

Woodturning

Avelino Samuel

August 1-7, 2021

COURSE DESCRIPTION

This workshop will cover the process of creating a spiral or straight carved hollow vessel (or bowl). It will include the option of making either convex and concave segments on the piece. The process will begin with the creation of a hollow vessel (or open bowl) suitable for this project. The vessel/bowl must have the required thickness at the lip and base to facilitate this process.

The next step will involve determining the number of segments; for example, the number of segments are greater for a straight carved vessel/bowl versus that of a twisted (spiral carved) vessel/bowl. After this step, techniques for laying out the lines on the vessel/bowl will be given. Jigs, techniques, and tips for this process will be covered, followed by a demonstration of techniques for removing material to create the desired shape for the segments. Tips to avoid common mistakes that can create "tear outs" and torn grain also will be shared. Lastly, techniques for sanding and finishing, including burn texturing, will be demonstrated. Instructions for how to make collars, spouts, feet, and finials also will be presented.

MATERIALS LIST

➤ **Turning tools:**

- 0.5" bowl gouge (or your preferred tool)
- **Scraper for the bottom of the bowl (optional)**
- Parting tool
- Small spindle gouge or bowl gouge to turn off the tenon on the bowl
- Screw center for the chuck or faceplate to turn the outside of the bowl
- 1/4" spindle gouge for turning finials (available for purchase from instructor)
- Bring your hollowing system and cutters

➤ **Tools for carving:**

- **Power chisel with 60 degrees v-chisel and straight chisel (for convex segments bowl)—Strongly suggested but optional**
- **Power chisel with 60 degrees v-chisel, straight chisel, and an assortment of different radius gouges (for the convex and concave segments vessel/bowl)—Strongly suggested but optional**
- **Rotary carver with assorted cutters—bring own if possible; limited availability**
- **#92 Stanley rabbet plane or equivalent—bring own if possible; limited availability**
- **0.5 x 2 x 3.5" sanding block with a 60-70 degree edge—bring own if possible; limited availability**

➤ **Sandpaper:**

- *Sheet paper and 3" disc H&L: 80, 100, 120, 220, and 400 grits
- Turn sanding cone 8-10" long and 1 1/2" diameter on one end and 1/4" on the other end
- *Padlock for your studio locker, if desired
- *Flash drive (to protect and save data to from Library computers)

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

The Arrowmont wood studio is well equipped for virtually any type of turning. We are limited to specific types of tools and quantity needed for each class. If you are a beginning student or are traveling light, we do have tool kits that contain basic tools such as: bowl, spindle and roughing gouges as well as scrapers, skewers and parting tools. These kits are for student use.

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

- Face shield
- Woodturning smock
- Ear plugs/ear protection
- *Please see highlighted above*

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: \$100.00-\$125.00

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.

The woodturning lab is one of the most advanced wood turning studios in the country. We are proud to have quality lathes for your use. The types of lathes are Oneway, Powermatic, Robust, Robust sit-down lathe, and Jet mini lathes. The spindle size for all the lathes are 1 1/4 x 8TPI except for the Oneway which uses a metric spindle 33mm x 8TPI. All the lathes come equipped with an Oneway Stronghold chuck, drive centers, cup centers, step centers, live centers, and other basic and essential items. The woodturning lab is not equipped with extra lathe accessories. You may wish to bring your own, which ever you choose is fine.

**The wood studio provides wood for each class as requested by the instructor. Our wood supply is of local indigenous woods. If you have access to wood in your area, and would like to bring your own to use or share with fellow classmates, please familiarize yourself with laws and regulations in bringing wood across state lines before doing so. The U.S. Department of Agriculture (USDA) has requirements in place to help protect the environment locally and nationally that are regulated on federal and/or state levels. **

If you have any questions concerning the wood studio or tools, please feel free to email Heather Ashworth, wood studio technician, at hashworth@arrowmont.org.

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 information for your instructor:
avelinosamuelvi@gmail.com