



School of Agriculture

Department of Agricultural & Family Education AMC – 315: Agricultural Systems Technology Management Syllabus (Fall 2017)

Instructor

Douglas D. LaVergne, Ph.D.
144 Charles S. Austin Building
PO Box 3011
Phone: (903) 886 – 5353
E-Mail: doug.lavergne@tamuc.edu

Office Hours

If the door is open, come on in. If you need to schedule something, see me; Email - anytime.

Course Description

This course encompasses methods of planning, teaching, and motivating students in agricultural mechanics. The course is designed for students preparing to teach agricultural science in public schools of Texas. Focus will be on developing the necessary skills to facilitate and supervise a successful agricultural mechanics program.

Course Objectives

Upon successful completion of this course, a student should be able to:

- Practice and model safety procedures in an agricultural mechanics laboratory.
- Identify tools and materials common to agricultural mechanics laboratories.
- Demonstrate basic shop skills common to agricultural mechanics laboratories through the construction of agricultural mechanics projects.
- Develop instructional objectives for the agricultural mechanics laboratory.
- Utilize various laboratory teaching procedures and management techniques.

Class Hours

Lecture

Monday 11:00 – 12:40 PM, AGIT 255

Labs

Monday or Wednesday 1:00 – 2:50 PM, AGIT 149 (Note. There will be NO lab changes this semester)

Textbook (Suggested but *Not* Required)

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

Course Schedule

Class	Month	Date	Topic	Readings	Projects	Quizzes
M	August	28	Orientation, Syllabus, Safety in the Shop, & Cleanup/Organization	Units 3 - 6		
			Hand Tools, Measuring Instruments, & Power Tools	Units 7 - 8 & 14 - 17		Safety & Tools Quiz
M	September	4	Labor Day/ No class			
M		11	Wood Working and Painting	Unit 9	Wood Project	
M		18	Wood Working and Painting	Unit 9		Wood Working Quiz
M		25	Plumbing	Unit 37	Plumbing Project	
M		2	Plumbing	Unit 37		Plumbing Quiz
M	October	9	Electricity	Unit 33	Electricity project	
M		16	Electricity	Unit 33		Electricity Quiz
M		23	Electricity	Unit 33		
M		30	Fastening Metal	Unit 25	Metal Project	

Course Schedule (continued)

Class	Month	Date	Topic	Readings	Due Dates	Quizzes
M	November	6	Fastening Metal	Unit 25		Fastening Metal quiz
M		13	Agricultural Structures	Unit 41	Structures Project	
M		20	Agricultural Structures <i>(No Wednesday Lab)</i>	Unit 41		
M		27	Agricultural Structures	Unit 41		Structures Quiz
M	December	4	Lab Cleanup and Organization			
		13	<u>FINAL EXAM:</u>		Comprehensive Final Exam	

Grades will be determined by using the following criteria

Module	Number	Points each	Total Points
Projects	5	50	250
Unit Quizzes	6	100	600
Final Exam	1	150	150
Total			1000

Final Grade = $\frac{\text{Your total points earned}}{\text{Total Possible Points}} = \frac{\quad}{1000}$

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

Attendance

Students are expected to be present for all class meetings. Students are responsible for learning about and complying with the attendance policy stated in this syllabus. Additional information can be found here: <http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

Web & Computer Use

Computers are an integral part of the agricultural profession and students are expected to use this technology as part of the course. Some materials for this course will be located eCollege. These materials are part of the course and you will be expected to review it regularly. Students not familiar with computers or use of the Web are strongly encouraged to seek training. The student can access the following information on the course website on eCollege:

- Course syllabus
- Course announcements and changes (if any)
- Lecture Notes (provided as a study aid only)
- Lab Exercises
- Grades
- Assignments
- Other resources

Unit Quizzes

On the last day or after completion of each project, a Unit Quiz will be given at the beginning of the next class period. This will cover the material from the chapter readings, in-class lectures, and lab of the completed unit. No make ups will be allowed. Students with excused (**prior notice required**) absences will be given an alternate quiz. Questions may be a combination of short answer, multiple choice, problems, and tool identification.

Course projects

Class projects are due at the **end of class** on the date indicated. Students are **not permitted** to work on individual projects in the absence of the instructor or other “approved” faculty member. Work turned in late will be penalized **10 points**.

Dress Code and Safety

Safety is a primary concern while working in the lab. Proper clothes, gloves, shop coats, or coveralls should be worn while working in the lab (no loose clothing). Long hair must be restrained. Closed toe shoes are required. Work boots are recommended. **Safety glasses should be worn at all times**. Ear plug are recommended when working with loud machines. Students that are not working in a safe manner will be required to leave the shop. This includes failure to wear adequate eye protection.

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library

Room 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

StudentDisabilityServices@tamuc.edu

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.