



A&M-COMMERCE

AMC 315- Agri Systems Technology Management Fall 2022 (3 hrs.)

Instructor

Marlin Priddy, Ed. D. Ad Interim Assistant Professor
Office Location: AGIT 144
Email: marlin.priddy@tamuc.edu

Course Meeting Times & Location

Mon, 11:00 am – 12:40 pm, AGIT 238
Mon, 1:00 pm – 2:50 pm, AGIT 149 Lab
Wed, 1:00 pm – 2:50 pm AGIT 149 Lab

Office Hours

I have an open-door policy for office hours. If my door is open, you may come in. You may also email me to schedule an in-person appointment or for general questions during normal business hours.

Course Description

Agricultural Systems and Technology Management. Preliminary study to acquaint student professionals with the principles and theories needed to comprehend and manage agricultural and environmental technology; introduce the application of information technology to agricultural and environment systems; develop mathematical concepts and unit analysis skills associated with machinery and equipment, industry and marketing, energy, structural and environmental and natural resource systems. Focus shall be on basic knowledge rather than on in-depth analysis of the systems covered.

Learning Outcomes

This course is designed to give students a working knowledge of basic agricultural mechanics concepts and skills. Upon completion of this course students should be able to demonstrate the following basic skills and concepts either in industry settings or the secondary agricultural education classroom:

- Display proper safety procedures in the agricultural mechanics laboratory
- Identify and demonstrate proper use of hand tools and power tools
- Demonstrate basic wood working skills
- Select and apply paint to materials
- Explain electrical theory and wire basic A/C circuits
- Demonstrate basic plumbing skills
- Perform calculations with surveying and land leveling
- Create appropriate concrete mixtures and perform volume calculations
- Display a basic understanding of project planning and design
- Properly identify and selection fasteners for agricultural projects
- Frame and finish agricultural structures

Course Textbook (Required)

Hancock, J. P., Edgar, D. W., Pate, M. L., Dyer, L. A., & Hoover, W. B. (2017). *Agricultural Mechanics and Technology Systems*. Goodheart-Willcox. (ISBN: 978-1-63126-255-5)

Course Specific Procedures

General Policies

- The use of any tobacco products is strictly prohibited in all classrooms and laboratories.
- Please suspend the use of all electronic devices during lecture other than for notetaking.
- No late work will be accepted in this course without pre-approval from the instructor.



- All assigned reading should be completed before the corresponding lecture time.

Attendance

Due to the hands-on nature of this course, lecture and laboratory attendance is strongly encourage Attendance will be taken during each lecture and laboratory session. University excused absences will be honored when appropriate written documentation is provided, otherwise the absence will be considered unexcused. Makeup work and labs may be arranged with the instructor prior to excused absences. Students may not make up work or labs missed from unexcused absences.

Laboratory Dress Code and Safety

Safety glasses are required to be worn at all times in the laboratory. Each student should purchase their own pair. Proper clothes should be worn while working in the lab. Closed toed shoes are required (work boots recommended). Ear plugs should be worn when in the presence of load machinery. Students not working in a safe manner will be required to leave the shop.

Interaction with Instructor

E-mail will serve as the primary method for out-of-class communication between the instructor and students. Therefore, students should check their university (myLeo) or other preferred e-mail account at least once daily. The instructor will attempt to answer each student-generated message within 48 hours.

University Specific Procedures and Language

Students with Disabilities-- ADA Statement:

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 162

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

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: Office of Student Disability Resources and Services

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Counseling Availability

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion,



sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Citizenship

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>
Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

Campus Concealed Carry Statement

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 the ***Carrying Concealed Handguns On Campus*** document and/or consult your event organizer.



Course Calendar

Week		Lecture Topic	Lab Activity	Reading
Mon	Wed Lab			
1.	8/29 8/31	Agricultural Mechanics Laboratory Safety	Shop Inspection, Hand Tool Id, Measurement	Ch. 5,6 7
2.	09/05 09/07	Labor Day No Class	No Lab	
3.	09/12 09/14	Power Tools	Power Tool Demonstration	Ch. 8
4.	09/19 9/21	Wood Working	Wood Working	Ch. 11
5.	09/26 09/28	Finishing Wood Projects	Paints/Sealers/Stains	Ch. 12
6.	10/3 10/5	Electrical Theory	Electricity	Ch. 20
7.	10/10 10/12	Midterm Exam Wiring A/C Circuits	Electricity	Ch. 21
8.	10/17 10 19	Plumbing	Plumbing	Ch. 24
9.	10/24 10/ 26	Surveying	Surveying	Ch. 13
10.	10/31 11/2	Concrete	Concrete	Ch. 14, 15
11.	11/7 11/9	Project Planning and Design	Concrete/Project Planning and Design	Ch. 10
12.	11/14 11/16	Framing Structures	Structures	Ch. 16
13.	11/21 11/23	Fasteners	Monday Lab Optional	Ch. 9
14.	11/28 11/30	Finishing Structures	Structures	Ch. 17
15.	12/5 12/7	Review Course Wrap Up	Lab Final	
16.	12/14 Wednesday	Final Exam 10:30 – 12:30		

*Schedule is tentative and may be changed by the instructor at any time.

**All readings from the textbook should be completed before the corresponding lecture.