



Education Program



2023 Class Catalogue

This catalogue shows the Guild classes that compose our standard array of classes. By standard, it means that these classes will ideally be offered more than once annually. Other classes will be offered on an individual basis that are not included in this catalogue.

The classes are divided into two major categories: **Safety** and **Woodworking**. All class categories include various techniques and skills involved in woodworking. Let the Class Manager know if you are interested in teaching or have other ideas about what topics we should add to this list.

SAFETY CLASSES

- Intro to Guild Safety
- Getting Started
- Core Tool Certification
- Core Tool Practice
- CNC Certification (See Intro to CNC Class)
- Advanced Tool Certification – Router/Router Table
- Advanced Tool Certification – Sliding Table Saw
- Advanced Tool Certification – Multi-Router
- Advanced Tool Certification – Panto-Router
- Advanced Tool Certification – Wide Belt Sander

WOODWORKING CLASSES

The Basics of Fine Woodworking Series

- The Process of Woodworking
- Understanding Wood
- Basic Joinery
- Introduction to Hand Tools
- Glue-ups
- Introduction to Finishing



Hand Tools Classes

- Introduction to Hand Tools
- Sharpening Chisels and Hand Planes
- Leather Making for Woodworkers
- Coasting Into Kumiko
- Making a Simple Pencil Box
- Hand Tool Saw Bench



Carving Classes

Texturing Techniques with Masa Nitani

Bowl Making with Masa Nitani

Skills/Projects-Beginners+

- The Basics of Milling
- Basics of Connecting Wood with Metal
- Making a Box with a Heart Inlay
- Build a Crosscut Sled for Your Table Saw
- Introduction to Sketchup for Woodworkers
- Think Finish Before You Start
- Applying a Fast-Drying Finish

Skills/Projects-Intermediate

- Table Saw Clinic
- Band Saw Clinic
- Bolstad Table Class
- Build a Stake-Leg Stool
- Veneer Table Lamp



CNC CLASSES

Intro to CNC and Certification Class

SAFETY CLASSES

INTRO TO GUILD SAFETY

Instructor: Jeff Hilber

3-hour class

Prerequisite: Guild Membership

This is an entry-level class required of all members who wish to utilize the Guild Shop bench room or machine room. It provides an overview of the Guild and available programs. It is also the introduction to Guild safety requirements and includes a tour of the existing shop and included equipment. This class is additionally used to determine which new members might benefit from the Getting Started class.

GETTING STARTED – HANDS ON WITH PORTABLE POWER TOOLS *Instructor: Jeff Hilber*

4-hour class

Prerequisite: Intro to Guild Safety

The Getting Started class is a continuation of the safety process in good woodworking practices taught in the Intro to the Guild class. Getting Started is a required class for those needing experience with the safe and appropriate use of portable power tools, prior to starting the path to the Guild's Shop Certification classes. This is a four-hour class, with 2-1/2 hours of practice with a jigsaw, trim router, random orbital sander, drill motors (battery and corded), and circular saw and installing their accessories.

CORE TOOL CERTIFICATION

Instructors: Dennis Dolph; Mark Klein; Bill Keay; Mike Chia; Dick Rohrbaugh, Shou Mo

8-hour class

Prerequisites: Intro to Guild Safety & Getting Started (as applicable)

This class is designed for the member to become certified on the "Core Tools" and is required to work in the Guild machine room or to take classes using the "core" power tools. The class consists of two 4-hour sessions and will certify the member on the commonly used "core" power tools: chop saw, bandsaw, jointer, planer, table saw, stationary sanders and the drill press.

ADVANCED TOOL CERTIFICATION: ROUTERS/ROUTER TABLE *Instructors: Bill Hamilton; Mark Klein*

4-hour class

Prerequisites: Core Tool Certification

This class is about safe use of router and router table and is designed to result in Shop Certification on these machines. The class will focus on the best practices for each operation. The member will see it demonstrated, and have the opportunity to perform the procedures themselves, hands on.

