

Note: This is a blended course whereby you will be required to complete work on-line (through eCollege) and come to campus (live class) during the semester.

Course Description:

The purpose of this course is to enable individuals to utilize laboratory equipment in the teaching of agricultural mechanical skills. Emphasis is placed on skill development, curriculum implementation, and the maintenance of common equipment found in agricultural mechanic shops and laboratories. Additional focus will be on developing safe practices related to mechanized agricultural systems and developing competencies regarding agricultural Career Development Events and project shows.

Text:

Herren, R. V. (2009). Agricultural mechanics: Fundamentals and applications (6th edition). Clifton Park, NY: Cengage Learning (ISBN-13: 978-1-4354-0097-9).

Course Readings: Selected articles and manuscripts. Materials provided online.

Hardware/software requirements:

It is your responsibility to make sure that your computer has all the requirements necessary to for an online class. Computer problems are not excused reasons for incomplete work. Please check the status of your computer before the beginning of class.

Student Learning Outcomes:

- Synthesis of learning activities for laboratory management in agricultural mechanics.
- Selection of appropriate methods and techniques for machinery and equipment.

Course Objectives:

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

1. How to properly identify instructional programs suitable for agricultural mechanical proficiency.
2. Practice & model safety procedures in an agricultural mechanics laboratory.
3. Demonstrate basic shop skills common to agricultural mechanics laboratories through the construction of agricultural mechanics projects.
4. Analyze research articles and discuss relevance to course topics.

Grade Determination:

	<i>Possible Points</i>
Online interaction/discussion/participation	100
Laboratory projects (5 @ 100pts each)	500
Final Exam	100

$$\text{Your Grade (\%)} = \frac{\text{Points Earned}}{700}$$

(A = 90 or above, B = 80-89, C = 70-79, D = 60-69, F = below 60)

Final authority regarding students' grades is the responsibility of the professor.

Online Interaction, Discussion, and Participation

Students are **expected** to participate in the course to discuss experiences and observations, as well as reflect on assigned readings. Just being “*logged on*” is not the same as engaged in the learning process. By discussing issues and asking questions, you will reinforce learning through a multi-sensory approach. **You will have 5 Modules.** There will be one online activity or discussion prompt per module worth ten points each for a total of 20 possible points per module for online discussion and participation.

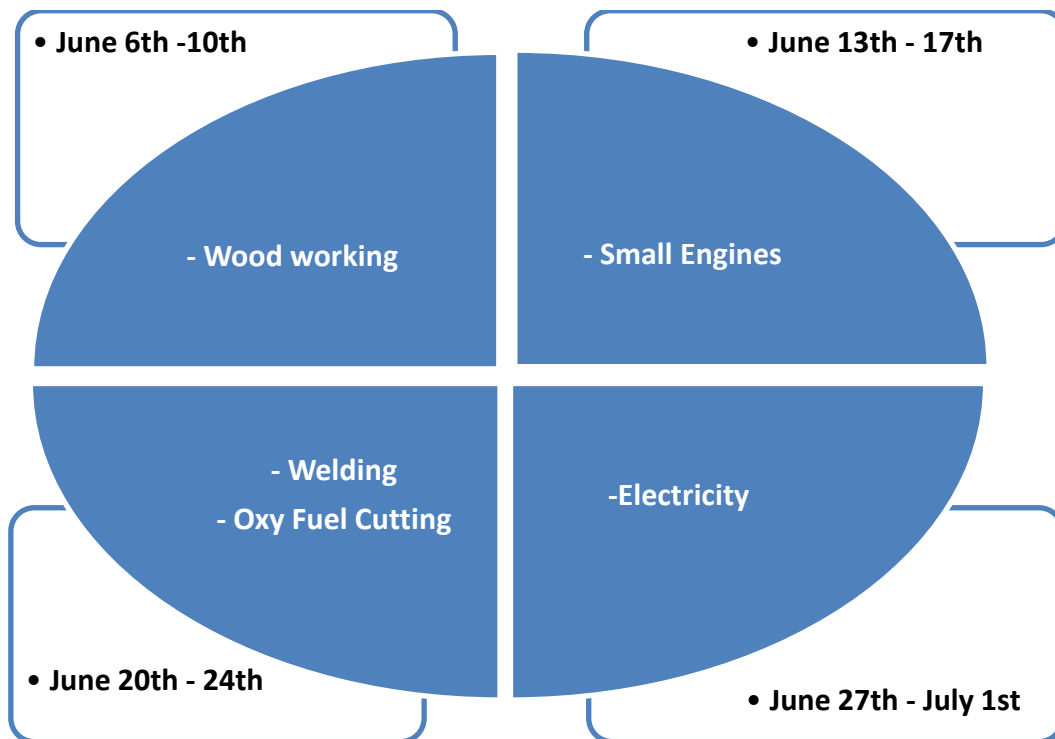
Laboratory Projects

Students will complete a total of 5 laboratory projects centered on the topics to be discussed in the course. A major component in the total project is the students *Plan of Implementation* which will detail how the projects can be modified (if necessary) to work in a secondary setting. Each project is worth 100 points.

Final Exam

Final exam (comprehensive) will come from course concepts.

Course Schedule (See note below)



Note: These are the *anticipated* dates for On-Campus classes. Dates are subject to change.

Week	Topics	Assignments Due (By end of week)
1 June 6 th – 10 th	Safe Shop Practices Woodworking	Module 1
2 June 13 th – 17 th	Small Gasoline Engines	Module 2
3 June 20 th – 24 th	Welding Oxy-fuel Cutting	Module 3
4 June 27 th – July 1 st	Electrical Principles	Module 4
5 July 5 th – 7 th	Curriculum & Program Planning	Module 5
July 8th Final Exam	Exam opens @ 8am and closes at 5pm	

The professor reserves the right to modify or adapt the syllabus and/or schedule for this course to accommodate the instructional needs of the students or the administrative needs of the university.

Class Syllabus Addendum

Professionalism

Students are expected to engage in class as scheduled. Their participation in class discussion should follow the basic principles of common courtesy, decency, and cooperation with peers and instructional personnel. Rude and disruptive behavior, as well as cheating, in any form, will not be tolerated.

Reasonable Accommodations

Requests from students with disabilities for reasonable accommodations must go through the Academic Support Committee. For more information, contact Director of Disability Services at 903/886-5835.

Office Hours

A meeting can be scheduled for consultation. I have an open door policy and will try to assist students any time that I am available. However, occasionally the professorial demands of class preparation, research, and service prohibit immediate drop-in service. If you need to schedule a meeting, just shoot me an email.

Academic Honesty and Integrity

Students are expected to do their own work. Assistance with written assignments, such as proofreading or editing, is encouraged as long as the final concepts and product are those drafted and authored by the student. Information or materials (including ideas, quotes, data, procedures, etc.) from sources other than the student must be given proper credit through appropriate citation. The discipline of Agricultural Education uses the APA format (6th edition) as its primary style guide for publications, including research papers and reports. Assistance with this format and general guidelines for written assignments are available at the following source:

The Online Writing Lab at Purdue University
<http://owl.english.purdue.edu/owl/resource/560/01/>

Academic honesty and integrity is expected of all students. Cheating including but not limited to copying, using notes when prohibited by instructor, and plagiarism (as defined by the Council of Writing Program Administrators <http://www.wpacouncil.org/node/9>) will not be tolerated. Penalties may include grade reduction or suspension from class, depending on the frequency and severity of the violation.

Campus Concealed Carry

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to (<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>) and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.