

REQUIRED TEXT: "The Complete Metalsmith" by Tim McCreight (or book from attached list). Read as required for class, entire book by semester's end.

Reasonable accommodations will be provided for students with disabilities including equal access to campus and course material. For information, contact Office of Disabilities Services 203 WHIT 474-7043.

**COURSE DESCRIPTION:**

This important class introduces to the beginner: hand tools, torches, flex shafts, polishers, rolling mill and draw plates. Through instruction and close-up demonstrations, the beginning student will learn how to layout, drill, pierce, file, form, solder, texture, and polish their metal projects. Students will make ring bands, earrings, pendants, cylindrical boxes, and learn bezel setting cabochons or cut stones in sterling silver and other metals.

Each student will be responsible for clean up of their bench as well as a portion of the common work area, machines, and tools.

The Torches and Trolling Mill will be available only in the presence of the instructor, intermediate, or advanced students enrolled in Metals.

**SKETCHBOOK:** A sketchbook is required to be kept during the course. Please take technical notes during lecture/demonstrations, as these will be your references. By drawing ideas in your sketchbook, you will be able to resolve most of your technical problems and communicate your ideas on paper. Your time and materials are precious.

This class is a Studio Course that meets with the instructor five hours per week. You are required to work an additional 5 hours, for a total of 10 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.

Students are required to save ALL Projects through the end of the semester for grading. The instructor's Final Critique at the end of the semester will make up 80% of the grade. Class attendance and participation will make up the remaining 20%. Please be on time to class and stay for the entire period! Demonstrations will be given at various times during the class. Students may observe and take notes at all demonstrations.

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

**Project 1** Pierced Sheet Twins: Produce a set of identical items for earrings, pendants, contains, or pieces with interchanged parts using a jeweler's saw, file, abrasives and polishing equipment (includes practice studio piece).

**Project 2** Pressure Inlay: The rolling mill, hydraulic press, or forging hammer will be used to force one metal into another to add texture, color contrast, and depth.

**Project 3** Pierced Overlay Ring Construction: A double layer ring will be constructed from two strips of metal one layer to fit a finger and a second layer that has been embellished by piercing, texture, pressing, inlaying, Keum Bo-ing, bead blasting, chemical or heat oxidation, or other surfacing technique.

**Project 4** Bezel Stone Setting (may be combined with Ring or Brooch project)

**Project 5** Cylindrical Container with Lid (friction fit, traditional or lap joint).

Additional information and tools covered.