



**Beef Cattle Management**  
**ANS 412**  
Fall 2020  
Online

**INSTRUCTOR INFORMATION**

Instructor: **Dr. Douglas Eborn**  
Office Location: **AG/ET 233D**  
Office Hours: **MWF 8:00-10:00**  
Office Phone: **903.886.5676**  
Office Fax: 903.886.5990  
University Email Address: **Douglas.Eborn@tamuc.edu**  
Preferred Form of Communication: **Email**  
Communication Response Time: **24 hours**

Graduate Assistants: Kaylee Kipp and Courtney Baldwin  
Email: [ksteincamp@leomail.tamuc.com](mailto:ksteincamp@leomail.tamuc.com)  
[cbaldwin3@leomail.tamuc.edu](mailto:cbaldwin3@leomail.tamuc.edu)  
Office: AG/ET 233D

**Course Information**

Materials – Textbooks, Readings, Supplementary Readings

**Required Text: Beef Production and Management Decisions**

Author: Thomas G. Field  
Publisher: Pearson; 6 edition (January 11, 2017)  
ISBN-10: 0134602692  
ISBN-13: 978-0134602691

**Course Description**

*The syllabus/schedule are subject to change.*

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 2 formats; video recordings of lectures and the lecture slides provided in pdf format. In addition, additional material may be provided to supplement the lectures. It is anticipated that ~15-20 lectures will be covered during the semester.

### **Lab**

We will meet for labs occasionally at the farm and in a manner that is safe and follows recommended COVID guidelines. In addition to the labs being outdoors, many of the techniques can be done following social distancing guidelines. Secondly, schedules will be created so that fewer students will be present at a time, i.e., half the lab meets for first hour and half the lab meets the second hour or half the students will meet 1 week and half the students will meet the following week. We are anticipating 4-6 labs this semester and may include working weaned calves (vaccinations, deworming, castration, implanting); fitting and showing, rectal palpation, and freeze branding.

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

## **Exams**

3-4 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 on-line final.

### Tentative Exam Dates

September 18<sup>th</sup>  
October 16<sup>th</sup>  
November 13<sup>th</sup>  
December 11<sup>th</sup>

## **Quizzes**

Online quizzes will be given every other week throughout the semester.

## **Assignments**

Homework will be given regularly throughout the semester. This will include math problems such as gene frequencies, probabilities, and simple calculation of breeding values. In each instance examples will be provided with answer keys. Also homework may include assignment to use and compare EPDs in different breeds or species.

### 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.*

## **Due Dates/Late or Missing Work**

Due dates for exams/quizzes/assignments will be given at the time they are posted on the D2L course page and will always be a minimum of 7 days prior to the due date. In addition to the due dates being posted on the course page, emails will be sent frequently and at a minimum will include at the time of the posting as well as 24 hours before the due date. If a student is unable to meet the due date, they must contact the instructor prior to seek accommodations.

## **Grading**

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

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A = 90%-100%  
B = 80%-89%  
C = 70%-79%  
D = 60%-69%  
F = 59% or Below

## **COURSE SPECIFIC PROCEDURES/POLICIES/REQUIREMENTS**

### **University Pandemic Statement**

*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.*

### **Minimal Technical Skills Needed**

Students will need to be able to access and use the course online platform for the University, D2L. They may also need to have access and be able to use Microsoft Word, PowerPoint, or comparable programs.

### **Instructional Methods**

The material for this course will be primarily given by both recorded video lectures and lecture handouts typically in PDF format.

### **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.

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# 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 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**

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>

### **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](#)

<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:

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## **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](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 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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