



**Reproductive Physiology of Domestic Animals**  
**ANS 311.01E**  
Spring 2024

**Lecture:** TR 11:00-11:50  
Location BA 244

**Lab:** M 3:00-4:50 / ANS LAB  
R 1:00-3:00 / ANS LAB

**INSTRUCTOR INFORMATION**

Instructor: **Dr. Douglas Eborn**  
Office Location: **AG/ET 233D**  
Office Hours: **Tue/Thu 8:30-10:30**  
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: Pathways to Pregnancy and Parturition (3<sup>rd</sup> Ed).**  
P.L. Senger. Current Conceptions. ISBN - 0965764834

**Note:** There are many differences between the 2<sup>nd</sup> and 3<sup>rd</sup> editions. If you choose to use the 2<sup>nd</sup> revised edition, it is solely your responsibility to make note of differences between the texts and differences in figures and tables.

*The syllabus/schedule are subject to change.*

# Course Description

Prerequisites:       ANS 1319 Introduction to Animal Science  
                          BSC 1407: Introductory Biology II  
                          Chem 1311: General Chemistry

Comparative anatomy and physiology of the male and female reproductive systems of domestic animals, endocrinology of reproduction, gestation and parturition.

This is a 3 semester hour course (2 hour lecture; 2 hour lab) that covers anatomy, physiology, and endocrinology pertaining to reproduction in cattle, pigs, small ruminants, horses, and poultry. This course will cover basic concepts and principles that will be expanded to include reproductive management decisions and proper use of reproductive technologies.

## Student Learning Outcomes

Students successfully completing the course should be able to:

1. Identify both male and female structures of the reproductive system and describe their function.
2. Describe how reproduction is controlled including the role and regulation of hormones.
3. Describe the events, structures, and hormones involved in the estrous cycle leading up to both ovulation and luteolysis.
4. Understand the events surrounding both oogenesis and spermatogenesis
5. Know how pregnancy is established and maintained in the different farm animal species followed by the events leading to parturition.
6. Understand how to use current applied reproductive technologies including estrous synchronization, artificial insemination, and embryo transfer and make good reproductive management decisions.

## COURSE OVERVIEW

### Course material

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.

### COURSE SPECIFIC PROCEDURES/POLICIES

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## **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**

Attentiveness in class is suggested but not required. However, if you choose otherwise, do not:

- Talk to your neighbors
- Use an electronic device or text

## **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.

## **Grading**

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

Exam 1 = 15%	A = 90%-100%
Exam 2 = 15%	B = 80%-89%
Exam 3 = 15%	C = 70%-79%
Final Exam = 25%	D = 60%-69%
Quizzes/Homework/Lab = 15%	F = 59% or Below

## **Assessments**

### 1. Exams

- Four exams will be given throughout the semester including the comprehensive final.

Tentative Dates:

- 1) February 8th
- 2) March 7th
- 3) April 11th
- 4) Final: May 10th 10:30 A.M.

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- 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. Quizzes

- Quizzes will be given **weekly** throughout the semester.
  - Quizzes will be due on each Friday 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 quiz will be dropped from the grade book at the end of the semester.
  - Unannounced quizzes may also occur throughout the semester

## 3. 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.

## 4. Labs

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

## 5. 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.

## 6. CDE Participation

- The College of Agriculture and National Resources will be hosting **2** 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 ?<sup>rd</sup>
- Tuesday April ?<sup>th</sup>

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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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# 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>

### 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>

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<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 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.

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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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