Fall, 2014 Sul Ross State University

ANSC 1419 General Animal Science

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Office Hours: Monday 2-3; Wednesday 2-4, Thursday 1 - 4:30

Required Text: Animal Science and Industry 7th ed., 2005 M. Cunningham, M. Latour, D. Acker

## Course Objectives

At the end of this course, students will be able

1. To identify various disciplines pertinent to the area of animal agriculture.
2. To develop an appreciation for livestock and livestock production in providing food and useful by-products for man.
3. To identify problems and challenges and identify their solutions in modern animal agriculture.
4. To explain the role of animal science in the world economy.
5. To develop a sufficient understanding in the discipline of animal science as a contributing influence in helping him to achieve gainful employment in this field.
6. To develop the ability to understand, read, and use the language of modern technical animal agriculture.
7. To recognize the importance of maintaining an interest and continuing education in current and new developments in animal science however the student may use that interest.
8. To participate in outdoor learning activities, particularly during labs, related to the goals of the SR Stars over La Frontera QEP (Outdoor Learning) project.

## Evaluation

Exams

A. Major Exams (100-point basis for each)

B. Final Exam (100 points)

C. Pop Quizzes

D. Laboratory Evaluation

1. Students will be graded at each laboratory period as to their performance for that day's assignment.
2. A total of 100 points will be earned on lab examinations.

3. Laboratory Practical Exams (Midterm & Final)(100 points each)

E. 60% of the student's grade will be determined by lecture examination and work

F. 40% of the student's grade will be determined by laboratory work, examinations.

G. Grading Scale:

A = 90% B = 80% C = 70% D = 60% F = < 60%

H. Students missing 3 laboratory periods will be dropped from the course with an F!

Attendance is a must!

I. The student will makeup missed exams only on December 4, 2014 (Thursday) from 6 to 8 p.m. This exam will be comprehensive over the entire course, lectures and labs.

J. Final Exam: December 9, 2014 at 8-10:15 a.m. (Tuesday.

Request for Accommodations

It is Sul Ross State University policy to provide reasonable accommodations to students with disabilities. If you would like to request such accommodation because of a physical, mental or learning disability, please contact the ADA Coordinator for the Program Accessibility (Mary Schwartze) in the Ferguson Hall Room 112 or call (432-837-8203).

ANSC 1401
GENERAL ANIMAL SCIENCE
Tuesday-Thursday 9:30 – 10:45 A.M.
Spring 2014
DR. PAUL A. WILL, PROFESSOR

| Week | Date | Topic* |
|---|---|---|
| 1 | Aug 26 | Course Introduction; Syllabus |
| 2 | Aug 28 | Historical Aspects of Agriculture |
| | Sept 2 | Historical Aspects of Agriculture |
| 3 | Sept 4 | Livestock Industry |
| | Sept 9 | Livestock Industry |
| 4 | Sept 16 | Livestock Industry |
| | Sept 18 | Agricultural Careers |
| 5 | Sept 23 | Exam 1 |
| | Sept 25 | Breeds of beef cattle |
| 6 | Sept 28 | Breeds of beef & dairy cattle |
| | Sept 30 | Breeds of swine |
| 7 | Oct 7 | Exam 2 |
| | Oct 9 | Breeds of goats |

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| 8 | Oct 14 | Breeds of sheep |
| | Oct 16 | Breeds of horses |
| 9 | Oct 21 | Exam 3 |
| | Oct 23 | Livestock products |
| 10 | Oct 26 | Meat products |
| | Oct 28 | Skeletal & Muscular system |
| 11 | Oct 30 | Circulatory system |
| | Nov 4 | Anatomy |
| 12 | Nov 6 | Introduction to modes of inheritance and principles of genetics |
| | Nov 11 | Selection and mating systems<br>Genetic improvement in beef cattle, swine, sheep and horses |
| 13 | Nov 13 | Nervous and hormonal controlling mechanisms<br>Reproduction<br>Lactation |
| | Nov 18 | Exam 4 |
| | Nov 20 | Physiology of digestion |
| 14 | Nov 26 - 28 | Thanksgiving Holiday—no class<br>Environment |
| | Dec 2 | General nutritional requirements, introduction to feeds and feeding<br>Management of swine, beef, sheep and horses |
| | Dec 4 | Review |
| Finals | Dec 9 | Final Exam 8:00 – 10:15 a.m. |
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*Subject to modification if circumstances warrant