

**ANIMAL SCIENCE 108
LABORATORY SYLLABUS
FALL 2017**

Lab Coordinator: Dr. Chris Skaggs
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Instructor: _____

Rm. # _____

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OBJECTIVES AND ATTENDANCE POLICY

Objective: ANSC 108 is an introductory animal science laboratory designed to provide a general overview of the beef cattle, dairy cattle, horse, sheep, swine, and poultry industries. Information on major breeds, anatomy, selection criteria and production practices will be discussed for each species. The major disciplines of the animal and poultry industries such as breeding and genetics, products, marketing, nutrition and reproductive physiology will be addressed. The goal of this laboratory is to provide the student with experiential learning opportunities with animals and to develop an understanding of the current status and future direction of animal agriculture.

Dress: It is suggested that you wear clothing that you do not mind being soiled from handling livestock. Closed toe shoes should be worn for safety reasons.

Attendance: You are expected to attend your assigned section each week. If you have a legitimate, authorized absence, you must arrange with the ANSC 108 coordinator to make up a particular lab. You will be required to ***pick up an approval form in Kleberg 109 (see dates above) for entrance into a make-up lab.*** Labs meet at different places each week. The locations are listed beside each lab and a map is provided in the lab manual.

Make-up Quizzes: All make-up quizzes must be completed within one week of the laboratory absence, NO EXCEPTIONS. Quizzes can be made up in Kleberg 109 (see dates above) between the hours of 8:00 – 10:00 AM and 1:00 – 3:00 PM. You will watch the videos in the computer lab in the basement of Kleberg.

Laboratory Manual: Print: Available at MSC Bookstore on campus

ANIMAL SCIENCE 108 GRADING POLICY

Average of weekly question or assignment grades	40%
Average of Exams 1-3	<u>60%</u>
FINAL LAB GRADE	100%

Grading Scale

90-99	A
80-89.9	B
70-79.9	C
60-69.9	D
≤ 59.9	F

The grades in ANSC 108 **WILL NOT** be curved because of bonus questions offered on daily grades and on each exam.

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| 1. <u>INTRODUCTION</u> | August 28 – September 1 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Course Objectives/Orientation * Attendance Policy * Grading Procedure * Introductory Terminology * Pictures, Biographies | | |
| 2. <u>BREEDS OF LIVESTOCK</u> | September 4 - 8 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Cattle * Horses * Sheep/Goats * Swine * Poultry | | |
| 3. <u>HORSES</u> | September 11 - 15 | Meet at Hildebrand Equine Complex |
| <ul style="list-style-type: none"> * Horse Evaluation (Form to function) * Age Determination by Teeth * General Care (hooves, grooming, nutrition) * Horse equipment/tack * Saddling, safety precautions | | |
| 4. <u>SHEEP</u> | September 18 - 22 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Performance Records - 60 and 120 day adjusted weights, FEPDs * Visual Evaluation * Fleece Quality * Evaluate keep-cull ewe class with performance data * Production Practices | | |
| 5. <u>BEEF CATTLE</u> | September 25 – 29 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Performance Records * Adjusted weaning and yearling weights, EPDs, production scenarios * Visual Evaluation * Evaluate keep-cull heifer cattle class with EPDs * Production Practices | | |
| 6. <u>DAIRY CATTLE</u> | October 2 - 6 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Description of Dairy Cattle (type and breeds) * Lactation curves * Fundamentals of Dairying /Management * Nutrition | | |

Review for Exam 1 – October 9, Monday, 7:00 P.M. in Kleberg 115
Exam 1 – October 12, Thursday, 7:00 P.M.
Kleberg 113, 115, 117, 121, 123, 127
Material Covered: Labs 2, 3, 4 and 5

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|---|------------------------|--------------------------------|
| 7. <u>SWINE</u> | October 9 – 13 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Performance Records * Visual Evaluation * Evaluate keep-cull breeding gilt class with performance data * Production practices, baby pig processing | | |
| 8. <u>EVALUATION OF MARKET ANIMALS</u> | October 16 - 20 | Meet at Pearce Pavilion |
| <ul style="list-style-type: none"> * Quality and yield grading estimates on live animals * Cattle * Lambs * Hogs | | |

9. **REPRODUCTIVE PHYSIOLOGY**

October 23 – 27

Meet at Pearce Pavilion

- * Factors affecting reproduction
- * Reproductive tracts (male and female)
- * Artificial Insemination
- * Pregnancy diagnosis
- * Estrous synchronization

Review for Exam 2 – November 6, Monday, 7:00 P.M. in Kleberg 115

Exam 2 – November 9, Thursday, 7:00 P.M.

Kleberg 113, 115, 117, 121, 123 & 127

Material Covered: Labs 6, 7, 8 and 9

10. **NUTRITION**

October 30 – November 3

Meet at Pearce Pavilion

- * Comparative anatomy of digestive tracts
- * Rumen function
- * Feeds identification
- * Ration formulation

11. **CARCASS PROCESSING/ ANIMAL PRODUCTS**

November 6 - 10

Meet at KLCT 016A

- * Discussion of Processing Procedure
- * Evaluation of carcasses for yield and quality grades
- * Consumer-oriented product information

Dress warm as temperature in the Rosenthal cooler is maintained at 36° F. No shorts or open-toed shoes.

12. **POULTRY**

November 13 – 17

Meet at Poultry Center

- * Introduction to Poultry Science & Egg Quality
- * Candling eggs to look at interior quality
- * Eggs in Food

November 20-24, No Labs (Thanksgiving)

13. **QUIZ BOWL**

November 27 – December 1

Meet at Pearce Pavilion

- * Course wrap up/Evaluation

Review for Exam 3 – November 30, Thursday, 7:00 P.M. in Kleberg 115

Exam 3 – December 5, Tuesday, 7:00 P.M.

Kleberg 113, 115, 117, 121, 123 & 127

Material Covered: Labs 10, 11 and 12

December 4 – 8 No Labs

Faculty Senate Statement on Plagiarism and Aggie Code of Honor

Scholastic misconduct is defined broadly as “any act that violates the rights of another student in academic work or that involves misrepresentation of your own work.” The handouts used in this course are copyrighted. By “handouts” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission. As commonly defined, plagiarism consists of passing off as one’s own ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one’s work, should the instructor request it, is sufficient grounds to initiate an academic dishonesty case.

“An Aggie does not lie, cheat, or steal or tolerate those who do.”

The Aggie Code of Honor is an effort to unify the aims of all Texas A&M men and women toward a high code of ethics and personal dignity. For most, living under this code will be no problem, as it asks nothing of a person that is beyond reasons. It only calls for honesty and integrity, characteristics that Aggies have always exemplified. The Aggie Code of Honor functions as a symbol to all Aggies, promoting understanding and loyalty to truth and confidence in each other.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, Part I, Section 20 which can be found online at <http://student-rules.tamu.edu>. Any suspected instances of scholastic dishonesty will be investigated and resolved according to the procedures outlined in the new Aggie Honor System, found at <http://www.tamu.edu/aggiehonor/>

Americans with Disabilities Act (ADA)

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 reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building or call 845-1637.