

**COLLEGE OF SCIENCE & ENGINEERING TECHNOLOGY**  
**Sam Houston State University**

Course Description and Syllabus

<b>DEPARTMENT:</b>	Agricultural Sciences
<b>COURSE NUMBER AND TITLE:</b>	ANSC 4389 – Animal Reproduction
<b>SEMESTER:</b>	Spring 2018
<b>LOCATION OF CLASS MEETING:</b>	Pirkle Engineering Technology Center 300 A&B
<b>CLASS MEETING TIME:</b>	Monday and Wednesday, 10:00-10:50 am
<b>LOCATION OF LABORATORY:</b>	PIRK 300 B, 310, and Gibbs Ranch
<b>LAB MEETING TIME:</b>	Wednesday, 1:00-2:50 pm, PIRK 300 B (Stutts) Wednesday, 3:00-4:50 pm, PIRK 310 (Bierschwale)
<b>INSTRUCTOR:</b>	Kyle J. Stutts, Ph.D., Associate Professor - Animal Science
<b>OFFICE LOCATION:</b>	Pirkle Engineering Technology Center 450 D
<b>TELEPHONE:</b>	936-294-1219 (office)
<b>E-MAIL:</b>	<a href="mailto:stutts@shsu.edu">stutts@shsu.edu</a>
<b>OFFICE HOURS:</b>	As posted or by appointment
<b>TEACHING ASSISTANT:</b>	Blayne Bierschwale, PIRK 450, 936-294-1217, <a href="mailto:bbb018@shsu.edu">bbb018@shsu.edu</a>

**COURSE DESCRIPTION:** This course will cover the anatomy and physiology of the male and female reproductive tracts, hormones governing reproductive processes, the estrous cycle and folliculogenesis, spermatogenesis, mating, gestation, parturition, and lactation. Assisted reproductive technologies such as artificial insemination and embryo transfer in livestock species will also be covered.

**REFERENCE AND TEXTBOOK:** Pathways to Pregnancy and Parturition. Senger, P. L., 3<sup>rd</sup> edition, Current Conceptions, Inc.

Course Notes Packet available at Eagle Graphics

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, a single make-up exam will be comprehensive and scheduled at the end of the semester to replace one exam grade. Work turned in late (unexcused) will not be accepted and will result in a grade of 0. Laboratory attendance is mandatory. In addition, SHSU policy states that a student may be penalized for more than three hours of absences at the discretion of the instructor.

All students will earn a grade based on laboratory attendance and participation in laboratory activities. If a student misses a laboratory due to an **EXCUSED** absence, the student may receive credit for the laboratory by submitting a 5-page paper over the topic(s) covered during the missed laboratory.

## **EXAMS AND GRADING PLAN:**

Grades will be determined based upon performance on four lecture exams, lecture/lab quizzes, lab attendance and participation, homework assignments, and a written paper. Laboratory attendance is **mandatory**.

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 engaging 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.

#### **SHSU WRITING CENTER:**

The Sam Houston Writing Center, located in Farrington 111, is open from 8 a.m. until 7 p.m. Monday through Thursday, 8 a.m. until 3 p.m. on Friday, and 2 - 7 p.m. on Sunday. Writing tutors will work with you one-on-one at any stage of the writing process (brainstorming, generating a draft, organizing a draft, or revising a draft) for any written assignment. The Writing Center operates on an appointment system, so please call (936) 294-3680 to schedule a session with a writing tutor.

#### **USE OF TELEPHONES AND TEXT MESSAGING DEVICES IN ACADEMIC CLASSROOMS:**

The use by students of electronic devices that perform the function of a telephone or text messaging during class-time may be prohibited if deemed disruptive by the instructor to the conduct of the class. Arrangements for handling potential emergency situations may be granted at the discretion of the instructor. Failure to comply with the instructor's policy could result in expulsion from the classroom or with multiple offenses, failure of the course.

Any use of a telephone, text messaging device, or any device that performs these functions during a test period is prohibited. These devices should not be present during a test and should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty.

#### **TOBACCO POLICY:**

In order to promote a healthy, safe, and aesthetically pleasing work, educational, and living environment, Sam Houston State University (SHSU) will endorse a smoke free and tobacco free environment. The primary purpose of this policy is to establish guidelines prohibiting smoking and the use of all tobacco products. Tobacco products include cigarettes, cigars, pipes, smokeless tobacco, and all other tobacco products. This policy applies to all faculty, staff, students, employees of contractors, and visitors of Sam Houston State University on the premises of the university.

#### **COURSE OUTLINE:**

- Female anatomy
- Male anatomy
- Embryogenesis of the reproductive tract and pituitary gland
- Regulation of reproduction
- Puberty
- Reproductive cyclicity and folliculogenesis
- Spermatogenesis
- Reproductive behavior
- Fertilization
- Early embryogenesis and recognition of pregnancy
- Parturition
- Lactation

**Laboratory Outline:**

- Laboratory Safety/CITI training
- Female macroscopic anatomy
- Female microscopic anatomy
- Male anatomy
- Breeding Soundness Exam
- Endocrinology
- Estrous Cycle
- Natural Service and Artificial Insemination
- Estrous Synchronization
- Superovulation and Embryo Transfer
- Pregnancy examinations
- Gestation, Parturition, and Lactation
- Reproductive diseases
- Field trips