



Summer Semester 2020
Intermediate Metalsmithing
ART F309-F81
CRN: 51022
3 Credits
Prerequisites: ART F209
Location: Fine Arts - Art Room 407
Meeting time: 6-7:30 pm, M-Th
May 18-Aug. 6

INSTRUCTOR

Patricia Carlson

Office Location: Room 407A, Fine Arts Complex

E-mail Address: pecarlson@alaska.edu

COURSE DESCRIPTION

In this class, students will strengthen their metalsmithing skills by learning to make a metal tool, cast, make cold connections, hinges, and adorn their work with many surface treatments.

COURSE GOALS

Students will learn to make steel tools, a variety of casting methods, cold connections, and surface treatments. Hands-on projects include making a scribe or chasing tool, carving in cuttlefish bone, wax, spruing, investing the flask, burning it out, and casting in metal. The casting techniques we will explore include gravity, centrifuge, salt, spaghetti, and broom casting.

We will cover making hinges for a locket. I will also demonstrate cold connection techniques such as riveting, reverse setting, and using tabs to set pieces that cannot be soldered. Finally, intermediate students will try advanced surfacing techniques such as ferric chloride etching, enameling, reticulation, patination, or colored pencils to add interest to their final pieces.

STUDENT LEARNING OUTCOMES

After completing this course, students will be able to make their own jewelry tools from tool steel, use a variety of techniques to cast in metal, use cold connections and hinges, and use several surface treatments to adorn their artwork.

COURSE READINGS/MATERIALS

Practical Casting: A Studio Reference by Tim McCreight, *Creative Wax Carving* by Emilie Shapiro, and *Making Metal Jewelry* by Joanna Gollberg (out of print)

See weekly reading assignments! Students must keep a sketchbook during the course. Please take technical notes during lecture and demonstrations, as you will need this information for your work. By drawing ideas in your sketchbook, you will be able to resolve most of your technical problems and communicate your ideas on paper. The studio provides solder, flux, and saw blades for your needs. The basic hand tools are provided for all students. Do not put these in your locker since everyone uses them! You may purchase sterling silver and base metal for extensive projects.

TECHNICAL REQUIREMENTS

Students must have passed the beginning metals class before taking this intermediate course. After my demonstration, students will be checked off on their use of studio equipment before they use it independently. ALWAYS use safety glasses, whether soldering, hammering, sawing - anything. Wearing them will help protect your eyes from broken saw blades, a neighbor's broken drill bit, a splinter of steel, etc.

INSTRUCTIONAL METHODS

Through small group instruction, mini lessons, and close-up demonstrations and individual help, intermediate students will complete their projects. I may assign a video to help clarify a technique, or give handouts when necessary.

COURSE PROJECTS

Demonstrations and instruction will be given for the following required Projects:

Week 1-2 : May 18, 25. Read pages 1-26 in Gollberg; read pp 72-76 in McCreight. Project 1: Carve a tool steel blank, file and sand to final shape, harden and temper it.

Week 3-4, June 1, 8: Read pp. 1-58 in McCreight. Read Shapiro. Project 2: Carve your cuttlefish and cast in bronze or silver. Make a simple design so the texture shows.

June 11th: Critique #1. Be ready to show your current work to the class, and be ready to share insights, and inspirations with your fellow students.

Week 5-6, June 15, 22: Read pp. 28-end of Gollberg.

Project 3: Carve your wax, sprue it, have instructor check it, invest, burn it out, and cast it in your chosen metal.

Week 7-8, June 29, July 6: Review cold connections in Gollberg.

Project 4: Choose a project from Gollberg (or design your own) that involves rivets (tube or wire).

July 9th: Critique #2

Week 9-10, July 13, 20: Look through *Boxes and Locketts* by McCreight for ideas. Or, *The Complete Metalsmith* by McCreight.

Project 5: Make a project using a hinge.

Week 11-12, July 27, Aug. 3. Read pp 55-57 in Gollberg. Finish all your projects, and be ready to bring ALL your finished projects to the Final Critique!

Project 6: Surface treatments: etching with ferric chloride, enameling, reticulation, patination, sandblasting, or colored pencils on sandblasted surface.

Aug. 6, Individual Final Critique this week. Sign up for a critique time and a cleanup job.

