

Metals

Jack Mauch

June 13-19, 2021

COURSE DESCRIPTION

This class will start with a simple introduction to the process by casting pewter into a cuttlefish bone carving that each student will make. We'll then move on to making more complicated silicone-rubber molds. Students will start by deciding what sort of object they want to make. The possibilities are many: a spoon/utensil, small dish/cup, salt-shaker, door knob, belt-buckle, brooch or other jewelry component, game pieces, figurines, sculpture. The primary limit will be on size, which must be kept reasonably small as the materials are expensive and we'll have limited quantities. Students will design their piece and create a model by carving wax or wood, sculpting clay, laminating paper/chipboard, or using found objects. We will learn how to successfully mold these pieces and cast them in pewter. The cast objects can be finished in various ways using abrasives, patina and wax. They can also be soldered or fused together to create larger assemblies. Students should be able to make 1-3 molds depending on size/complexity, and as many castings as we have material for. Although this class focuses on casting, I'll be more than happy to demonstrate how to fuse and form pewter sheet if anyone wants to attempt to make a cup/tankard. However, with only one week, this may not be feasible for those with no prior metal forming experience.

A note on expectations: Pewter is 92% tin which makes it very soft! It is great for compact, relatively thick objects and for small objects. It cannot be successfully sharpened or hold an edge, and it can't be drawn out into long tendrils (i.e. a fork tine), without being very fragile and bendable. Pewter does not work harden like other metals. These qualities make it fun to work with, but do present limitations.

MATERIALS LIST

- Closed toed shoes/boots—leather or cotton, something that won't melt
- Sketchbook
- Small objects that could be molded and cast. (Not every object will work, but if it's small bring it anyway for inspiration)
- Flash drive (to protect and save data to and from Library computers)
- *Padlock for your studio locker, if desired (For rent in the Supply Store for the week)

All Items marked with an "*" are available for purchase in the Supply Store

COVID-19 UPDATE

In accordance to Arrowmont's COVID-19 policies, Arrowmont recommends that all students bring multiple face coverings in accordance to the CDC guidelines (2-ply, cloth face covering). Along with additional masks, students should consider bringing additional PPE that they may need personally, including but not limited to hand sanitizers and gloves. When asked to bring a respirator or N95 for class, please consider the best option for the supply in your area with health care workers in mind.

In addition to the new operating policies due to COVID-19, Arrowmont is providing additional information to students about materials and tools that will be provided in classrooms. If a student already owns the below items and can travel with them, the student can choose to bring these additional items. Arrowmont will provide these items to students but wants to ensure that all students feel comfortable while on campus as some of these items will be shared amongst a class and are not guaranteed to be one per student.

SUPPLIES

- Small yogurt containers or similar for mixing
- Sticks for mixing
- Leather apron and gloves

- Hot glue gun
- Clay modeling tools/wax tools

If a student chooses to mail tools and supplies to Arrowmont prior to the class, the packages will be placed in the student's classroom.

Please label packages clearly, including student's name and class week.

Students can mail packages to:

Arrowmont
C/O Student Name and Class Week
556 Parkway
Gatlinburg, TN 37738

MATERIALS FEES: \$60.00-\$140.00

Materials fees will be charged for materials used in the studio and/or provided by instructors for use in the studio by the entire class. In order to keep these fees as low as possible, fees are assessed on an individual class basis and may vary from class to class depending on the amount of materials used and the number of students in the class. Materials fees are paid on the last day of class.

Please be advised that above course description and materials list is written and approved by the instructor

If you have any additional questions about this class, below is the contact info for your instructor:

(828) 385-3027
jackmauch@gmail.com
www.jackmauch.com