



WDWK 2459

Advanced Woodworking

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Description:

This course offers advancing students of woodworking the opportunity to learn techniques of hardwood furniture construction and component design from an instructor with over 30 years of experience in designing and building hardwood furniture. In this class students will build a side table designed by the instructor with a drawer and a bottom shelf using material that the student will supply. Material needed is approximately 17 board feet. Woods such as Cherry or Walnut cost \$7 or more per board foot. There is a focus on material selection, correct milling techniques, sequencing, fitting and sanding. A method of mortising, tenoning and dovetailing will be taught. Most techniques taught in the 16 week course use machine tools but some hand tool technique and sharpening is also covered. Students will also gain insight into tuning and maintaining machinery to accomplish fine work.

Objective:

At the finish of the course students should have a better understanding of:

- ❖ the basics of material selection for fine furniture
- ❖ wood movement and design basics for solid wood
- ❖ the importance of *sequencing* in construction & sanding
- ❖ drawer construction, fitting, and drawer finish
- ❖ the role of machine maintenance in finishing
- ❖ the role of sanding in finishing

In addition they should be able to:

- ❖ Construct a table with a drawer that is properly fit