ADVANCED TOOL CERTIFICATION: SLIDING TABLE SAW

Instructor: *Tim Moore*

2-hour class

Prerequisites: Core
Tool Certification

The goal of this training is to provide the member with the information, demonstration and practice to ensure the safe use of this machine. The member will be required to demonstrate that they have understood the information presented and can successfully complete the trained tasks in a safe manner.

ADVANCED TOOL CERTIFICATION: MULTI-ROUTER

Instructor: *Mark Klein*

3-hour class

Prerequisites: Core
Tool Certification

**Router/Router
Table**

The Multi-Router is a mortise & tenon machine for commercial or heavy-duty production of almost any solid-wood joint imaginable. This is an Advanced Tool with the Guild and is the most effective when completing multiple joints with the same or similar setup. This is a step-by-step guide to use the JDS multi-router to build a mortise and tenon joint.

ADVANCED TOOL CERTIFICATION: PANTO-ROUTER

Instructor: *Mark*

Klein

4-hour class

Prerequisites: Core
Tool Certification

**Router/Router
Table**

The PantoRouter™ uses a guide bearing to follow a template which moves the router bit to cut a pattern identical in shape but 1/2 the size. This class focuses on learning how to use the machine safely. Making various joints will be demonstrated and the trainees will then perform the operations on their own to receive certification for the use of this tool.

ADVANCED TOOL CERTIFICATION: WIDE BELT SANDER

Instructor: Tim Moore

3-hour class

**Prerequisites: Core
Tool Certification &
Being a Shop Attendant**

This is training on the safe use of the Wide Belt Sander. Shop rules require the use of this machine to be managed directly by a Shop Attendant (SA) in order to ensure safety of both machine and user. The class will focus on the basic use of the machine including set up, changing the belt, adjusting the height procedures and other related functions. Class is for SA's only at this time.

WOODWORKING CLASSES

THE BASICS OF FINE WOODWORKING SERIES

The Basics of Fine Woodworking Series is designed to provide beginning woodworkers with the basic information and practice to build upon as they begin a progressive journey into woodworking. The series is a total of six (6) classes that cover a variety of topics fundamental to woodworking. Each of the classes will fit into a 4-hour time slot and will consist of lecture, demonstration and hands-on practice as each participant takes a simple project from start to finish by the end of the 6th session.

THE PROCESS OF WOODWORKING: There are various steps involved in taking a woodworking idea from conception to a final product. This session will present a proven sequential path for decision-making, implementation and completion. It will cover, basic concepts of design, layout and measuring.

UNDERSTANDING WOOD: This session will cover the types of wood commonly used in the Pacific Northwest; terminology; grain direction and structure; and what types of wood are suitable for different builds. This session will also build on your knowledge of our core tools as you go through the process of milling a piece of wood for your series project.

BASIC JOINERY: There are many types of joints for joining wood. This session will cover the types of joints most commonly used, and where some joints are more suitable for one application over another. Students will use the table saw to cut the joinery for their session project.

INTRODUCTION TO HAND TOOLS: This session will introduce the student to various hand tools that are commonly used in woodworking. Topics include what to look for when evaluating the condition of a hand tool and designed use for each tool presented. Students will adjust a hand plane and practice making shavings. Students will use chisels to fine tune the joints on their series project in the next session. Students may use a block plane to bevel proud joinery.

GLUE-UPS: Glue-ups present the most stressful aspect of a project unless properly planned and prepared for. This session will cover how to plan and prepare for glue-ups, including glue types, clamps and other methods to position parts for a successful glue-up. Students will glue and clamp their series project.

INTRODUCTION TO FINISHING: In this final session, the instructor will discuss and demonstrate surface preparation and multiple ways to finish a woodworking project. Students will prepare the surface of their projects and finish their projects with shellac.

Prerequisites: Core Tools Certification

HAND TOOL CLASSES

INTRODUCTION TO HAND TOOLS

Instructor: Ken Hall

Demo/Lecture Class

3-hour class

Prerequisites: Intro to Guild Safety

This class is an introductory class to the common hand tools of the basic bench tool kit. The class will cover hand planes, chisels, saws and measuring and layout tools. This class will introduce you to the common hand-powered tools of the basic woodworking tool kit. We will discuss benches, hand planes, chisels, saws, and measuring and layout tools. You will learn about their use and care. The objective of this class is to see the range of hand tools used in woodworking so that you can become better shoppers for tools when that time comes.

