 units.

COURSE CONTENT: This course is intended to allow the student an opportunity to explore basic concepts, techniques, and processes of metalsmithing. Students will explore metal as a medium in creating form.

GOALS: Major goals for a student in this class include abilities to:

1. develop a critical awareness of values, concepts, and tolerances through student's own work and fellow classmates' works;
2. distinguish between well crafted and conceived work and poorly crafted and conceived work;
3. demonstrate a knowledge of media, tools, and techniques through creation of finished works;
4. develop multiple approaches to problem solving.

REQUIREMENTS:

1. All students are required to keep a sketchbook of all processes and techniques demonstrated in class lectures and handouts. Designs for work are to also be kept in this notebook.
2. Students are permitted three unexcused absences from class. Late studio work, severe lack of class participation or contribution to the class community, or repeated absences will result in the lowering of student grades.
3. Each student is expected to participate in class critiques. Critiques will be used as medial summaries to provide critical assessment and alternative solutions for problem solving of student works.
4. Students will write a typed artist statement explaining the basic concepts expressed

through their work. In the case of multi-directional artwork, the student will develop multiple explanations-one for each work submitted. Or the student may develop one overarching theme in which all of the artworks created fit.

5. Safety is of the utmost importance. Safety glasses or goggles are required.
6. Students are required to purchase the following equipment: jeweler's saw frame and flat hand file. Students will also need to purchase the following grits of sandpaper: 240, 320, and 400.

GRADING CRITERIA:

pierce work		20
solder project		10
4 designs		10
sketchbook		10
artist statement		15
hammer study		20
surface treatment study		15
forging study		20
spiculum study		20
hollow form (box)		35
raised spherical form		35
culminating project		50
<u>critiques</u>	3 at 5 points each	<u>15</u>
Total		275

Grades are assessed by the following: use of elements and principles of art, understanding of supplies, personal expression, craftsmanship (or craftswomanship), presentation, and originality)

Grading Scale: 275-261=A (95%); 260-247=A- (90%); 246-239=B+ (87%); 238-231=B (84%); 230-220=B- (80%); 219-211=C+ (77%); 210-203=C (74%); 202-192=C- (70%); 191-184=D+ (67%); 183-176=D (64%); 175-165=D- (60%); 164-0=F

A student can earn extra credit points by polishing dimpled stakes. Depending upon the condition of the stake, extra credit points can range between 5 – 20 points.

Students may wish to supplement their supplies with:

a storage box	small containers
lock (for locker)	(for solder)
personal tools	tracing paper
	rubber cement

*Students must purchase silver separately. Students may make special orders of equipment and supplies through the supply catalog.

Pearson's Jewelry Supply has agreed to provide students a discount for supplies and materials. You will need to show your discount card (you can get this from the professor) in order to receive your discount. Your jewelry packet can be purchased from them.

Directions to Pearson's:

Take Interstate 80 East to Madison. Take a right onto Madison. You will want to move into the left had lane. You will go through 2 stoplights (Data and College). At the third light, Auburn, make a left. At the first stop light on Auburn, make another left. This is Hemlock. On Hemlock, you will see a strip mall on the left-hand side. The store on the left-hand side is Pearson''. Pearson's is not open on Mondays. It is open Tuesday through Saturday.

The professor reserves the right to subtract points from any students' grade total in the event the student has repeated unexcused absences, late papers or studio projects, severe lack of class participation, or contribution to the class community.

Toxic materials, vapors, gasses and dangerous machinery are potential health hazards in art studios. Students are urged to familiarize themselves with possible hazards and to utilize all available equipment and techniques to minimize hazards. Persons with respiratory problems, pregnant women and those placed under physical restriction by their physician must make their condition known to the instructor.

Please note: In Art studio courses, where all or most of the work must be accomplished in the University art studio facilities, three hours per week of reserved studio time and space per credit hour is reserved. In introductory courses, faculty meet with students for six contact hours per week. Students are afforded sufficient and convenient access to studio space to allow for completion of all required work.

Course Outline

- January
- 27 Introduction
Expectations
- 29 Form as a Foundation
Assignment: Hammer study
Critique I
Principles of Design
Assignment: Create 4 rough drawings as a proposal for the culminating project. Drawings must include consideration of surface treatment as well as principles of design. Final projects must be approved by the professor. Designs should be discussed with professor **BEFORE March 12.**
- February
- 3 Studio guidelines/basic equipment
Metal cutting
basic equipment: saw, file, drill, and sand paper
Assignment: create a design for a piece of flat metal incorporating beveled edges and pierce work.
Due: February 17.
- students must have purchased saw frame and hand files for this class.
- 5 Basic equipment studio
- 10 Soldering
Heat and metal
Assignment: solder together two pieces of flat metal and a post (wire) incorporating the graduated soldering technique.
Due: February 17.
- 12 Soldering studio
- 17 Surface Treatment
roller printing, stamping, and embossing
Assignment: create 3 designs using each of the techniques demonstrated in class (stamping, roller printing, and chasing). Each design should fill a 2 x 2" piece of copper.
Due: March 3.
Study Projects Due (points will be deducted for late projects)
- 19 Surface treatment studio

- 24 Forming I
Assignment: Forge a square, wave, and twist.
Due: March 9
- Assignment:** Design and create a multi-sides box incorporating surface treatment that enhances the form.
Due: May 14
- March 26 Forming I studio
- 3 Forming II
sinking, raising, and crimping
Assignment: raise a spherical form from a 6 x 6" 20 gauge piece of copper.
Due: May 14
Assignment: form a closed-end spiculum from a piece of copper 300 mm long. The width in the center can vary from 15-20 mm and taper to 10 mm at the ends. The thickness of the metal should be 26 gauge. The completed piece must be formed into a curved form.
Due: March 12
- 5 Forming II studio
- 10 Polishing techniques
- 12 Culminating project
Develop detailed sketches of culminating project
All Designs Due (points will be deducted for late designs)
- 17 Culminating project
- 19 Culminating project
- 24 Culminating project
- 26 Culminating project
Culminating projects should be beyond the beginning stage but should not be near completion.
Critique II
- Spring Break March 30 – April 5**
- April 7 Culminating project
- 9 Culminating project

	14	Culminating project
	16	Culminating project
	21	Culminating project
	23	Culminating project
	28	Open studio Work that was not completed earlier during the semester can be completed at this time.
	30	Open studio Critique III
May	5	Open studio
	7	Open studio
	14	All projects are due. Be sure to hand in your sketchbook - it is worth 10 points of your grade. Studio Clean-Up (The final grade will be lowered for those who do not participate)
	21	Final Class 5:15 – 7:15