

Animal Science 424 Applied Livestock Reproduction Fall 2009

2-2:50 pm M W 306 KH
3-4:50 pm Tu 305 KH

Dr. Ken Nimrick

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Materials fee: \$50.00 lab fee due by first lab 9/1/09

Recommended Text:

“Pathways to Pregnancy and Parturition” 2nd edition, (2003) Senger

“Applied Animal Reproduction” 6th edition, (2004) Bearden and Fuquay

Other Requirements: Basic calculator

Course Objectives:

1. Understand the reproductive process in livestock
2. Be aware of the normal functioning of the reproductive system
3. Be aware of clinical aberrations which may occur
4. Understand basic management and manipulation of the reproductive process

Grading system:

Lecture exams and final	500pts	A=657-730
Assignments/quiz	60	B=584-656
Lab attendance	110	C=511-583
Lecture attendance	60	D=438-510
Total	730	F= 0-437

Exam and Assignment Policy:

Exam dates are provided in the course outline. Assignments are due at the start of the next class period unless specified otherwise. Late assignments will be deducted 5 points per day. The assignment sheet must be included or 5 points will be deducted.

Attendance policy:

Attendance and participation are important components of this course. Attendance is expected. Excuses for a missed quiz, assignment or exam will be considered only in emergency situations or special prior arrangements with the instructor.

Student rights and responsibilities:

See <http://www.wiu.edu/provost/student/> for policies relating to academic dishonesty, class attendance, and grade appeal.

ADA Compliance:

In accordance with University policy and the Americans with Disabilities Act (ADA), accommodations in the area of test or note taking may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to my attention, as I am legally not permitted to inquire about the particular needs of students. Furthermore, I would like also to request that students who may require special assistance in emergency evacuations (i.e., fire, tornado, etc.) contact me as to the most appropriate procedures to follow in such an emergency.

ANSC 424

Tentative Course Schedule

Aug 24 M Introduction and importance of reproduction
25 Tu History of reproduction – Introduction to female anatomy
26W Female anatomy

31 M Female anatomy

Sep 01 Tu **Lab 1** Non-pregnant female anatomy
02 W Female anatomy

07 M **NO CLASS – LABOR DAY**
08 Tu Hormones
09 W Estrous cycle

14 M Estrous cycle
15 Tu Finish and review
16W **Exam 1**

21 M Puberty
22 Tu **Lab 2** Pregnant female anatomy
23 W Gestation and pregnancy

28 M Gestation and pregnancy
29 Tu **Lab 3** Pregnancy diagnosis-beef
30 W Parturition

Oct 05 M **NO CLASS Bull Test**
06 Tu **NO CLASS Bull Test**
07 W Post-partum recovery

12 M Lactation
13 Tu **Lab 4** Equine reproduction field trip
14 W Finish and review

19 M **Exam 2**
20 Tu **Lab 5** Pregnancy diagnosis-swine
21 W Male anatomy

26 M Male anatomy
27 Tu **Lab 6** Swine semen collection and processing
28 W Spermatogenesis

Nov 02 M Semen collection, evaluation and processing
03 Tu **Lab 7** Swine AI
04 W Semen collection, evaluation and processing

09 M **Exam 3**
10 Tu **Lab 8** Breeding soundness exam
11 W Artificial insemination

16M Artificial insemination
17 Tu **Lab 9** Beef AI
18 W Embryo transfer

23-27 **NO CLASS – FALL BREAK**

30 M Other new technologies

Dec 01 Tu **Lab 10** TBA
02 W Estrous synchronization

07 M Reproductive problems
08 Tu **Lab 11** Herd reproductive analysis
09 W Finish and review

14 M **FINAL EXAM – 3 pm**