SHARPENING CHISELS AND PLANE IRONS

Instructor: Tim Moore

Hands-On Class

4-hour class

Prerequisites: Intro to Guild Safety

This is a four-hour class is designed to bring your chisels and plane irons up to an acceptable level of sharpening, good enough to get back to woodworking quickly. We will focus on how we sharpen the Guild's own tools, primarily using our Veritas sharpening jig since it is relatively simple and the results are repeatable. We will also briefly cover other approaches, such as sandpaper (Scary

Sharp®) and a basic jig, such as the Eclipse and its clones.



MAKING A SIMPLE PENCIL BOX

Instructor: Ruth Warbington

Hands-On Class
(2) 4-hour classes

**Prerequisites: Intro
to Guild Safety**

In this class, you'll use only hand tools to make a butt-joined sliding-lid box from a pine board. Emphasis will be on learning and using hand tool techniques; final box finishing may take place after class. You'll hand saw parts to size and then square up and refine parts with hand planes. A plow plane is used to cut grooves for the sliding box lid. Then chamfer the lid with hand planes and create a recessed pull with a carving gouge and a bench chisel. Finish the box with a smoothing plane and add fine chamfers on all edges. The box is about 10" long by 5" wide by 3.5" high.



Hand tool beginners and intermediates are welcome. Skills to be practiced: hand sawing to medium precision; planing edges straight and square, flattening, grooving, shooting ends and sides, chamfering and smoothing. Bring your own tools if you have them, but don't shop for saws and planes just for this class. We'll have enough saws, planes, and chisels for everyone.

BUILD A SAW BENCH WITH HAND TOOLS

Instructor: KEN HALL

Hands-On Class
8-hour classes

**Prerequisites: Intro
to Guild Safety**

In this class, the student learns to make a simple saw bench by using only hand tools. This type of bench is critical for the use of saws in the process of preparing wood without machinery. The class includes:

- *Introduction to layout and cutting of materials to match cut list*
- *Learn how to prepare stock for joinery*
- *Use hand or panel saws to break down stock using a saw bench*
- *How to make accurate joinery cuts with hand saws*
- *Use of bench plane to flatten and square stock*
- *Determination of reference faces and edge*
- *Determination of show faces and edges*
- *Layout and cutting of joints with cutting gauge, joinery saws, router planes, and chisels*
- *Use marking gauges to cut lines for better saw cuts*
- *Use of cut nails in to re-enforce joinery*
- *Use liquid hide glue for joinery*
- *How to customize the saw bench for your use*



LEATHERWORKING FOR WOODWORKERS

Instructor: *Tim Moore*

Hands-On Class

4-hour class

Prerequisites: Intro
to Guild Safety

This 4-hour class is for students who want to design and produce durable and attractive leather sheaths for woodworking tools such as draw knives, spokeshaves, small saws and hatchets. This will allow them to store and transport edged tools more safely. Students will also get to try various leatherworking tools, in order to help them buy their own in the future. They should be able to go home with one sheath of their making, sewn and ready to apply a finish.

COASTING INTO KUMIKO

Instructor: *Ruth Warbington*

Hands-On Class

4-hour class

Prerequisites: Intro
to Guild Safety

Enjoy a quiet shop and an introduction to kumiko as you build a drink coaster. The only tools used are a small hand saw and a 1" bench chisel. You will improve your skills with both, but you don't need any experience to start. You'll use the hand saw to cut pieces to length and then use a beveling jig to carefully shave the necessary angles on each end with a chisel. Bevel jigs, wood strips, chisel and saw will be provided. Bring your own chisel and small saw if you have them.



CARVING CLASSES

TEXTURING TECHNIQUES WITH MASA NITANI

Instructor: *Masa Nitani*

Hands-On Class

4-hour class

Prerequisites:
Carving Certification

This class will cover a variety of texturing techniques that you can apply to your own projects later. The texturing on the photos above show examples of hair, scales, and repeating pattern of what we'll explore.

Basswood and Walnut will be provided, but students are welcome to bring their own wood. Most texturing will be done on Basswood, and we will use a Walnut board to create shallow textured channels following its grain patterns.



BOWL MAKING WITH MASA NITANI

Instructor: Masa Nitani

Hands-On Class
Two 4-hour classes
Prerequisites: Carving Certification

You will be provided with a sizable block of Walnut or another hardwood to create a unique bowl. The wood may be green or dry depending on our luck shopping. Masa likes to work with green wood because it is easier to work. It also presents challenges with cracking while it dries, but he will show various ways to handle these, along with the finishing steps.



SKILLS/PROJECTS BEGINNERS+

THE BASICS OF MILLING

Instructor: Dick Rohrbaugh

Hands-On Class
4-hour class
Prerequisites: Core Tool Certification

Every successful project begins with properly milled wood. There just is no way around it. This class will cover wood characteristics, movement issues, grain difficulties and tear out problems, all of which affect the quality of the milling process. Milling instruction begins with rough lumber and through the entire milling process in order to produce stock that is straight, flat, square and ready to use in any project. Materials will be provided.



BASICS OF CONNECTING WOOD WITH METAL

Instructor: Tim Moore

Hands-On Class
4-hour class
Prerequisites: Intro to Guild Safety

An introduction to nails, screws and other hardware every beginning woodworker needs to know! The instructor will cover the invaluable uses of fasteners and how they can be used to build furniture and many other projects. So, save that fancy joinery and glue for another day, learn the ins and outs of bolts, nails and screws and start building something today!



MAKE A BOX WITH A HEART INLAY FOR VALENTINES DAY

Instructor: Carol Boyd

Hands-On Class
4-hour class

Prerequisites: Core Tool Certification and Router Certification

Learn how to do a simple inlay. You will create an inlay in the side of a box using a template and a router. A precut box kit will be provided to all students and at the end of the session, you will go home with a glued-up box with an inlay. There will be a follow up session for those who would like assistance in finishing their box.



If you prefer, you can bring your own piece for the inlay – it must be able to hold a 2” inlay. Please contact the instructor ahead of time if you want to do this.

BUILD A CROSSCUT SLED FOR YOUR TABLE SAW

Instructor: Dick Rohrbaugh

Hands-On Class
4-hour class

Prerequisites: Core Tool Certification

The student will be shown the steps to building one of the handiest Table Saw accessories you can have in your shop - A Crosscut sled! With this sled the member will be able to safely cross cut wide pieces with ease and accuracy. This class will include Practice on the Table Saw cutting sled parts, gluing up the fence, and square up the sled’s fence using the 5-cut test. Each member will go home with a completed sled that they can adapt to their saw.

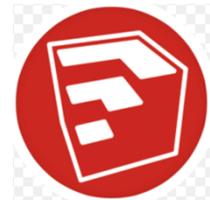
INTRODUCTION TO SKETCHUP FOR WOODWORKERS

Instructor: Tom Wildman

Zoom Class
8-hour class

Prerequisites: Intro to Guild Safety

This three-part class will teach the students how to create realistic, dimension-accurate 3D models of their concepts and working designs using SketchUp. The class will be conducted remotely using Zoom. Registrants will receive the Zoom link before the class.



- First Session: This session will introduce the student to Sketchup and some of the essential concepts and techniques.
- Second Session: In this session basic skills learned are applied to more complex concepts.
- Third Session: In this session, the skills are learned to create a complex piece of furniture.

THINK FINISH BEFORE YOU START

Instructor: Chip Webster

Hands-On Class
4-hour class

Prerequisites: Intro to Guild Safety

This is an introductory seminar in finishing. Students will learn why a finish is applied, a summary of several types of finishes commonly used in making furniture, and the shop environment, tools and equipment used to produce the desired finish. Safety will be addressed.

