



ANS 317: Livestock Management Techniques

Application of animal handling, husbandry and management techniques for livestock including cattle, small ruminants, swine and horses

Course Narrative:

This course is designed to provide an overview and understanding of livestock management techniques including health, facilities, animal handling, nutrition, and reproduction.

Spring 2025

Meeting Times: TR 3pm- 3:50pm, with lab immediately following 4pm- 4:50pm

Meeting Location: Animal Science Lab Classroom

Instructor Information:

Instructor: Landon Sullivan, PAS

Office Location: AG/ET 233G

Office Hours: Open Door or by appointment

University Email Address: Landon.Sullivan@tamuc.edu

Suggested textbooks and materials:

Materials: 70page spiral notebook and writing utensil

Text: any edition of the Handbook of Livestock Management by Richard Battaglia

Instructional Method:

- Notes should be taken daily
- Daily quizzes will be given with no notice (students should be prepared to take one each class)
- Practicums may require time outside of the scheduled course meeting times
- Article summaries, power point presentations, field experience, quizzes and other projects may be assigned at any time throughout the course

Assessment Techniques:

- pre evaluation
- daily quizzes/ labs
- course portfolio
- Practicums

The syllabus/schedule are subject to change.

Course Objectives:

- Apply principles and concepts from various disciplines (nutrition, genetics, reproduction, health, handling etc.) in making livestock management decisions.
- Understand the different options available to livestock producers for routine management practices and evaluate the pros and cons of a management techniques or decisions.
- Gain the ability and experience to perform common management practices in different livestock species, which may include the following: vaccinations, deworming, implanting, processing, animal identification, pregnancy diagnosis among others.

Student Learning Objectives (SLOs)

At the completion of this course, the successful student should be able to complete husbandry practices including but not limited to:

- Determine the fight/ flight zone of individuals and understand fundamental concepts of animal handling
 - Understand range of sight and hearing ability of various livestock species
 - Identify the point of balance in regard to livestock sight and behavior
 - Recognize predator: prey behavior
 - Begin with the end in mind
 - Make the right decisions easy
- Conduct daily observations of animal health and condition to identify illness, lame/cripple or abnormal behavior in individuals
 - Score noses and eyes as well as ears
 - Recognize lethargy
 - Depict normal behavior, making abnormal behavior easy to select
- Prescribe body condition scoring (BCS) to determine health, performance and establish feeding protocols
- Identify phenotypical characteristics and behavior of males (sexed and unsexed) and females of various livestock species
- Recognize vitals of for various livestock species
- Identify proper tools, instruments and equipment used to sustain animal health (tractors, feedtrucks, haying equipment, common tools, syringes, needles, applicators, thermometers, restraint systems, feed additives, etc.)
- Determine professional journals and other credible livestock media sources for management and husbandry information
- Understand proper injection techniques for each of the following: subcutaneous, intramuscular, and intravenous injections as well as oral and intranasal administrations
- Compare and contrast the various types of castration (reveal attributes of each practice)
- Depict attributes of various handling and restraint systems (primarily tub systems and Bud-box systems) as well as gain understanding of concepts associated with low-stress livestock handling
- Generate facility designs for housing and handling various species
- Generate herd health, feeding and reproduction management plans

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- Determine pregnancy via palpation and ultrasound
- Complete minor surgical techniques, including but not limited to: freeze branding, hoof care, proper restraint and safety in working with animals
- Evaluate and record the general health history and status of an animal including to: count, BCS, weight, hip height, soundness, etc
- Compare and contrast the various types of castration (reveal attributes of each practice)
- Generate herd health management plans

Dress and Conduct:

Students are expected to wear or have immediate access to clothing practical for handling livestock, including but not limited to: boots (shoes that cover and protect entire foot), pants and shirts that protect skin of extremities as well as a hat (caps or some type of lid to protect eyes and cranium).

In the event we travel off campus, students are expected to exhibit courtesy, respect, kindness and grace to all participants and hosts; failure to represent TAMUC in a professional manner during such an event can result in administrative withdrawal from the course or further disciplinary action.

Course Requirements and Grading:

Portfolio: 50%

The portfolio or course journal grade is the primary work required for a grade and includes the students' notes (70page spiral notebook) completed throughout the course and lab. The portfolio/ journal will be graded based on the contents of notes presented each day, organization, and overall appearance.

- Rubric for Portfolio: Complete 20%; Chronological Order 20%; Legible 20%; Condition 20%; Submitted Timely 20%

Daily Assignments/ Quizzes: 30%

Daily assignments/ quizzes are assigned each day to review information portrayed in the previous lesson and bring students to a teachable moment for the new/ next lesson.

Practicums: 30%

Most labs will include a hands-on activity; these must be completely proficiently to receive any credit.

Projects: 20%

Article summaries, power point presentations, field experience, quizzes and other projects may be assigned at any time throughout the course

CDE Participation

- The College of Agriculture and Natural Resources will be hosting **2** multi-regional CDE contests. Students in Ag classes are expected to participate that day in helping carry out the contest and participation may be reflected in your overall grade.

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The point outline is tentative and is subject to change at the instructor's discretion. The guideline below is applicable to the actual total amount of points given.

Grading Scale (%)	
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
Below 60	F

Course Policies: Technology and Media

- Cell Phones – the use of a cell phone is acceptable during the duration of this course BUT **noise from a cell phone is not tolerated**. Students should expect to be dismissed from class upon engaging in talking or texting on cell phone devices
- Lap Tops, Tablets – are also welcomed but the majority of notes, daily assignments, quizzes and exams **must be handwritten**
- Social Media – photos and videos recorded during lecture or any field/ laboratory exercises are **NOT** to be shared via social media without the direct consent of the instructor. Posting intellectual property can result in severe legal and academic consequences.

Attendance: Your grade is based on the points. If you are not in class, you will not receive points for the assignment that day; however, extra credit may be available.

Laboratory Safety Rules and Regulations Contract:

Before participation with any live animals a Laboratory Safety Rules and Regulations contract must be on file with the instructor.

OSHA Form Before participation with any live animals an OSHA form will be required. The form can be reached at this link: <https://dms.tamuc.edu/Forms/OHSQ>

No pets will be allowed in class. In the event of a service animal contact instructors prior to class starting to allow for appropriate accommodations.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.

The syllabus/schedule are subject to change.

The Code of Student Conduct is described in detail in the Student Guidebook.

<https://inside.tamuc.edu/campuslife/campusservices/studentRights/Code%20of%20Conduct.aspx>

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03 Undergraduate Student Academic Dishonesty Form

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03>

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

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University Specific Procedures Student Conduct

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<https://inside.tamuc.edu/campuslife/campusservices/studentRights/Code%20of%20Conduct.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>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

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<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

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/>

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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.

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.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

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.

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