

BOB LANG is executive editor of Popular Woodworking Magazine and the author of “Woodworker’s Guide to SketchUp”, “Building Blocks of SketchUp” and five books of measured drawings of furniture and interiors of the Arts & Crafts movement of the early 20th century including “Shop Drawings for Craftsman Furniture”, “Shop Drawings for Craftsman Interiors”, and “Shop Drawings for Greene & Greene Furniture”. He is also the author of “The Complete Kitchen Cabinetmaker” and “Drafting & Design for Woodworkers”. In addition to his editorial duties, Bob designs and builds many of the magazine’s projects and is responsible for many of the illustrations and measured drawings.

Before joining the magazine in 2004, he spent more than 25 years designing and building custom cabinets and furniture, both in his own shops and in large commercial shops. During the last five years of this period, he served as project manager for a number of large commercial and residential projects, developing working drawings in AutoCAD and planning and supervising the fabrication and installation of custom cabinets and millwork. His work has also appeared in Fine Woodworking, Woodshop News, and Woodwork magazines.

COURSE DESCRIPTION:

SketchUp is a 3D modeling program that will make you a better woodworker. Learn to build a project on your computer before heading to the shop, and you will have detailed, accurate information and work sequences at your fingertips. With SketchUp you can develop working plans and explore design variations quickly and efficiently. Starting with setting up an efficient drawing environment, the class will quickly learn to make, modify and manipulate parts. Parts will then be combined into basic furniture forms in ways that will simplify both the design and the building process. In addition to learning how to use the software, students will also learn the process of designing attractive, well-made furniture. The information in a good design is a powerful tool for the shop, and we will explore ways to extract and use that information to generate printed working drawings and accurate cut lists and to plan work sequences.

SketchUp is available as a free download at sketchup.com. Students will need to bring their own computer to class. Students will also need a 3-button scroll wheel mouse. The 3-button mouse is essential to working with this program efficiently. Students should download and install the program and work through the included tutorial before class.

Key Points:

- *Overcome the common problems SketchUp beginners struggle with
- *Learn efficient methods of planning your work, perfecting the plan and extracting useful information from your plan.
- *Prevent mistakes in the shop by building a virtual model of your next project
- *Explore design variations with a few clicks of the mouse
- *Generate accurate three-dimensional cut lists showing every part and every joint
- *Develop plans quickly so you can spend more time in the shop.