

FRANKIN STREET FINE WOODWORK

Syllabus: Beginning Woodwork

Introduction

- Studio tour (first aid kit etc.)
- Studio policy – read through with class
- Review project outline
- Handout and review plans - chopping board

The Project Process

1. Project Design
2. Wood selection
3. Milling
4. Joinery
5. Construction
6. Finish Prep
7. Finishing

1. Project Design

Introduction of furniture design

Tools Needed: Pencil, ruler, imagination, eraser, quad lined paper

- Conceptual
- Construction drawings and joinery plans
- Cut Lists

2. Wood Selection

Tools Needed: Tape measure, cut list, project requirements

Introduction to lumber and how to select lumber:

- What woods work best for what project
- What are generally available woods
- Where do I buy my wood
- How to calculate how much wood you will need
- What to look for when buying wood

3. Milling

Introduction to Milling.

- Straight, Square, Flat and True
- Problems in wood – cupping, twisting etc how to solve or not
- Methods of milling
- Difficult woods – useful techniques

Introduction to:

- Jointer
- Planer
- Miter saw
- Table Saw

Machinery Part 5

Machines - Use, set-up and safety

- Router – Plunge/Fixed

Construction

- Introduction to Adhesives
- The glue up process

Introduction to Clamps and clamping strategies

4. Finish Preparation

- The sanding process/Surface Preparation
- Sandpaper
- Overview of sanders, set up and use
- Removing glue
- Fixing dings/dents/holes
- Dry clamping

5. Finishing

- Introduction to finishing
 - Dyes
 - Stains
 - Glazes
- Finish products advantages & disadvantages
 - Oil & Oil/Varnish
 - Shellac
 - Polyurethane