



AMC 597

Special Topics: Laboratory Management in Agricultural
Mechanic -August Mini 2020

Instructor: Dr. Douglas D. LaVergne
Associate Professor and Assistant Dean
155 Charles S. Austin Building
2600 S. Neal St.
PO Box 3011
Commerce, TX 75429
Phone: (903) 886-5353
Email: doug.lavergne@tamuc.edu

Office Hours: Virtually or by appointment only. Contact me (see above) to schedule a meet time.

Description: Principles and techniques for planning, organizing and supervising instructional activities in agricultural mechanization. Topics include lab safety, inventory control, equipment selection, skill/curriculum development, and assessment methods. Additional focus will be on developing skills related to mechanize agricultural systems and developing competencies regarding agricultural science expectations.

Student Learner Outcomes *Learning outcomes are what you are able to do as a result of the activities, readings, instruction, etc. that have occurred in this course - these are my expectations of you. Assignments/activities related to these outcomes are described in the assignments and assessments portion of the syllabus.*

Learning Outcome #1: The learner will be an active and engaged participant by analyzing, constructing/creating, and evaluating information presented in the course textbook and/or other scholarly resources via an interactive discussion.

Learning Outcome #2: The learner will properly develop teaching objectives and lesson plans in agricultural mechanic settings.

Learning Outcome #3: The learner will develop a shop program budget; specifically, how to purchase material/supplies.

Learning Outcome #4: The learner will practice & model safety procedures in agricultural mechanics laboratory/shop settings.

Class Meetings: Online class hosted to D2L

Text & Course Readings: Herren, R. V. (2009). *Agricultural mechanics* (6th ed). Clifton Park, NY: Cengage Learning. Selected articles and manuscripts. Materials provided online.

Hardware/software It is your responsibility to make sure that your computer has all the requirements

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.

Class Schedule*

Date	Lab Management in Ag Mechanization	Student Objectives to be completed
Module 1 <u>Discussion Board</u> Opens: 08/07 Closes: 08/10	Course Introduction, Laboratory Safety in Agricultural Mechanics	<u>Discussion:</u> 2 Topics 1. Course Introduction 2. Laboratory Safety <u>Assignment:</u> Complete Ag Mech Questionnaire
Module 2 Opens: 08/11 Closes: 08/14	Planning for Laboratory Instruction, Stating Objectives, and Planning Instruction ** Lab Safety Quiz **	This is a pass/fail quiz! You must score 100% to get total points (100). You'll have 3 times to take it.
Module 3 <u>Discussion Board</u> Opens: 08/15 Closes: 08/18	Teaching in Laboratory Settings	<u>Discussion:</u> 1 Topic 1. Floor Plan Selection <u>Assignment:</u> Lesson Plan Development
Module 4 <u>Discussion Board</u> Opens: 08/19 Closes: 08/21	Program & Instructional Development & Facilities and Resource Management in Agricultural Mechanical Settings	<u>Discussion:</u> 1 Topic 1. Instructional Program Breakdown <u>Assignment:</u> Lesson Topics & Activities <u>Assignment:</u> Purchase Requisition
Final Exam	Friday, August 21st	

Note: Modules will remain open throughout the course. Discussion boards/Quizzes don't!

Grade Determination

Assignments	Points
Discussions: participation & interaction (3 @ 25pts each)	75
Module Assignments (1 @ 50pts; Module 5 @ 100pts)	150
Tool Demonstration Portfolio	100
Ag Mech Instructor Interview	50
Quiz (Pass/Fail)	100/0
Final Exam	100

$$\text{Your Grade (\%)} = \frac{\text{Points Earned}}{575}$$

(**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.

Grade Assignment

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 3 Modules.** There will be, at minimum, one online activity or discussion prompt per module worth a total of 25 possible points per module.

Assignments (2)

Students will complete each Module Assignment within the designated time allotted by the professor. The assignment will be posted at the beginning (date) of the week's module. Assignments must be turned in before the closing of the module (Sunday). Late assignments are subject to point reductions. Any assignments to be turned in must be a Microsoft Word attachment with a 12 point font (Black).

Tool Demonstration Portfolio

Using the Internet as a source, students will compile a *Safe Practices and Operations Tool Portfolio* for 5 common tools that are used in laboratory settings. The tool portfolio can be any combination of videos (i.e., YouTube, eHow, etc.), or PowerPoint presentations (personal or sourced). Portfolio must be developed and posted in a PowerPoint format to the designated discussion board for classmates to view. The idea is to develop an educational resource for teachers to refer to when teaching tool usage to agricultural education students.

Virtual Ag Mech Instructor Interview

Visit with a high school Ag Mech Teacher. The purpose of this assignment is to become aware of the different types of agricultural mechanic laboratories and develop an understanding of the management practices by ag mech instructors. During this interview, find out different facts about the facilities such as; square footage, year built (and/or remodeled), number of courses that use

the facility, perceived building issues (Use the FIT guide), budget allocations, or interesting things that would be relevant to you or to your classmates. This is a learning experience for both you and your classmates. You will submit a 5-7 minute PowerPoint presentation on your project and relay what you've learned from your experience. Be creative!

Quiz

There will be one quiz during the 3rd week of class. The quiz will cover course topics and discussion from the previous weeks. The quiz will be hosted on the eCollege website. Makeup quizzes are subject to point reductions.

Final Exam

Final exam (comprehensive) will come from course concepts.

Class Syllabus Addendum

Required Syllabus Language Regarding the University's Pandemic Response

A&M-Commerce requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct.

Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.

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.

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.