COURSE POLICIES

- All students are expected to follow the safety rules of the studio, or they will be asked to leave. Wear closed-toe shoes, tie hair and loose clothing back, wear the proper safety gear (safety glasses, dust masks, leather aprons and casting gloves, dark casting glasses, face shields, and hearing protection, for example). Proper ventilation must be used when soldering, casting, investing, burning out flasks, and using electric wax pens.
- Being plugged into your phone is a safety hazard! If you need music, leave one ear free to hear me call your name. No one should be watching movies or reading email during studio time. You may leave your phones on, but take calls in the hallway.

- All students will be responsible for the cleanup of their work areas as well as a portion of the common work area, machines, and tools. Use the broom, dustpan, sponge, and paper towels to clean up our area. We all enjoy working in a tidy studio, so we expect you to do your part.
- Learn how to use the equipment from the instructor. All students must have learned how to safely use the studio tools and machines before independent use. Intentional misuse of any tool is dangerous and costly. Students who do so will pay for the damage. Students will sign off on safety completion.
- The pickle pot must be unplugged before everyone leaves, or it is a fire hazard. The gas and oxygen must also be turned off. If you have not been instructed how to do this, do not attempt to do it.
- All students must notify the instructor immediately if they are hurt.
- Come to class on time, and stay for the whole period. Only current registered metals students can work in this studio!

EVALUATION POLICIES

- The studio will have critiques by course, and by the whole studio. Students are expected to participate by showing their work, asking questions, and giving constructive feedback.
- Students are required to save ALL Projects for a final grade at the end of the semester. Students will meet individually with the instructor for the Final Critique, which will make up 70% of the grade. Class attendance and participation will make up the remaining 30%.
- Grading scale:
 - A = 90-100% Complete all projects with attention to detail and final finish, attend and participate in all critiques, fill up your sketchbook, and attend all classes.
 - B = 80-89% Complete 4 projects; other factors are lacking (attention to detail, sketchbook, critique participation, attendance, etc.).
 - C = 70-79% Complete 3 projects; other factors are lacking.
 - D = 60-69% Complete 2 projects; other factors are lacking.

EXPLANATION OF NB/I/W GRADES

This course adheres to the UAF regarding the granting of NB Grades. The NB grade is for use only in situations in which the instructor has No Basis upon which to assign a grade.

Your instructor follows the University of Alaska Fairbanks Incomplete Grade Policy: "The letter "I" (Incomplete) is a temporary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student's control, such as sickness, he has not been able to complete the course during the regular semester. Negligence or indifference are not acceptable reasons for an "I" grade."

INSTRUCTOR RESPONSE TIME

Students may email me at any time with questions about assignments. I will often respond within an hour or the next day, depending on when the message was sent.

EFFORT AND STUDENT INVOLVEMENT

This class is a Studio Course that meets with the instructor six hours per week. You are required to work an additional 6 hours, for a total of 12 hours of classroom/studio time per week. The studio is accessible 24 hours per day to registered metals students, and will be available except when other classes are in session.

ACADEMIC INTEGRITY

As described by UAF, scholastic dishonesty constitutes a violation of the university rules and regulations and is punishable according to the procedures outlined by UAF. For this course, not doing your own work, not giving credit to artists who influenced you, and generally not being original with your ideas is scholastic dishonesty. Scholastic dishonesty is punishable by removal from the course and a grade of "F." For more information go to Student Code of Conduct. (<http://uaf.edu/usa/student-resources/conduct>)

DISABILITIES SERVICES

The UAF Office of Disability Services, a part of UAF's Center for Health and Counseling, provides academic accommodations to enrolled students who are identified as being eligible for these services. The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. As the instructor of this course, I will provide reasonable accommodation to students with disabilities. If you believe you are eligible, please visit the web site at UAF Disability Services.

907-474-5655 phone
907-474-5688 fax
uaf-disability-services@alaska.edu
www.uaf.edu/disabilityservices

TITLE IX PROTECTION

University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska. For more information please visit <https://uaf.edu/titleix>.

If you believe you are experiencing discrimination or any form of harassment including sexual harassment/misconduct/assault, you are encouraged to report that behavior. If you report to a faculty member or any university employee, they must notify the UAF Title IX Coordinator about the basic facts of the incident.

Your choices for reporting include:

1. You may access confidential counseling by contacting the UAF Health & Counseling Center at 474-7043;
2. You may access support and file a Title IX report by contacting the UAF Title IX Coordinator at 474-6600;
3. You may file a criminal complaint by contacting the University Police Department at 474-7721.