



## **Beef Cattle Management ANS 412.01E**

Spring 2026

**Lecture:** TR 8:00-8:50 | AGET 255

**Lab:** T 3:00-4:50 | ANS Lab

### **INSTRUCTOR INFORMATION**

Instructor: **Dr. Douglas Eborn**

Office Location: **AG/ET 233D**

Office Hours: **MW 1:00-2:30**  
**TR 10:00-11:30**

Office Phone: **903.886.5676**

Office Fax: 903.886.5990

University Email Address: **Douglas.Eborn@etamu.edu**

Preferred Form of Communication: **Email**

Communication Response Time: **24 hours**

### **Course Information**

Materials – Textbooks, Readings, Supplementary Readings

#### **Suggested Textbooks:**

##### **Beef Production and Management Decisions**

Author: Thomas G. Field

Publisher: Pearson; 6 edition (January 11, 2017)

ISBN-10: 0134602692

ISBN-13: 978-0134602691

##### **Beef Cattle Production**

Author: Danny D. Simms

Publisher: SMS Publishing Inc (January 1, 2013)

*The syllabus/schedule are subject to change.*

ISBN-10: 0615853277  
ISBN-13: 978-0615853277

## Course Description

Concepts and principles of breeding, feeding and management of beef cattle in the United States. A survey of the past, present and future ideas of the beef cattle industry.

**Prerequisites:** ANS 1319 Introduction to Animal Science and  
Junior standing

## Student Learning Outcomes

Students successfully completing the course should be able to:

1. Recognize the major beef breeds, how they could be classified according to biological types and consider how their strengths/weaknesses could be used in both straight bred and crossbreeding program.
2. Know definitions of the most common EPDs used in beef cattle breeding and know how to properly use them.
3. Understand estrous cycle and how synchronization protocols control or manipulate the cycle.
4. Describe the key components or considerations of a beef cattle diet or ration during different phases of beef cattle production.
5. Know common diseases/parasites of beef cattle and how to control or prevent through vaccinations and deworming.
6. Know the characteristics and qualities of a beef carcass that determine carcass value.
7. **Complete Texas Beef Quality Producer Program.**

## COURSE OVERVIEW

### Course material

Course material will be provided in lecture and lab. Lecture notes and supplemental material will be provided in the course shell online (D2L).

### Lab

We will try to work with beef cattle as much as possible through the semester according to the farm schedule. This may include vaccinations, deworming, branding, etc.

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Calf watches which have traditionally been offered to ANS 317 students will be made available to students in ANS 412 this semester.

## **COURSE SPECIFIC PROCEDURES/POLICIES**

### **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

### **General Guidelines**

1. Attentiveness in class is suggested but not required. However, if you choose otherwise, do not:
  - a. Talk to your neighbors
  - b. Use an electronic device or text
  
2. Attendance/Lateness
  - Attendance is expected and will be taken at the beginning of class.
  - Future opportunities such as potential extra credit assignments may be based on attendance
  - The student must take responsibility to notify the instructor in a timely matter for consideration and accommodation due to school activities, emergencies, or other circumstances. Validation may be required.

### **Assessments**

1. Exams
  - 4 exams will be given throughout the semester including the comprehensive final. Questions will include T/F, multiple choice, matching, short answer, and fill in the blank. In addition, each exam may include a “take-home” or project based section. Instructions and due dates for the additional work will be provided. Any take-home or project section for the final will be given at a minimum of 7 days prior to the due date for the final.
  - All students are to take the in-class exams at the time they are scheduled unless you have a great excuse. If a makeup is written it may be more difficult, not easier, for the student.

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Tentative Dates:

- 1) Thursday February 5<sup>th</sup>
- 2) Thursday March 5<sup>th</sup>
- 3) Thursday April 9<sup>th</sup>
- 4) Final: Tuesday May 5<sup>th</sup> 8:00 A.M.

2. Quizzes

- Quizzes will be given **weekly** throughout the semester.
  - Quizzes will be due on each Wednesday of the week.
  - Quizzes will be taken either in class or through D2L in myleonline.com.
  - No late work will be accepted for quizzes!!
  - 1-2 quizzes will be dropped from the grade book at the end of the semester.

3. Homework Assignments

- Homework Assignments may be given occasionally throughout the semester. Labs may have additional homework preceding or following a lab. Lab reports may also be given depending on the lab.
- Homework maybe turned in at the next class period for a 50% reduction

4. Labs

- Attendance points will be given each lab and will count towards your final grade. Additional homework may be given with each lab.

5. Texas Beef Quality Producer Program

- *Every student will take the Texas BQA training online and become certified by the end of the course.*
- <http://www.texasbeefquality.com>
- *Completion of the program will result in a certificate that will be sent to the instructor for credit.*

## Grading

Final grades in this course will be based on the following scale:

Final grades in this course will be based on the following weighted scale:

Exams – 50%

Labs – 20%

Quizzes - 15%

Homework – 15%

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or below

## 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](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](mailto: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

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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>

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

### **University Specific Procedures**

#### **Student Conduct**

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>

#### **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>

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## **Academic Integrity**

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.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

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

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

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

## **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

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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.

## **A&M-Commerce Supports Students' Mental Health**

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](http://www.tamuc.edu/counsel)

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

## **Graduate Students Academic Integrity Policy and Form**

[Graduate Student Academic Dishonesty Form](#)

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10.pdf>

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### **Mental Health and Well-Being**

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.

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<http://telusproduction.com/app/5108.html>

### **AI use policy**

Texas A&M University-Commerce acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty