

# Course Syllabus



## ETE 2030 – Architecture and Construction Systems – Fall 2008

**Instructor:** Wade Goodridge  
**Telephone:** 797-1796 or UWRL 797-3171  
**EMAIL:** wade.goodridge@aggiemail.usu.edu

**Office Hours:** by appointment  
**Room No:** IS 116  
**Meeting Time:** T,TH 9:00 – 11:50

### Introduction:

The structure of the course is designed to introduce the basics of Woodworking including joinery, identification, safety, cabinetry, and furniture construction. Part of the course will also deal with mass production as it would be seen in industry. We will incorporate the two concepts in a mass production run.

### Text:

*Modern Woodworking* (11<sup>th</sup> Edition) by Wagner and Kicklighter. Publisher is Goodheart-Wilcox Co. Inc.

### Extra References:

*Cabinetmaking and Millwork* (1970-1988 Ed.) by John L. Feirer. Scribners Bennett for 1970, Bennett for 1982 Revised, or MacMillan Publishing Company for 1988.

*Modern Cabinetmaking* (4<sup>th</sup> Edition) by Charles Davis and William Umstattd. Publisher is Goodheart-Wilcox Co. Inc.

*Processes of Manufacturing* (4<sup>th</sup> Edition) by R. Thomas Wright. Goodheart-Wilcox Co. Inc.

### Expected Outcomes:

Upon completion of this course the student will be able to:

- Demonstrate an understanding and use of all the major pieces of equipment used in a woodworking shop. Emphasis will be placed on safety.
- Demonstrate the correct identification of species of hardwoods and softwoods used in the industry.
- Demonstrate an understanding of how to read construction documents.
- Demonstrate an understanding of the principles of construction used in cabinetry and furniture making.
- Demonstrate an understanding of joinery techniques and their application.
- Demonstrate creative thinking skills.
- Create complete and accurate working drawings.
- Demonstrate an understanding of the fundamental components found in a mass production run.
- Successfully implement a manufacturing process to complete a product using mass production techniques.
- Develop an understanding of the structures involved in successful production industries.
- Implement and run a mock company for the creation and distribution of a product.

#### Course Activities:

- Complete all assigned readings and tests.
- Completion of all projects.
- Completion of a group project (the production run).

#### Evaluation Method: (Course)

Projects	- 50%
Design Notebook	- 10%
Production Run	- 20%
Quizzes	- 10%
<u>Final Exam</u>	<u>- 10%</u>
Total	- 100%

Note: All Problems/Projects are due at the assigned times. There will be a penalty of 20% for all late items.

#### Evaluation Criteria: (Projects):

Accuracy to plans	- 25%
Presentation in plans	- 10%
Correct use of joinery and other construction techniques	- 40%
<u>Aesthetics</u>	<u>- 25%</u>
Total	- 100%

#### Attendance:

Attendance at all class periods is a requirement of the course. Students are expected to be in class and lab for the entire time scheduled. You simply cannot complete a project without being present. Role will be taken at the beginning of each lecture session. Tardiness and/or unexcused absences will affect your final grade.

## Final Exam:

9:30-11:20 Dec 11<sup>th</sup> (Thursday)

## Fees & Materials:

- \*\* 1 -- pair hearing protection
- \*\* 1 -- Pair Safety Glasses with Side protection
- \*\* 1 -- Pair Coveralls if you do not want to get dusty
- \*\* Three ring notebook for supplemental materials
- \*\* Flexible steel tape (6+ feet in length)
- \*\* Payment for supplies used for individual project. Supplies may be purchased through the lab and Payment made at the cashiers office. This includes a final bill of material written up by student covering items from stock room like dowels, abrasive paper, drawer guides, ect. Final bills must be calculated, approved, and paid by student prior to administration of final exam.
- \*\* \$17 for consumables (materials, tools, and components)

## Woods Lab:

Environment: Please leave your work areas clean and have consideration for other students at work. Put away any tools that you used during the lab time. There will be a general cleanup for the last 5 minutes of the course. You are required to be present for this cleanup process and attendance will be taken during this part of the class.

## Special Needs:

Students with ADA-documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, (435) 797-2444 voice, (435) 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.