

Online Animal Reproduction

ANEQ 310

Fall 2017

Instructor

Pablo Pinedo

Animal Sciences Office 042

(970) 491-8300 Office

pinedop@colostate.edu

Office Hours: By appointment

Teaching Assistants

Katelyn Fritsche

Katelin.fritsche@colostate.edu

Ana Velasquez

Ana.Velasquezmunoz@colostate.edu

Office Hours: by Appointment

Recommended Text:

1. Pathways to Pregnancy and Parturition, P.L. Senger, 3r Edition

Recorded Materials:

Dr. Kraig Peel

Course Objectives:

1. Learn the function and anatomy of the male and female reproductive systems in domestic farm animals
2. Develop a basic understanding of the endocrine and physiological mechanisms controlling the reproductive process
3. Understand current reproductive technologies
4. Obtain an understanding of the reproductive process in order to develop successful reproductive management strategies
5. Have the ability to solve real world reproductive problems

Examination, Quizzes and Grading System:

Item	Points	% of Grade
5 quizzes (30 pts each; <u>drop the lowest</u>)	120	15
3 Exams (160 pts each)	480	60
Final Exam (cumulative)	200	25
Total Possible	800	

A discussion activity on reproductive biotechnologies will be developed during week 14. This activity is worth 20 points (added to the final cumulative score).

The final grade is determined by the percentage of total possible points earned. Grades will consist of whole letter grades, not plus and minus. *The instructors reserve the right to adjust grading to a curve scale based upon performance of the class.*

90% - 100%	- A
80% to 89%	- B
70% to 79%	- C
60% to 69%	- D
Below 60%	- F

Online Course Delivery:

This course will be taught completely online with opportunities for interaction with the instructing team. Quizzes will be taken online on the honor system. Exams must be proctored by someone that is pre-approved by Dr. Pinedo. We will find a classroom on campus for exams for those students that are in the Fort Collins area.

Academic Integrity:

CSU policy on academic integrity, found in the Student Rights and Responsibilities section of the University General Catalog (<http://www.catalog.colostate.edu>), applies to this course. All incidents of academic misconduct (e.g., cheating, plagiarism, unauthorized possession or distribution of academic materials, falsification, facilitation of cases of academic misconduct, etc.) may result in a failing grade on the relevant assignment, exam or for the course. Furthermore, all incidents of academic misconduct will be reported to the Office of Conflict Resolution and Student Conduct Services. Students are committed to honorable and trustworthy behavior, in the spirit of the Honor Pledge. The course instructor will list items such as class and study group notes, review assignments, formula sheets, and (or) tests from previous courses, that can be shared without violating academic integrity.

Academic honesty is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person's work has been responsibly and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards academic dishonesty as an extremely serious matter, with serious consequences that range from probation to expulsion. When in doubt about plagiarism, paraphrasing, quoting, or collaboration, consult the course instructor. Plagiarism from any source for written assignments is not acceptable.

Semester Schedule Fall 2017			
Week	Lecture	Book Chapter	Topic
Week 1 August 21 to 27	1	Chapter 1	Organization and Introduction
Week 1	2	Chapter 2	Anatomy and Physiology of the Female
Week 2 August 28- September 3	3	Chapter 3	Anatomy and Physiology of the Male
Week 2	On lectures 1-2	Quiz 1	Quiz 1- Opens Tuesday August 29 @8am and Closes Thursday August 31 @5pm on Canvas
Week 3 September 4- September 10	4	Chapter 4	Embryogenesis of Reproductive System
Week 3	5	Chapter 5	Regulation of Reproductive Physiology- Nerves, Hormones and Target Tissues
Week 4 September 11-September 17	On lectures 1-5	Exam 1	Exam 1. Exam Available on Campus Thursday September 14, 2017 Time TBA If Proctored Must be taken before 5pm on Thursday September 14
Week 4	6	Chapter 6	Puberty
Week 5 September 18-September 24	7	Chapter 7	Reproductive Cycles- Basic Concepts
Week 5	8	Chapter 8	Reproductive Cycles-Follicular Phase

Week 6 September 25-October 1	On Lectures 5-8	Quiz 2	Quiz 2: Opens Tuesday September 26 @8am and Closes Thursday September 28 @5pm on Canvas
Week 6	9	Chapter 9	Reproductive Cycles- Luteal Phase
Week 7 October 2- October 8	10	Notes Provided	Synchronization of Estrus and Ovulation/ Synchronization Methods
Week 8 October 9-October 15	On Lectures 6-10	Exam 2	EXAM 2: Exam Available on Campus Thursday, October 12, Time TBA If Proctored Must be taken before 5pm on Thursday, October 12.
Week 8	11	Chapter 10	Endocrinology of the Male and Spermatogenesis
Week 9 October 16-October 22	On Lectures 9-11	Quiz 3	Quiz 3-Opens Tuesday October 17 @8am and Closes Thursday October 19 @5pm on Canvas
Week 9	12	Chapter 11	Reproductive Behavior and Mating
Week 10 October 23- October 29	13	Notes Provided	Reproduction and Nutrition
Week 10	14	Chapter 12	Spermatozoa in the Female Tract: Transport, Capacitation, Fertilization
Week 11 October 30-November 5	On Lectures 12-14	Quiz 4	Quiz 4- Opens Tuesday October 31 @8am and Closes Thursday November 2 @5pm on Canvas
Week 11	Discussion post		
Week 12 November 6-November 12	On Lectures 11-14	Exam 3	EXAM 3 -Exam Available on Campus Thursday, November 09, Time TBD If Proctored Must be taken before 5pm Thursday, November 09.
Week 12	15	Chapter 13	Early Embryogenesis and Maternal Recognition of Pregnancy
Week 13 November 13-November 17	16	Chapter 14	Placentation, The Endocrinology of Gestation and Parturition
Week 13	17	Chapter 15	Puerperium and Lactation
Week 14 November 27-December 3	On Lectures 15-17	Quiz 5	Quiz 5-Opens Tuesday November 14 @8am and Closes Thursday November 16 @5pm on Canvas
Week 14	18	Notes Provided	Reproductive Biotechnologies (Cloning, ET,IVF, etc.)

Week 15 December 4-December 10	Discussion Post		
Week 16 December 11-December 15	Cumulative	Final Exam	FINAL EXAM. Wednesday December 11, Time TBD