

## OFFUTT AFB WOOD SHOP

### Class Descriptions

**Basic and Intermediate Lathe Classes** - Join Wayne in this individualized class; students will participate in an instructor facilitated open woodworking class for novices or more advanced students. You will learn about different types of lathe tools, lathe operations, all of the working parts of a lathe and great ways to use them. Bring your own project and receive advice and support tailored to your needs and desires. This is not a project class but there will be some hands on. Cost \$20.00 for each two hour session.

**Basic finishing** – Bring a pencil and pad to learn the basics and then some about finishing. The goal of this class is to help you make more informed decisions concerning the finishes you use on your projects. We will address finish selection, wood preparation, staining and top coat. Cost \$15.00

**Beginning & Beyond** – Join Wayne in this individualized class; he will facilitate an open woodworking class for novices or more advanced students, Bring your own project and receive advice and support tailored to your needs and desires. The project will be defined by the student and instructor as well as the number of sessions required to complete it. Session schedule may occur at any time acceptable to the instructor and the student. Cost \$20.00 for each two hour session.

**Cabinet Making** - If you have wanted to build some cabinets or storage, give us a call...learn the basics from the ground up: we will select, cut, thickness plane and glue up your wood; finish plane, join, rip and size (crosscut) your components; sand until smooth, rout the edge, assemble and check for square. Shop materials are provided to build a small class project over the four 2 hour sessions. Want to build a new bathroom vanity? Bring us the requirements and we will make it in class. Cost \$65.00: training materials provided; student provides materials if building their own cabinet.

**Crown Molding** – Have you ever wanted to install crown molding in your home but just weren't sure of the technique? Join us to learn how to cut and apply crown molding to inside and outside corners in the home, on furniture or in building an upscale shelf. Cost \$20.00

**Dove Tail Joinery** – This class features a Porter Cable commercial jig. Learn jig set up, tips and troubleshooting. Don't be surprised if it doesn't work the first time, it rarely is - that is why the class is hands on. Even with all the trouble, once you get it set up the joints can't be beat for quality, beauty or pride. Own your own jig; bring it in and let us help you work through the setup process. Cost \$20.00

**Furniture Repair Clinic** – This is an individualized class; students will participate in the structural repair of a piece of furniture. The piece worked on will be provided by the student. The number of sessions required to complete the project will be determined between the instructor and the student. Session schedule may occur at any time acceptable to the instructor and the student. Cost \$20.00 / 2 hour session.

**Installing Architectural moldings; crown, case & base** – Do you want to replace that tired ranch molding in your house with architectural moldings (base & case)? Join us to learn how to miter and install those perfect window and door casings. Cost \$20.00

**Mortise and Tendon Joinery** – The mortise and tendon joint is one of the strongest, most important and frequently used joints found in cabinetry and furniture making. We will show you how to lay out the components, use the mortising tool and tenoning jig and assemble attractive, strong and long lasting joints. Cost \$20.00

**Pen Turning** – Join us in our wooden pen turning class and learn the basics of pen making; wood selection, turning blanks and choosing a pen kit; then scheduled some time on the lathe to create a beautiful pen that will last for years. Cost \$15.00

**Raised Panel Doors** - Bill will show you how to make stile and rail frames and raised panel doors using the shaper table. Topics covered will include safety, bit selection, shapers, routers, router tables, stock preparation and raised panel construction. The class will participate in the construction of cabinet doors for installation and use by the Offutt AFB Frame and Design Arts shop. Shop materials will be provided by the Frame and Design Arts Shop; the class requires two sessions. Cost \$45.00 for two 2 hour sessions.

**Resawing on the table saw and bandsaw** – Let us show you how to cut that thin stock and plane it to a perfect surface for those fancy boxes, drawers and panels. We will use feather boards to stabilize the stock in the cutting process and build a planning jig to size that perfect plank. Cost \$20.00

**Router Basics** – This class follows the safety class. It provides you with descriptions of router components, features and techniques in basic joinery using jigs, router tables and free hand routing. Cost \$15.00

**Safety & Orientation** – This class normally takes 60 minutes and is designed to provide an overview of shop procedures, the equipment available for your use and safety considerations. At completion, the student receives their equipment operation and safety card for use at any military installation Wood Shop. Cost \$10.00

**Sharpening Chisels & Plane Irons** – We guide you, step-by-step, through every phase of sharpening chisels and plane irons, from flattening the back of a chisel or iron, to grinding the bevel, through final honing. We also provide instructions on grinding a hollow ground bevel on a wheel grinder, adding a micro-bevel to an edge, and building sharpening jigs. Cost \$20.00

**Wood Shop 101** – If you have been looking for a Beginning Woodworking class, look no further... learn the basics from the ground up; lumber selection, tool operation, wood working techniques, assembly and finish. Join Jeff as he guides you through four sessions tailored to give you experience with essential wood working tools. Shop materials are provided to build a small step stool over four 2 hour sessions. Cost \$40.00