

ANSC 4304 Repro Physiology

Fall 2026 Syllabus

Instructor: Mrs Jena Carey

Office: WSB 220, 432.837.8820

Email: jena.carey@sulross.edu Please indicate "Human A&P1" in the subject

Course Meeting Times: R 13:00-14:15 RAS 132

Office Hours: Monday MW 8-9:30

Online Textbook: OpenStax

*The important thing is for you to have a textbook that is useful to **you** personally. I will be referencing this free resource frequently throughout the semester*

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.

Marketable Skills

1. Knowledge of animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.
2. Understanding the implications of new information for both current and future problem solving and decision- making.
3. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
4. Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
5. Communicating in both oral and written form at a level appropriate for the needs of the audience.

GRADING:

Category	Total Points
5 Lecture Exams (100 points per exam, Blackboard)	500
10 Concept Maps (20 points each, due 12:59 p.m. day of class)	200
Attendance (10 points daily, 5 points for tardy)	240
Team Based Learning (TBL)	60
TOTAL	1000

A 90 – 100% B 80 – 89% C 70 – 79% D 60 – 69% F <60%

ATTENDANCE AND MAKEUP EXAMS

- Missing any exam without notifying me no later than 24 business hours in advance will result in a zero for that exam grade—no exceptions.
- If you miss an exam, you must be attend the final exam to replace one missed exam. If you should miss more than one exam, grading will reflect that.
- If you fail to appear—or appear late—for your scheduled makeup exam, you will receive a zero.

Attendance will be by sign in sheet at front of the class. I am allowed to drop you from my class if you miss more than six times (that accounts for 3 full weeks of lecture).

Absences are excused only if you have a documented, university-approved excuse (hospitalization, funeral, etc.)

DO NOT MISS EXAMS unless you have a documented, university-approved excuse. If you do not inform me of your approved absence before the exam, it will be a ZERO.

There is **NO EXTRA CREDIT** given other than Highway Clean Up at the END of the semester. **NO extra credit assignments, opportunities, or questions will be given.** Your grade is the grade **YOU** earned- the amount of work **YOU** put into learning the material. **DO NOT come to me at the end of the semester asking for a higher grade or extra credit- none will be awarded. I do not round up grades.** For instance: an 89.5 is still a “B”, a 79.9 is still a “C”.

EXAMS- Exams are given on Blackboard and will total 100 points. Exams are mix of matching, multiple guess, and true/false. There will be no rounding of grades, or curves given. Your grade is your grade earned. If you would like to review your exam, please make time available during office hours to review.

FINAL EXAM- If you have an “A” (90 or higher) **BEFORE** Dead Day and **BEFORE** any Highway Clean Up extra credit, you will be exempt from the final. Our final will be used to replace lowest exam grade and any missing exam. It will be comprehensive, 100 question Blackboard. Make sure to check the final exam schedule for our date and time. If you miss the final exam, you will not receive any Highway Clean Up extra credit, nor will your lowest exam be replaced. If you are late to the final, entry will not be allowed.

LATE WORK POLICY- Late work is frowned upon for assignments to be turned in. All assignments will be due turned in to the appropriate assignment section (Blackboard or other online program) before class starts that day. That means if class starts at 13:00 the assignment is in Blackboard by 12:59.59 PM. After this time, you will lose 10% on the assignment. After 24–48 hours late it will be 20% off, and 48–72 hours late it will be 30% off. Beyond these times it will be a ‘0’ on the assignment. These terms are meant to respect both timeliness and flexibility of deadlines and will be upheld.

PUNCTUALITY: Class will begin promptly at 13:00 and will continue until 14:15. It is best to be early than to be on time. Remember that I will take up the sign-in sheet promptly at 13:00, any missing students will be highlighted for that day and will lose attendance points (whether they are tardy or absent). Tardy students will be allowed to sign in at the end of lecture and will receive half credit for attendance that day.

ELECTRONIC USE: No electronic use is tolerated in lecture time. This includes mobiles, cell phones, pagers, laptops, notepads, tablets, headphones/earpods/etc. Lecture time is important, not a time to be scrolling on a device. Please show respect in class.

LECTURE STRUCTURE: Lecture time is for reviewing material that you should have already read **PRIOR** to class. I will expect students to come to lecture time, having already read the material for the day- both the Student PowerPoint Slides, any textbook chapters, and having watched

any assigned videos posted on Blackboard. ReproPhys is broad with so much detail, lecture time simply is not enough time to go into the material.

Anything from the online textbook, Student Slides, classroom discussion, and videos will be possible test material.

CONCEPT MAPS: Concept maps are additional study aids to help with the course material. We cover a lot of material in lecture, but there is still so much more covered in the online textbook that I will not have time to cover in the span of lecture time. Hence why it is so important to read BEFORE lecture time. Concept Maps are due no later than midnight on the day listed in the tentative schedule. Material covered in the unit for that concept is free to use to create whichever concept map works for you. Here are some examples, plus you are free to come ask me for guidance: [Concept Maps – Learning Center](#). I want to see correct information, in a logical fashion, with CREATIVITY! I want you to have fun with this assignment!

SRSU Library Services

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, <https://library.sulross.edu/>. Off-campus access requires logging in with your LoboID 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.

SRSU Disability Services:

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 SRSU's Accessibility Services Director or email. Their office is located on the first floor of Ferguson Hall, room 112, and the mailing address is P.O. Box C122, Sul Ross State University, Alpine. Texas, 79832.

