

Course Syllabus

Cabinet Making #1

(2 credits)

117 hours

Course Description: This course will stress planning and construction of small and medium-sized woodworking projects. These projects will be developed using hand and machine tools incorporating methods used in industry.

Course Objectives:

- 1) Students will learn and practice safety rules and regulations of the wood shop.
- 2) Students will sharpen, tune, and efficiently use woodworking hand tools to professional standards.
- 3) Students will sharpen, adjust, and efficiently operate the joiner, thickness planer, band saw, table saw, turning lathe, and radial arm saw along with other hand tools in the shop.
- 4) Students will perform 7 individual joints used in cabinetry.
- 5) Students will complete a small project of their choice using tools in the wood shop.

Instruction:

- A. Shop Safety
 1. Eye protection
 2. Hearing protection
 3. Conduct
 4. Clothing
 5. Material Safety Data Sheets

- B. Sharpening Fundamentals
 1. Grinding techniques

- C. Measuring Tools
 1. Tape
 2. Protractor
 3. Scale

- D. Stationary Power Tools (includes sharpening, adjustments and safe operation)
 1. Planer
 2. Chop saw
 3. Grinder
 4. Disc sander
 5. Shaper
 6. Table saw

- E. Portable Power Tools
 1. Drills
 2. Routers

3. Circular saw
4. Sanders

F. Wood Technology

1. Wood types
2. Grading
3. Shrinkage predictions
4. Moisture meter

G. Adhesives

1. Epoxy
2. water-based
3. Oil-based
4. Polyurethane

