



**Equine Reproduction EQSC 343  
Spring 2026  
TR 1:00-2:15 pm  
Lab  
T 2:30 – 4:30  
Location: Equine Lab 001**

**Instructor: Nathan Wells**

**Office Location: AGIT 233 F**

**Office Hours: TR 8:00-9:00 am or TR 8:00-9:00 am at the Equine Center**

**Office Phone: 903-886-5355**

**Office Fax: 903-886-5990**

**University Email Address: [Nathan.wells@etamu.edu](mailto:Nathan.wells@etamu.edu)**

**Preferred Form of Communication: email**

**Communication Response Time: 1-2 days**

## **COURSE INFORMATION**

***Textbook: NONE REQUIRED*** – However, the text *Pathways to Pregnancy and Parturition* by P. L. Senger is a great resource.

***Optional Texts and/or Materials:*** Various video resources that will be provided throughout the semester

*The syllabus/schedule are subject to change.*

## ***Course Description***

Anatomy and physiology of the mare and stallion including lactation, endocrinology, parturition, semen quality and behavior. Management of broodmares, stallions and foals. Prerequisites: ANS 1319 or EQSC 240.

## ***Student Learning Outcomes***

Upon successful completion of this course students should have an understanding of these concepts;

1. The anatomy and physiology of the mare and stallion reproductive tracts
2. Equine reproductive endocrinology
3. Physiological processes of equine pregnancy, parturition and lactation
4. Correct management of stallions, pregnant mares, lactating mares and foals up to weaning age
5. Reproductive disorders
6. Advances in reproductive technologies in the equine

## **COURSE REQUIREMENTS**

### ***Skills Needed***

The student in this course should have a basic understanding of the male and female reproductive anatomy and function.

### ***Instructional Methods***

Students will spend time in lecture covering Power Point presentations prepared by the instructor. Students will also use video and internet technology to supplement lecture material.

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

The student should understand that attendance is mandatory for a passing grade. The student will be expected to attend and participate in all lecture and labs. The student will be expected to read/watch videos in lecture and ask questions in discussion. Above all other requirements the student is expected to come to class with an open mind and willingness to learn.

The instructor will take roll each and every class period at the beginning of class. Students who show up after roll has been taken will receive an unexcused absence for that class period. It is the **student's responsibility** to contact the instructor **prior to** an absence if at all possible. In the case of a medical emergency or illness you should provide a doctor's note to receive an excused absence.

*The syllabus/schedule are subject to change.*

## **GRADING**

### **Grading Policy**

Daily activities will consist of lecture material. There will be a quiz each week over the previous lecture material for that week.

There will be three exams and a comprehensive final exam. There will also be two assignments/projects throughout the course. These assignments will require time outside of the class period to prepare and submit.

Grades will be determined by the following:

- A = 90%-100% 900 - 1000 pts
- B = 80%-89% 800 - 899 pts
- C = 70%-79% 700 - 799 pts
- D = 60%-69% 600 - 699 pts
- F = 59% or Below 599 pts or below

### **Assessments**

**Quizzes: Total =** 300 pts 30 pts each:

- Quiz 1: Week 2
- Quiz 2: Week 3
- Quiz 3: Week 4
- Quiz 4: Week 6
- Quiz 5: Week 7
- Quiz 6: Week 8
- Quiz 7: Week 9
- Quiz 8: Week 11
- Quiz 9: Week 12
- Quiz 10: Week 13

**Assignments/Projects:** two at 50 points each

### **Exams:**

- 150 pts Exam 1: Week 5
- 150 pts Exam 2: Week 10
- 150 pts Exam 3: Week 14
- 150 pts Final Exam: in finals week, comprehensive

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

*The syllabus/schedule are subject to change.*

## ***Course Specific Procedures/Policies***

Students will receive a 0 for absences. For an absence to be considered for being excused, student must contact the instructor before class. Permission to make-up work, exams, etc. for excused absences will only be granted in advance. It is the student's responsibility to notify the instructor of absences and arrange to make-up work. Three unexcused absences will result in a letter grade drop and five unexcused absences will result in an F in the class. It is the student's responsibility to drop the class. There will be no make-up work offered for unexcused absences. Mondays are lab days, so lab and lecture will count as two separate class periods with two separate set of attendance points to be earned.

## **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.

## ***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.etamu.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: [Netiquette](#)

<http://www.albion.com/netiquette/corerules.html>

### ***ETAMU Attendance***

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

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

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

*The syllabus/schedule are subject to change.*

## ***Academic Integrity***

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all 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.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

### [Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

## ***ADA Statement***

### **Students with Disabilities**

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**

East Texas A&M University

Waters Library- Room 162

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

Fax (903) 468-8148

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

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

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

### ***Nondiscrimination Notice***

East Texas A&M University 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,

*The syllabus/schedule are subject to change.*

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 East Texas A&M University 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 ETAMU 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.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all ETAMU campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

# **COURSE OUTLINE / CALENDAR**

## **Calendar**

Week 1 January 12-16  
Week 2 January 19 - 23  
Week 3 January 26 - 30  
Week 4 February 2 - 6  
Week 5 February 9 - 13  
Week 6 February 16 - 20  
Week 7 February 23 -27  
Week 8 March 2 - 6  
Week 9 March 9 – 15 SPRING BREAK  
Week 10 March 16 -20  
Week 11 March 23 - 27  
Week 12 March 30 - April 3  
Week 13 April 6 -10  
Week 14 April 13 - 17  
Week 15 April 20 -24  
Week 16 April 27 – May 1  
Week 17 May 4 -8 FINALS WEEK

## **Topics**

- 1. The anatomy and physiology of the mare and stallion reproductive tracts**
- 2. Equine reproductive endocrinology, estrus manipulation, synchronization, maintenance of pregnancy**
- 3. Physiological processes of equine pregnancy, parturition and lactation**
- 4. Correct management of stallions, pregnant mares, lactating mares and foals up to weaning age**
- 5. Reproductive disorders**
- 6. Advances in reproductive technologies in the equine; AI, ET, Sexed semen, ICSI, cloning**

*The syllabus/schedule are subject to change.*