Students will be exposed to the concept of “Think finish first”, the questions that should be answered before starting a project. They will learn techniques for surface preparation of stock to accept a finish, types and use of lighting to detect surface imperfections and inspect coverage and aid in color application, and the use of solvents to examine the expected color and look of a board

prior to finishing as well as to detect surface imperfections. Correcting surface preparation issues and blotching will be covered. Students will be exposed to the concept of “finishing the finish”. Beginners are welcome.

APPLYING A FAST-DRYING VARNISH FINISH

Instructor: Chip Webster

Hands-On Class
4-hour class
Prerequisites: Intro to Guild Safety

Students will learn a summary of several types of finishes commonly used in making furniture with an emphasis on varnish. In addition, they will learn techniques for surface preparation; how to use solvents; lighting techniques; methods for correcting preparation errors and other related subjects. Two coats of finish will be applied during the course of the class. Students will be able to observe when a coat is ready to be sanded. Learn how to “finish the finish” by rubbing out a cured finish, applying wax and polishing. Beginners are welcome.

SKILLS/PROJECTS – Intermediate

TABLE SAW CLINIC

Instructor: Bill Hamilton

Hands-On Class
4-hour class
Prerequisites: Core Tool Certification

This class picks up where the Core Tool training left off. The class will cover many additional uses of the table saw, including; dados, grooves and rabbets, blade options, bevels, miters, as well as jigs (tape, box, etc.) and sleds. It will also include answering specific table saw application questions from the students. If you are interested in raising your table saw game, then this is the class for you.

BANDSAW CLINIC

Instructor: Chip Webster

Hands-On Class
8-hour class
Prerequisites: Core Tool Certification

- Instructor Chip Webster & Assistant
- 4 class hours

In this class, the curriculum provides the student with expanded knowledge of this amazing tool. Based on the famous Michael Fortune Band Saw Clinic, the student learns how to set up a band saw, blade selection, jigs and fixtures and cutting technique.

BOLSTAD TABLE CLASS

Instructor: Bill Hamilton

Hands-On Class

16-hour class

Prerequisites: Core
Tool Certification

Based on the design by long-time professional member Bill Bolstad, this entry-style table has a floating top and curved edges. It is an intense class on various techniques and the instructor covers various options that the student might consider in future personal builds. The student leaves with a completed table.



BUILD A STAKE-LEG STOOL

Instructor: Steve Poland

Hands-On Class

6-hour class

Prerequisites: Core
Tool Certification

In this class pilot we will discuss various design options for your future stake-leg stool projects, and then you will create your own simple stool. Instructor will describe a range of approaches to forming cylindrical tenons that the instructor worked through before arriving at methods for creating accurate and strong cylindrical mortise and tenon joints without use of a lathe.



VENEER TABLE LAMP BUILD

Instructor: Mark Klein

Hands-On Class

8-hour class

Prerequisites: Core
Tool Certification

Learn how to build this stunning contemporary table lamp with Mark Klein. The design and photo are from Christian Becksvoort, a longtime Fine Woodworking contributor. Hone your skills doing cross lap and sturdy tenon joinery using the table saw, hollow chisel mortiser, and router. You will also get some tips for working with veneers. Each student should go home with a lamp complete with the electrical parts and finished with shellac.



CNC CLASSES

Hands-On Class

8-hour class

Prerequisites: Intro
to Guild Safety

INTRO TO CNC AND CERTIFICATION

Instructors: CNC Team

There's a lot to learn to effectively use a CNC machine. There is foundational knowledge that provides context and necessary background as well as skill development in the use of design and operations software, and operation of the CNC machine itself. The intro class will provide you with the knowledge and skills to complete a simple project. This class pairs each student with a mentor during the class and after. Upon completing the class, the member is certified to use the Guild CNC equipment.

CURRENTLY SCHEDULED CLASSES:

TO SEE WHAT CLASSES ARE AVAILABLE AT THIS TIME, CHECK FOR THE POSTINGS ON THE EDUCATION CALENDAR –

<https://guildoforegonwoodworkers.org/Education-Calendar>

