

Construction Technology 10

This is an introductory construction class designed to implement identification of tools, materials, and basic safety procedures used in the construction industry. Some important items covered which are essential in this trade are measurements, proper cutting methods, safe environments and pre-requisites for intermediate and advanced construction modules.

INTRODUCTORY MODULES INCLUDE:

Con 1010 Construction Tools and Materials (This is a prerequisite for Construction 20 and 30.)

Identify and use chisels, planes, mallets, drills and sanders to create a project. Proper measurement and marking skills with hand tools and finishing techniques will apply. Chapters 19, 20, 21, 22, 59 and measurement. Course Work 30%, Projects and skill rating 70%

Con 1120 Project Management - Note: This is a prerequisite for Construction 20 and 30.

Involves sketching and drawing objects supplied. Complete orthographic and isometric drawings to scale of your project. Complete calculations for lineal, area and volume of lumber to cost your project. Prepare and planning of assembly procedure to complete your project. Chapters 16, 25, 31, 26, 28, and 33. Tests 25, 31, 26, 28, and 33. Project: Students' own project at students cost. Course Work 50%, Project and skill rating, 50%

Con 1130 Solid Stock Construction

Interpret drawings to create a project from solid stock. Complete theory and safety tests and use Jointer, Thickness Planer, Table Saw, Band Saw, Router, and Miter/Chop Saws. Proper gluing and clamping procedures for built up projects and project assembly. Preparing and applying a finish. Chapters 25, 31, 26, 28, 33, 39. Tests 25, 31, 26, 28, and 33. Project: Stool or bed side table. Course Work 30%, Project and skill rating, 70%

Con 1160 Manufactured Materials

Use manufactured materials such as plywood, MDF, Masonite etc. to create dadoes, miters, and rabbets to create a project. This can be combined with another project. This will use all major power tools. Chapters 25, 31, 26, 28, 33, 39, and 8. Tests 25, 31, 26, 28, and 33. Project: Stool or bedside table. Course Work 30%, Project and skill rating, 70%

Con 1910 Project A

Students will make a project proposal which includes drawing, cost sheets, and a plan of procedure. Course work includes chapters 60, and 61. Course Work 35 %, Projects and skill rating 65 %