



## **Diseases and Parasites of Livestock**

Syllabus  
ANS 419.01W  
2025 Summer I  
Online

### **INSTRUCTOR INFORMATION**

Instructor: **Dr. Douglas Eborn**  
Office Location: **AG/ET 233D**  
Office Hours: **MTF 1:00-3:00**  
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**

### **COURSE INFORMATION**

Materials – Textbooks, Readings, Supplementary Readings

Required Textbook: No textbook is required. Materials will be provided by the instructor.

A good resource that may be used in the course is the *Merck Veterinary Manual* found online.

- [Merck Veterinary Manual](https://www.merckvetmanual.com/)
  - <https://www.merckvetmanual.com/>

### **Course Description**

Diseases and Parasites of Livestock. Three semester hours (3 sh). A study of the control and prevention of common infectious and non-infectious diseases of livestock. The common parasites, their prevention, and control.

Prerequisites:      ANS 1319      Introduction to Animal Science  
                             BSC 1406      Introductory Biology I

*The syllabus/schedule are subject to change.*

## **Student Learning Outcomes**

Students successfully completing the course should be able to:

1. Identify key livestock diseases and parasites and understand their impact on health and productivity.
2. Explain the life cycles of common parasites and the epidemiology of major diseases.
3. Diagnose clinical signs and differentiate between various diseases and parasitic infections.
4. Develop effective control and prevention strategies, including vaccination, deworming, and biosecurity.

## **COURSE OVERVIEW**

### **Course material**

The material for this course will be primarily given by recorded PowerPoint lectures. PDF copies of those lectures will be made available to students before the lectures are posted. Additionally supplemental reading and links to online videos will be provided.

### **Student Responsibilities or Tips for Success in the Course**

As a reminder and a warning, we are going to cover what would normally be covered in a 15 week course in 5 weeks. That means that you should be working more intensely and that we will cover a lot more material in a shorter period of time.

## **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.

### **Grading**

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

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Exams – 50%

Quizzes/Homework - 35%

Discussion Posts - 15%

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

2 Exams (100 pts and 150 pts)

10 Quizzes

6 Discussion Posts

## Assessments

2 exams will be given throughout the semester. Questions will include T/F, multiple choice, matching, and fill in the blank. In addition, a part of the exam may be “take home” or project based. Instructions and due dates for the additional work will be provided.

Quizzes will be given for every 2-3 lectures. Questions will include T/F, multiple choice, matching, and fill in the blank. One quiz will be dropped at the end of the semester.

Each week, a topic for discussion needs to be **posted by Friday night** relating to the reading assignments that elaborates or provides more depth over the material being covered. These posts need to be factual and in some cases it would be appropriate to cite a reference.

In addition, 3 **responses** or replies to other students posts are required for each week and are **due the following Friday**.

## Late Work

Due dates for all assessments will be at least 7 days from the time they are opened and made available until the last week of the course. Late work may be submitted after the due date for a 10% penalty for everyday that is is late.

## COURSE OUTLINE / CALENDAR

Classes begin June 2<sup>nd</sup> and end July 3<sup>rd</sup>.

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#### Week 1:

- Introduction to Animal Health and Disease
  - Definitions: infection, disease, parasite, pathogen
  - Immune response in livestock
  - Host-pathogen interaction
- Bacterial Diseases of Livestock
  - Introduction and overview of bacterial diseases
  - Common bacterial diseases of livestock

#### Week 2:

- Viral Diseases
  - Introduction and overview of bacterial diseases
  - Common viral diseases of livestock
- Protozoan and Fungal Diseases
  - Introduction and overview of bacterial diseases
  - Common protozoan diseases of livestock

#### Week 3:

- Internal Parasites
  - Introduction and overview of internal parasites
  - Common internal parasites of livestock
- External Parasites
  - Introduction and overview of external parasites
  - Vector-borne diseases of livestock

#### Week 4:

- Zoonotic and Notifiable Diseases
  - Zoonosis definition and significance
- Integrated Disease Management
  - Preventive health plans
  - Vaccination schedules
  - Anthelmintic resistance and sustainable parasite control

# 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.

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## **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>

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<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](#)

[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**

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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 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.

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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.

<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

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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