



Artificial Breeding of Domestic Animals
ANS 312.01E
Spring 2025

Lecture: TR 11:00-12:15 | 238 AG/ET
Lab: W 3:00-4:50 / ANS LAB

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: **48 hours**

COURSE INFORMATION

Course Description

This course will cover semen collection and evaluation, gamete freezing and storage, reproduction management techniques and pregnancy diagnosis. In addition, students will gain experience with the reproductive management and breeding of cattle, pigs, and sheep.

Course Objectives

1. Understand and describe in detail the estrous cycle, the structures and hormones involved and how it is regulated in the cow, sow, ewe, and doe.
2. Understand and explain current methods available to producers to manipulate the estrous cycle and control the time of breeding for each of the focus species.
3. Understand the process of artificial insemination and how it differs between each of the species.
4. Give each student the opportunity to actively participate in the insemination and breeding of each of the species through the semester.

Prerequisites

ANS 311: Reproductive Physiology of Domestic Animals

Materials

Required Text: None. All required material will be provided in class.

COURSE REQUIREMENTS

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 PowerPoint lectures. PDF copies of those lectures will be made available to students either before or after the lecture.

Student Responsibilities or Tips for Success in the Course

Students are expected to have learned the material from the previous lecture. That means that students should review and study new material between class periods and be comfortable with the all the previous material before the next class period.

COURSE SPECIFIC PROCEDURES/POLICIES

General Guidelines

1. Attentiveness in class is suggested but not required. However, if you choose otherwise, do not, talk to your neighbors, read the paper, and especially do not text. Achieving the course objectives and being successful will require attendance, taking notes, reading the text, and study.
2. Every effort will be made to do as much animal work as possible based on the season, animals, and facilities available. For some, they may have already have had a lot of experience in a particular technique but this class is designed to allow those that have little or no experience the opportunity to acquire it.
3. Safety: Any time you work around animals there is a chance of getting hurt. Never ever put yourself or anyone else in a position to get hurt.

4. Weather: Dress appropriately and be prepared to get dirty and cope with the weather. No opened toed shoes, high heels, jewelry. There are days that can be uncomfortable due to weather and there is a chance that sometime during the semester you will go home with some manure.

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 scale:

Exams = 50%	A = 90%-100%
Lab Attendance/Participation = 25%	B = 80%-89%
Quizzes/Homework/Other = 25%	C = 70%-79%
	D = 60%-69%
	F = 59% or Below

Assessments

1. Exams:

- Three exams will be given through the course. The last exam may be a comprehensive final.

Tentative Dates:

- 1) February 13th
- 2) March 27th
- 3) Final: May 6th 10:30 A.M.

- Exam formats may include T/F, matching, multiple choice, fill in the blank, and short answer.
- All students are to take the exams at the time they are scheduled.

2. CDE Participation

- The College of Agriculture and National Resources will be hosting area 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. More information will be given at the time of the event.
- Monday April 13th
- Tuesday April 14th

3. Quizzes

- Quizzes will be given **regularly** throughout the semester.
 - Quizzes will be due on each **Friday** of the week.
 - Quizzes will be taken either in class or through D2L in myleoonline.com.
 - No late work will be accepted for quizzes!!
 - 1 quiz will be dropped from the grade book at the end of the semester.
 - Unannounced quizzes may also occur throughout the semester.

4. Homework

- Homework assignments may be given in addition to the quizzes.
 - Late work may be turned in for 50% reduction for up to 3 days after the due date.

5. Labs

- Lab attendance is required and for each unexcused absence after the 2nd may result in a 5% reduction in the overall grade. In addition, attendance and/or participation points may be awarded.

6. Late Work, Missed Exams

- All students are to take the exams at the time they are scheduled unless you have a great excuse or made prior arrangements with the instructor. If an exam is given at a different time, an alternative makeup exam may be more difficult, not easier, for the student.
- 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.

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

Zoom Video Conferencing Tool

The syllabus/schedule are subject to change.

https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

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>

Interaction with Instructor Statement

COURSE AND UNIVERSITY PROCEDURES/POLICIES

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.

The syllabus/schedule are subject to change.

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.

<https://inside.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf>.

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 [Procedures 13.99.99.R0.01](#)

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

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 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>

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

The syllabus/schedule are subject to change.

Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu

Website: [Student Disability Services](#)

<https://www.tamuc.edu/student-disability-services/>

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.

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

Mental Health and Well-Being

The syllabus/schedule are subject to change.

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 [Draft 2, May 25, 2023]

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