



ANSC 3305

Horse Production & Mgt

Spring 2023

Instructor: Dr. Laura Patterson Rosa
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Office Hours: By appointment – please email to schedule

Lectures: Monday and Wednesday 8:00 am – 8:50 am RAS 135
Laboratory: Monday 1:00 pm – 2:40 pm RAS 135 or Horse Unit

Course Description: Principles of scientific horse production and application of horse management skills. Topics covered include nutrition, reproduction, health and disease, genetics and selection, and economic aspects of equine enterprises.

Student Learning Outcomes (SLO):

Upon completion of this course, students should be able to:

1. Demonstrate knowledge of horse care, training and breeding.
2. Recognize disorders associated with equine physiology and management.
3. Evaluate design and functionality of equine facilities including biosecurity aspects.
4. Understand how to set up different equine businesses.

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.

Accommodations:

Sul Ross State University (SRSU) is committed to equal access in compliance with 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. Alpine students seeking accessibility/accommodations services must contact Mary Schwartze Grisham, M.Ed., LPC, SRSU's Accessibility Services Coordinator at 432-837-8203

(please leave a message and we'll get back to you as soon as we can during working hours), or email mschwartz@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

Academic Integrity:

The University expects all students to engage in all academic pursuits in a manner that is beyond reproach and to maintain complete honesty and integrity in the academic experiences both in and out of their classroom. The University may initiate disciplinary proceedings against a student 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. For more information visit: <https://www.sulross.edu/catalog/undergraduate-academic-regulations/>

SRSU Library Services:

The Sul Ross Library - Bryan Wildenthal Memorial Library in Alpine offers 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 LoboID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

Attendance:

Students MUST arrive promptly to class. If over 15 minutes late to class then student will be considered absent for that day. Documentation of approved absences (personal illness, family emergency etc.) must be presented within 5 days for arrangements to be made to make-up quizzes and assignments. University approved absences for sports and student organizations must be disclosed at least two weeks in advance. Unexcused late assignments will be penalized 25% for the first 24 hours beyond the due date, 50% for 24-48hrs late and will not be accepted thereafter.

Assessments & Grading:

- Lab assignments: 11 assignments total, best 10 grades will be considered @ 10 points each = 100 points.
- Horse Research Hours: 100 points
- Horse Business Project: 100 points
- Horse Facility Project: Presented at the end of the semester and worth 200 points
- Written Midterm: 250 points
- Written Final: 250 points
- Attendance: Minus 10 points for every absence

Total = 1000 points

Percentage	Letter Grade	Meaning	Points
90% - 100%	A	Excellent	4
80% - 89%	B	Good	3
70% - 79%	C	Average	2
60% - 69%	D	Poor	1
Below 60%	F	Failure	0

Students will be evaluated during labs for attentiveness, interest and quality of performed task according to the respective topic covered. **Do not wait for the end of the semester to discuss any problems you may have with this course. Your success is important!** 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/>

Projects:

Horse Business Project: Each group will develop a plan for an equine business venture (training facility, hospital, repro center, sales barn, therapy center, auction house, event planning...), including economic perspective, name of business, brand/logo, breed or discipline focus, and present the business to classmates during lecture.

Horse Facility Project: Each group will be assigned a type of equine facility. Groups will build a model following discussed biosecurity, feeding and equine behavior guidelines. This will be presented at the end of the semester and students will demonstrate on the model the functioning of the selected equine facility.

Important Dates to Remember:

- January 18 - Classes begin
- February 2nd - Last day to drop a 16-week term course without creating an academic record
- March 13-17, Monday – Friday → **Spring Break. No Classes.**
- April 14th - Last day to withdraw from the 16-week course/term with grade of 'W'. Drops must be processed and in the university registrar's office by 4 p.m.
- May 12, 15-17 Fri, Mon-Wed → Final Examinations

Course Schedule (subject to adjustments)

Week	Dates	Monday	Lab	Wednesday
1	1/18			Syllabus Quiz – ONLINE (No class)
2	1/23-25	Intro to Horse Ownership	RAS 135 Breed assignment	Breeds, Selection and Use
3	1/30-2/1	Nutrition and Feeding	RAS 135 Building a Nutrition Plan	Nutrition and Feeding
4	2/6-8	Health Management	Horse Unit The Healthy Horse	Health Management
5	2/13-15	Horse Diseases	Horse Unit Biosecurity	Horse Diseases
6	2/20-22	Reproduction	Horse Unit Foal Watch/Research	Reproduction
7	2/27-3/2	Genetics	Horse Unit Foal Watch/Research	Genetics
8	3/6-8	Facilities and Waste Management	Horse Unit Foal Watch/Research	First Exam
9	3/13-15	SPRING BREAK		
10	3/20-22	Horse Foot Care	Horse Unit Farrier Demo & Foal Watch	Horse Dentistry
11	3/27-29	Tack and Equipment	Horse Unit Tack and Equipment	Training the Horse
12	4/3-5	Horse Business	RAS 135 Building a Horse Business	Horse Business
13	4/10-12	Presentations on Horse Business	Horse Unit Behavior Observations	Horse Ethology
14	4/17-19	Horse Ethology	RAS 135 Behavior Cases	Welfare
15	4/24-26	Horse Industries Around the World (RAS 135)		Horse Transportation
16	5/1-3	Horse Facility Project meeting times		Horse Industry Speaker
17	5/8-10	Review for Second Exam	Second Exam	No class
18	5/15-18	Horse Facility Project Presentations → TBA		