

# ANSC 4315 Hormones, Behavior and Diseases

Fall 2022 TTh 11:00 AM - 12:15 AM

Alpine Campus | Range Animal Science | Room 00132

## Instructor Information

Instructor	Contact	Office Location & Hours
Dr. Hugo Santos	Email: <a href="mailto:hugo.santos@sulross.edu">hugo.santos@sulross.edu</a> Phone: 432-837-8210	RAS 108 - F 10am – 2pm or by appointment

## General Information

### Description

This course provides information on endocrine systems related to domesticated animals, and how they can be used to advance animal production. Focus is given to effects on growth and carcass composition, production of animal products, reproduction efficiency, and animal health and behavior.

### Expectations and Goals

Student objectives include demonstrating understanding of the following:

1. The structure and function of hormones and receptors
2. How endocrine systems affect many aspects of animal production
3. Applications of endocrinology in animal production

### Departmental Projected Learning Outcomes

Student will demonstrate that he/she is able to:

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

### Quality Enhancement Plan (QEP) Student Learning Outcomes:

1. The student will demonstrate effective development and expression of ideas in writing
2. The student will exhibit skill in prepared, purposeful oral communication of material or concepts
3. The student will create and deliver visual works that facilitate audience understanding of a central message or purpose

### SRSU Library Services

The Sul Ross Library 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](http://library.sulross.edu). Off-campus access

### Subject to Change

This syllabus and schedule are subject to change at the discretion of the instructor. You will be provided information in advance. If you are absent from class, it is your responsibility to check on announcements made while you were absent.

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).

### **SRSU Distance Education Statement**

Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

### **Reasonable Accommodation Statement**

It is the SRSU policy to provide reasonable accommodation to students with disabilities. Accessibility services support for students with physical and psychological disabilities are available at Ferguson Hall 112. To make an appointment regarding disability accommodations, please call 432-837-8203.

### **Anti-Discrimination Statement**

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored by Sul Ross State University on any basis prohibited by applicable law, including but not limited to race, color, national origin, religion, sex, age, disability, sexual orientation, or gender identity.

### **Academic Integrity**

Students are expected to submit original work without unauthorized assistance. Academic dishonesty, which includes cheating, unauthorized collaboration, plagiarism, fabrication, multiple submissions, and aiding and abetting, will result in a grade of 0 on the work in question. Subsequent instances of academic dishonesty may result in more serious sanctions.

### **Late Work**

It is expected that all assignments will be submitted on time. Valid absences include: 1) medical emergencies with a signed note from a doctor; 2) participation in a SRSU-sanctioned activity with a letter from faculty advisor; or 3) other emergencies or conflicts that are allowed at the professor's discretion. Students are expected to make up missed work within a week of the original due date. Late assignments will be accepted for 4 days following the initial due date and time with a 20% penalty per day late.

### **Required Text**

**There are NO required textbooks for this course.** Reading material will be given throughout the semester.

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## Grading

Your course grade will be based on the following components:

**Assignments:** Extra reading material and activities may be given throughout the semester to complement the topics taught in class. It may include discussions, articles and journal reviews, group projects and presentations. Assistance and guidelines on how to complete these assignments will be given throughout the semester.

**Exams:** There will be six exams throughout the semester, including the final. There will be no make-up exams without prior consultation with the course instructor.

### Points available

Exam 1	<b>100 points</b>
Exam 2	<b>100 points</b>
Exam 3	<b>100 points</b>
Exam 4	<b>100 points</b>
Exam 5	<b>100 points</b>
Exam 6 – Final Exam	<b>100 points</b>
Assignments	<b>Up to 100 points</b>
Total	<b>600 – 700</b>

Grading scale (% of total class points):

A = 90-100%

B = 80-89.99%

C = 70-79.99%

D = 60-69.99%

F ≤ 59.99%

### Tentative Course Schedule

Date	Topic
8/29	Introduction to Endocrinology
8/31	Introduction to Endocrinology
9/5	Introduction to Endocrinology
9/7	Review 1
9/12	Exam 1
9/14	Introduction to Endocrinology
9/19	Introduction to Endocrinology
9/21	Introduction to Endocrinology
9/26	Applied Animal Endocrinology
9/28	Review 2

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10/3	Exam 2
10/5	Applied Animal Endocrinology
10/10	Applied Animal Endocrinology
10/12	Review 3
10/17	Exam 3
10/19	Applied Animal Endocrinology
<b>10/24</b>	Applied Animal Endocrinology
<b>10/26</b>	Applied Animal Endocrinology
10/31	Applied Animal Endocrinology
11/2	Review 4
11/7	Exam 4
11/9	Applied Animal Endocrinology
11/14	Clinical Endocrinology
11/16	Clinical Endocrinology
11/21	Review 5
11/23	<b>Thanksgiving Day holiday</b>
11/28	Exam 5
11/30	Clinical Endocrinology
12/5	Review 6
12/8-13	Final Examinations

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