

ANSC 4304 – Reproductive Physiology Fall 2024

Hybrid- online with weekly lecture meeting

| Mrs Jena Carey

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Office Hours: MW 1-3 p.m.; TR 1-3 p.m.; By appointment

A bit about me: My name is Mrs Jena Carey and I am a four time graduate of Sul Ross. This is a very special course that is near and dear to my heart. I LOVE Animal Science!- Reproduction was and still is one of my favourite topics within the animal sciences, and I am very excited to teach you all the new developments into how the physiology of reproduction functions in our domestic species. Most animal science professionals have little understanding of the fundamentals of physiological factors in the reproductive traits and effectiveness in our domestic animals, yet with the knowledge acquired in this course, I hope you will be one step ahead in your career.

The course content is divided into weeks: Each week covers a specific topic listed on your syllabus calendar, with online lectures, reading chapters from the textbook, diverse multimedia, and **a weekly lecture day** to improve learning.

COURSE EXPECTATIONS

Instructor Expectations from Students:

- The instructor will provide weekly opportunities for communication with the class through announcements and reminders as well as office hours (by appointment).
- Class correspondence will be through Blackboard or student's SRSU email account.
- Instructor will provide email responses within 48-hours of receipt during the hours of 9:00AM-4:00PM, Monday-Friday. Emails sent after hours and during the weekend will be replied to within this timeframe.
- Instructor will provide grades to assignments and projects within 72h after the respective due date.
- Students are not mandated but encouraged to ask questions on course content.

Professor Expectations of Students:

- Successful students will familiarize themselves with the course syllabus, policies, assessments, evaluation, grading criteria, and course schedule.
- Students should respond to instructor communication requests regarding course progress and for general inquires in a timely manner. The deadline for responding to communication requests will be 72 hours after the communication was sent by the instructor.
- Successful students will not plagiarize the work of others, or use the work of their peers and claim it as their own. Students accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials may undergo academic disciplinary procedures.

- Successful students will pre-plan for testing situations and ensure they are able to access the internet to complete the exam during its assigned date and time, and prior to the due date.
- Students will be proactive and resourceful to problem solve in case of internet or technical issues. Further resources for technical support are available through Lobo IT or Blackboard.

Student Learning Outcomes (SLO): Upon completion of this course, students should be able to understand:

1. Anatomical structure nomenclatures for the female and male reproductive system.
2. Reproductive endocrine glands and hormonal function.
3. What is puberty, how it occurs, when it occurs and what factors influence it.
4. Parts of the estrous cycle, its terminology, and basic concepts.
5. Basic components of the sperm and ova and their functions and the process of fertilization.
6. Environmental and behavioral components of reproduction.
7. Embryonic development and maternal recognition of pregnancy.
8. Parturition and post-partum interval.

Animal Science Marketable Skills:

- Knowledge of techniques and equipment for planting, growing, and harvesting food products (both plant and animal) for consumption, including storage/handling techniques.
- Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.
- Understanding the implications of new information for both current and future problem solving and decision-making.
- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. Communicating finding in both oral and written form at a level appropriate for the needs of the audience.

Animal Science Learning Outcomes (ASLO):

- Demonstrate the basic skills of interpreting research data gathered in an agricultural context.
- Apply critical thinking skills to mitigate potential challenges in diverse animal sciences and related agricultural industries.
- Demonstrate the ability to communicate through written, spoken, and graphical methods.

SRSU Attendance Policy. Roll will be taken during each class meeting. The SRSU catalog states "The instructor may, at their discretion, drop a student from a course when the student has a total of nine absences in lecture and three absences in lab. An absence is defined as non-attendance in fifty minutes of class. Exams must be taken on the scheduled exam date that will be announced at least a week prior unless other arrangements have been made with the instructor. Exams must be made up within a week form the scheduled date. **RULE TO LIVE BY: DON'T MISS ANY CLASSES!** If you absolutely must miss, make sure you let me know before.

