

**140R 1st Semester**

**Course Objectives**

* Students will understand and demonstrate the safety associated with machine, power tool, and hand tool usage.
	+ Demonstrate proper safety and usage of machines, power tools, and hand tools.
	+ Pass with 100% a safety exam.
* Students will demonstrate understanding of project planning.
	+ Interpret a multi-view drawing of core project.
	+ Interpret detail drawings that are necessary to construct core project.
	+ Fill out a cut list/estimate sheet of core project.
	+ Fill out a plan-of-procedure for certain parts of project.
	+ Follow a “Gantt Chart” for project scheduling.
* Students will demonstrate mastery of basic jointery.
	+ Incorporate the following joints into the core project: Dado, Blind Dado, Rabbet, Butt, Dowel, Domino, Biscuit, Pocket, Cope & Stick, and Machine Dovetail, Sliding Dovetail.
* Students will demonstrate mastery of basic operations.
	+ Incorporate the following operations into the core project: Flat panel build-up, Squaring a panel, Face frame, Web frame, Flush trimming, 5 piece drawer, Wooden drawer guide, Raised panel.

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