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. **I will reiterate here, I take academic dishonesty and plagiarism very seriously. Citations are your friend.**

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.

TENTATIVE REPRO PHYS LECTURE SCHEDULE

WEEK	DATE	TOPIC
1	TR 25/7 Aug	01_Intro & Endocrine Basics
2	TR 1/3 Sept	02_FM Repro CM1 Due 3 Sept
3	TR 8/10 Sept	03_Male Repro CM2 Due 10 Sept
4	T 15 Sept	Exam 1 (On Blackboard on 15 Sept; 01-03 lectures)
	R 17 Sept	04_Endocrine CM3 Due 17 Sept
5	T 22/4 Sept	05_Puberty CM4 Due 24 Sept
6	T 29 Sept/1 Oct	06_Oo&Spermatogenesis CM5 Due 1 Oct
7	T 6 Oct	Exam 2 (On Blackboard on 6 Oct; 04-06 lectures)
	R 8 Oct	07_Estrous
8	TR 13/5 Oct	08_Ovulation CM6 Due 15 Oct
9	TR 20/2 Oct	09_Mating CM7 Due 22 Oct
10	TR 27/9 Oct	10_Fertilization CM8 Due 29 Oct
11	T 3 Nov	Exam 3 (On Blackboard on 3 Nov; 07-10 lectures)
	R 5 Nov	11_Early Embryogenesis & Material Recognition
12	TR 10/2 Nov	12_Gestation CM9 Due 12 Nov
13	TR 17/9 Nov	13_Parturition & Lactation CM10 Due 19 Nov
14	24 Nov	Exam 4 (On Blackboard on 24 Nov; 11-3 lectures)
	26 Nov	THANKSGIVING HOLIDAY!
15	TR 1/3 Dec	ONLINE REVIEW
16	8 Dec	Final exam (Exam 5)- On Blackboard from 1-8 Dec

Note – This outline is subject to change. The exams will be administered on the dates given unless material relevant for a given exam has not been covered.

STUDYING: As a general rule, students should spend 2-3 hours studying for every 1 hour of lecture material.

So, for this class, you need to allocate **6-9 hours per week** to study the lecture material. This equates to one to one and a half hours of study PER DAY (if you study M-F). A breakdown of an hour of study is included on our intro slides.

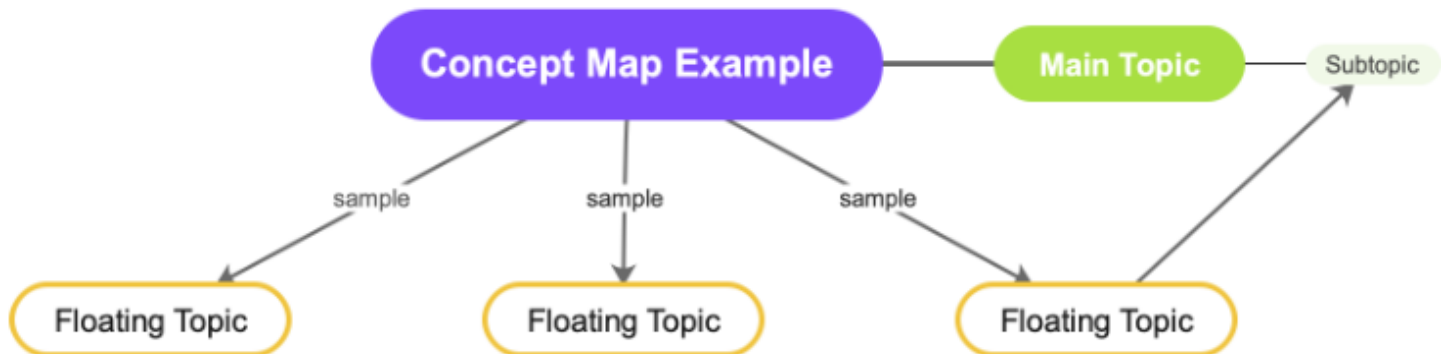
I HIGHLY RECOMMEND READING BEFORE LECTURE.

You have been given the tentative schedule- please review it and read material beforehand.

I recommend reading your notes in conjunction with reading the relevant textbook chapters. Studying is best done before & after the lecture, not all at once the night before the exam.

Look up anything that you do not understand or visit with your instructor during office hours.

Concept Maps: Each set of information will require uploading a concept map. Concept maps are great to quick review before class or during exam prep. It is made to take lots of information and format it where that information is on one page, in a flowing order. I have given some examples below as well as in our introduction slides. Please take time to review this information. Concept maps will be graded on factual information, display, correct orders, and creativity. If you give a simple concept map or one that was copied off the internet, your grade will reflect that. ***All Concept Maps are due on Blackboard by 12:59p.m. on due date. Any late submissions will occur a five point deduction each day late.***



Concept Map	Due Date	Topic
CM 1	3 Sept	Endo Basics
CM 2	10 Sept	FM Repro
CM 3	17 Sept	M Repro
CM 4	24 Sept	Endocrine
CM 5	1 Oct	Puberty
CM 6	15 Oct	Oo/Spermatogenesis
CM 7	22 Oct	Estrous
CM 8	29 Oct	Ovulation
CM 9	12 Nov	Fertilization
CM 10	19 Nov	Early Embryogenesis