ADA Statement

SRSU Accessibility Services. Sul Ross State University (SRSU) is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Mrs. Mary Schwartz Grisham, LPC, SRSU's Accessibility Services Director or Ronnie Harris, LPC, Counselor, at 432-837-8203 or email mschwartz@sulross.edu or ronnie.harris@sulross.edu. RGC students can also contact Alejandra Valdez, at 830-758-5006 or email alejandra.valdez@sulross.edu. Our office is located on the first floor of Ferguson Hall, room 112, and our mailing address is P.O. Box C122, Sul Ross State University, Alpine. Texas, 79832.

Libraries

The Bryan Wildenthal Memorial Library and Archives of the Big Bend in Alpine offer FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu/. Off-campus access requires logging in with your LobolD and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or by phone (432-837-8123).

No matter where you are based, public libraries and many academic and special libraries welcome the general public into their spaces for study. SRSU TexShare Cardholders can access additional services and resources at various libraries across Texas. Learn more about the TexShare program by visiting library.sulross.edu/find-and-borrow/texshare/ or ask a librarian by emailing srsulibrary@sulross.edu.

Mike Fernandez, SRSU Librarian, is based in Eagle Pass (Building D-129) to offer specialized library services to students, faculty, and staff. Utilize free services such as InterLibrary Loan (ILL), ScanIt, and Direct Mail to get materials delivered to you at home or via email.

Lecture Schedule

Week	Lecture topic
Aug 26	Introduction, Female Reproduction
Sept 02	Male Reproduction
Sept 09	Repro Endocrine
Sept 16	Puberty
Sept 23	Exam Unit 1
Sept 30	Oogenesis & Spermatogenesis
Oct 07	Estrous
Oct 14	Ovulation & Fertilization
Oct 21	Exam Unit 2
Oct 28	Mating
Nov 04	Early Embryogenesis & Maternal Recognition
Nov 11	Placenta, Gestation
Nov 18	Parturition/Lactation
Nov 25	THANKSGIVING!!!!!!! Take a much needed break!
Dec 02	Advances in ReproPhys
Dec 09	Final Exam

Assessments & Grading:

- GRIT Quiz: 50 points – Please see Blackboard for GRIT test; send me the results
- Learner Quiz: 50 points – Please see Blackboard for Learner test; send me the results
- Unit exams: 2 @ 100 points each
- Final: 100 points
- Attendance: Minus 5 points for every absence

Total = 400 points

For additional information on current Sul Ross State University policies for assigning grade points, please refer to <https://www.sulross.edu/registrar/catalog-and-policies/>

Percentage Letter Grade Meaning Points

90% - 100% A Excellent 4

80% - 89% B Good 3

70% - 79% C Average 2

60% - 69% D Poor

Below 60% F Failure

FINAL EXAM FINAL EXAM - Monday, 9 Dec 10:15 a.m. – 12:15 p.m. – ONLINE, (Blackboard) The Final Exam will be Proctored, please make sure to have a good internet connection, access to the Respondus Lockdown Browser and a functioning camera.

Required text: Senger, P.L. (2012). Pathways to Pregnancy and Parturition. Current Conceptions Inc. 3rd edition.

It is encouraged that you find and reference a reasonably priced used textbook.

Counseling

Sul Ross has partnered with TimelyCare where all SR students will have access to nine free counseling sessions. You can learn more about this 24/7/365 support by visiting [Timelycare/SRSU](https://www.timelycare.com/srsu). The SR Counseling and Accessibility Services office will continue to offer in-person counseling in Ferguson Hall room 112 (Alpine campus), and telehealth Zoom sessions for remote students and RGC students.

Academic Integrity

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. Students should submit work that is their own and avoid the temptation to engage in behaviors that violate academic integrity, such as turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden. Students should also avoid using open AI sources ***unless permission is expressly given*** for an assignment or course. Violations of academic integrity can result in failing assignments, failing a class, and/or more serious university consequences. These behaviors also erode the value of college degrees and higher education overall.

Classroom Climate of Respect

Importantly, this class will foster free expression, critical investigation, and the open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another on the basis of race, religion, ethnicity, age, gender, national origin, or sexual preference. Still, we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Supportive Statement

I aim to create a learning environment for my students that supports various perspectives and experiences. I understand that the recent pandemic, economic disparity, and health concerns, or even unexpected life events may impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create a supportive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you.