

COLLEGE OF ARTS AND SCIENCES

Sam Houston State University

Course Description and Syllabus - Undergraduate

DEPARTMENT:	Agricultural and Industrial Sciences
COURSE NUMBER AND TITLE:	AGR 496 - Reproductive Management
SEMESTER:	Summer I 2008 – June 3 to June 16
LOCATION OF CLASS MEETING:	Indoor Arena (Soils Lab)
CLASS MEETING TIME:	Monday through Friday, 8:00 am – 12:00 pm
INSTRUCTOR:	Kyle J. Stutts, Ph.D., Assistant Professor
OFFICE LOCATION:	Thomason - Room 311 A
TELEPHONE:	936-294-1219 (office)
EMAIL:	kjs015@shsu.edu
OFFICE HOURS:	As posted or by appointment

COURSE DESCRIPTION:

In this course, students will learn the anatomy and physiology of reproduction in beef cattle, all facets of reproductive management including: estrus detection, estrous synchronization, herd health, and the importance of proper nutrition, handling of frozen semen and liquid nitrogen containers, and sire selection. In addition, students will have the opportunity to become proficient in the artificial insemination of beef cattle.

REFERENCE AND TEXTBOOK:

The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle, Mitchell and Doak, 9th ed. Pearson-Prentice Hall, NJ.

Blackboard

ATTENDANCE POLICY:

Regular and punctual class attendance is expected. If a student misses an exam due to an EXCUSED absence, arrangements must be made IN ADVANCE with the instructor to take the exam. Otherwise, make-up exams will be comprehensive and scheduled at the end of the semester. Work turned in late (unexcused) will be adjusted 10% for each day late from the original grade received.

EXAMS AND GRADING PLAN:

Letter grades will be determined based upon the equal weighing of grades received on written exams and for performance in the laboratory.

Certificates will be awarded to students that exhibit a proficiency in artificial insemination during laboratory sessions.

Grade distributions will be based upon the following scale:

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

ACADEMIC DISHONESTY:

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives 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 which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Cheating WILL NOT be tolerated. Students caught cheating on an exam or quiz will be given a zero (0) for the exam or quiz grade and a letter will be written to the student's file.

CLASSROOM RULES OF CONDUCT:

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular phones and pagers must be turned off before class begins. Students are prohibited from making offensive remarks, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engage in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class.

Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

AMERICANS WITH DISABILITY ACT:

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling 936.294.1720.

RELIGIOUS HOLIDAYS:

University policy states that a student who is absent from class for the observance of a religious holy day shall be permitted to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. A student who wishes to be excused for a religious holy day must present the instructor with a written statement describing the holy day(s) and the travel involved. The instructor should provide the student with a written description of the deadline for the completion of missed exams and/or assignments.

COURSE OUTLINE:

- I. Orientation and Introduction
- II. Anatomy and Physiology of Reproduction
- III. A.I. Equipment
- IV. A.I. techniques
- V. Frozen Semen Handling
- VI. Liquid nitrogen container care
- VII. Estrus Detection
- VIII. Estrus Synchronization
- IX. Herd Health
- X. Proper Nutrition for Reproductive Efficiency
- XI. Body condition and culling practices
- XII. Sire evaluation, selection, and EPDs
- XIII. Weights, measures, and record keeping

LABORATORY EXERCISES

- I. Practical training on beef cattle