Reproductive Physiology of Domestic Animals
ANS 311
Fall 2015
MW 11:00-11:50 | AGIT 255
Web Enhanced

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Prerequisites
ANS 118: Introduction to Animal Science
BSc 1407: Introductory Biology II
Chem 1411: General and Quantitative Chemistry

Materials

Note: If you use the 2nd revised edition, it is your responsibility to make note of differences between the texts.

Student Learning Outcomes

Students successfully completing this course should be able to:

1. Communicate about reproductive anatomy and physiology using correct terminology, accurate spelling and current concepts.
2. Use physiological concepts to make good management decisions about reproductive management of livestock species.
3. Acquire and evaluate new information on reproductive technologies as they become available.
Course Description

This course covers anatomy, physiology, and endocrinology pertaining to reproduction in cattle, pigs, sheep, horses, and poultry. This course will cover basic concepts and principles that will be expanded to include reproductive management decisions and proper use of reproductive technologies.

Course Overview

Reproductive success in livestock is essential for the economic livelihood of producers and ultimately affects the consumer cost of meat and other animal products. In many livestock production systems, poor fertility is a major factor that limits productivity (http://www.csrees.usda.gov). Reproductive efficiency may be the #1 factor that affects profitability in many livestock production systems. Factors affecting reproductive efficiency include 1) increased selection for meat or milk production traits, 2) early embryonic and fetal loss, 3) failure to reach puberty at an optimum age or inability of young females to conceive early in the breeding season, 4) environmental stressors such as temperature or photoperiod changes, 5) production of sperm and their fertilizing potential, or 6) limited sex drive.

Grading

Attendance

Attendance will be taken every day at the beginning of class.

Testing

- Three exams will be given through the course (100 pts/each).
  - Approximate Exam Dates
    - October 7th
    - November 11th
    - December 16th
- All students are to take the in-class exams at the time they are scheduled unless you have a great excuse. If a makeup is written it may be more difficult, not easier, for the student.
- Approximately 10 quizzes will be given throughout the course (25 pts/each). Most quizzes will be posted online and taken online through the eCollege website. The lowest quiz will be dropped from the grade book.
- Additionally, unannounced quizzes may also be given.
- Points will be deducted for incorrect spelling on exams and quizzes.
Labs

Monday and Wednesday 3:00-4:50 at the Dairy Lab. Lab attendance is required. With prior approval you may change labs if you are unable to make your assigned lab time. A lab exercise or quiz may be given for each lab. For your second absence and everyone thereafter will result in a 10% reduction in your overall lab score. Points will also be awarded on attendance.

Grading

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<tbody>
<tr>
<td>Lab Points</td>
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<td>Quizzes</td>
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<td>3 Exams</td>
<td>40%</td>
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<td><strong>Total</strong></td>
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A: 90% +
B: 80-89%
C: 70-79%
D: 60-69%
F: Below 60%

General Class Rules

1. Attentiveness in class is suggested but not required. Achieving the course objectives and being successful will require attendance, taking notes, reading the text, and study. However, if you choose otherwise, do not, talk to your neighbors, read the paper, and especially do not text.
2. All hats will be removed (or ball caps turned backward) during exams. Also you may be asked to leave your backpacks in the front of the room on exam days.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures

Academic Honesty
Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including (but not limited to) receiving a failing grade on the assignment, the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. In ALL instances, incidents of academic dishonesty will be reported to the Department Head. Please be aware that academic dishonesty includes (but is not limited to) cheating, plagiarism, and collusion.

Cheating is defined as:
• Copying another’s test of assignment
• Communication with another during an exam or assignment (i.e. written, oral or otherwise)
• Giving or seeking aid from another when not permitted by the instructor
• Possessing or using unauthorized materials during the test
• Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key

**Plagiarism** is defined as:

• Using someone else’s work in your assignment without appropriate acknowledgement
• Making slight variations in the language and then failing to give credit to the source

**Collusion** is defined as:

• Collaborating with another, without authorization, when preparing an assignment

If you have any questions regarding academic dishonesty, ask. Otherwise, I will assume that you have full knowledge of the academic dishonesty policy and agree to the conditions as set forth in this syllabus.

**University Specific Procedures**

**Students with Disabilities:**

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 for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services**

**Texas A&M University-Commerce**

Gee Library

Room 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

StudentDisabilityServices@tamuc.edu