Objective of the course. In the lecture section of the course students will be introduced to anatomical, cellular and physiological information involving mammalian reproductive systems. When appropriate, comments will be made on reproductive systems and events of other species. The laboratory section of the course will cover more applied aspects of reproduction in domestic species.

Course Grading. There will be 3 exams and a final each worth 20% of the total grade. The lab grade will represent 20% of the total grade and will be calculated from the scores of 5 quizzes. See the schedule for lab topics, location of labs, and dates of the quizzes.

Attendance Policy. Students will be responsible for all the material covered in class, and in laboratories including any possible rescheduling of the exams. Students unable to be present for a scheduled exam should contact the T.A. or faculty before or on the day of the exam and inform about their problems. Failure to do this will result in a “0” and students will be unable to reschedule the exam. All rescheduled exams should be completed within the week of the missed exam.

Policy on Academic Honesty. Cheating on exams will result in a 0% on that exam.

Recommended Reading. During the lectures we expect to cover all the material that will be asked in the exams. The lecture materials will be available in our moodle web page.

Exam Schedule:
First Exam, February 11
Second Exam, March 9
Third Exam:
Final Exam: Scheduled time of finals.
List and order of lectures

Lecture Topic

1.1. Sex Determination  
1.2. Cell Cycle  
1.3. Oogenesis.  
1.4. Spermatogenesis  
1.5. Epididymal Maturation  
1.6. Sperm  
1.7. Sperm transport  
1.8. Fertilization  
1.9. Reproductive Biotechnology

**Exam 1: February 11th**

2.1. Reproductive cyclicity  
2.2. Follicular Phase  
2.3 How Hormones Work?  
2.4 Luteal Phase  
2.5 Contraception  
2.6 Puberty  
2.7 Rhythms

**Exam 2: March 9th**

3.1. Male Anatomy  
3.2. Female Anatomy  
3.3. Sex Differentiation

**Exam 3:**

4.1. Embryogenesis Review  
4.2. Maternal Recognition of Pregnancy  
4.3. Implantation  
4.4. Pregnancy  
4.5. Prenatal Physiology  
4.6. Parturition  
4.7. Lactation

**Exam 4:**