

MASTER COURSE SYLLABUS

Department: Animal Sciences

Course Prefix Number: ANSC 310

Master Syllabus Approved by Department on: ____/____/____

I. Catalog description: Application of the fundamental concepts and principles of equine reproduction to modern horse breeding. Topics include reproductive anatomy and physiology of the mare and stallion, endocrinology, behavior and management.

II. Prerequisites: ANSC 308.

III. Expanded course description: This course examines in detail the reproductive anatomy, physiology, endocrinology and behavior of the mare and stallion. Topics will include the reproductive tract, oogenesis, spermatogenesis, hormonal control of the estrous cycle, conception, growth and development of the embryo and fetus, parturition, and seasonality. Hands-on opportunities include teasing, collection of semen, preparation of semen, artificial insemination, handling mares and stallions, foaling, reproductive treatments, and manipulation of the estrous cycle. Students will have the opportunity to assist with all phases of management including record keeping. This course is aimed at second semester juniors and is designed to be the scientific, physiology-based course for students interested in the production phase of the horse industry.

IV. Intended student learning outcomes: Students successfully completing this course should understand the fundamental physiology of equine reproduction. They should understand not only "what" events are occurring, but also "why" and "how" they happen. Students should be able to interpret visual signs from the animal and determine the hormonal and physiological basis causing them. They should be able to make decisions based upon their interpretation. This course will provide the opportunity for students to gain skills in handling breeding horses, observing important visual signs from the horses, and interpreting those signs. The goal of the course is to prepare students for positions at a commercial breeding farm, for graduate school, or to utilize the information in their own breeding operations.

V. Course requirements:

A) Written, essay-type quizzes will be given. In addition, there will be a comprehensive mid-term and final. Lab reports and a term paper will also be assigned.

B) Class attendance: Class attendance will be monitored. However, it will not be utilized in grade calculation.

C) Class participation: Students will be expected to help maintain the facilities used during lab. Participation in all scheduled labs is required. Participation in the breeding program outside of scheduled labs is voluntary. However, students who think that they will need the instructor's recommendation for a breeding related internship or job are strongly encouraged to participate in the entire breeding program.

D) Required text: *Equine Breeding Management and Artificial Insemination*, by Sampler.

VI. Academic Honesty: Cheating, plagiarism, or doing work for another person who will receive academic credit are all impermissible. In addition, the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

VII. Students With Disabilities Policy: It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state and local laws relative to the provisions of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.

Department Head Approval:

Signature

_____/_____/_____
Date