

ANEQ 386B EQUINE PRACTICUM – EQUINE REPRODUCTIVE MANAGEMENT
Spring 2017
Lecture/Lab: Tuesdays 8:00 – 9:50 PM
Outside Time: TBA

Instructors: Ryan Brooks, 115 Equine Center, Office Phone: 970-491-8313, Ryan.Brooks@colostate.edu

Office Hours: By Appointment

Location: This class will meet in the ERL Classroom and will work around the entire ERL facility.

Optional Text: Brinsko, Blanchard, Brinsko, Steven P, Blanchard, Terry L, and ScienceDirect. Manual of Equine Reproduction. 3rd ed. St. Louis, Mo.: Mosby/Elsevier, 2011. Print.

Course Goals: This course is designed to give students hands-on experience in equine reproductive management. Students will learn various skills and techniques over the 8-week term, proficiency will be obtained by students while completing the tasks on their own (supervised) outside of the designated class time. Demonstrations will be given during class. Topics will address stallion and mare management. Prerequisite: ANEQ 344.

Class Policies: Students must be in attendance to all class sessions. If an absence in unavoidable please see the instructor to discuss. Students are expected to participate in all activities and ask questions when applicable. There may be a number of guest speakers and please remember that you are representing CSU at all times.

Students should realize they will be working with and around horses in this class, and that there are inherent dangers associated with handling horses and working in an equine environment. Students are required to follow safety procedures and are strongly encouraged to have accident insurance, which is available through the university.

Students with disabilities or special needs are responsible for informing the instructor at the beginning of the semester so that appropriate arrangements can be made.

Grading:

<u>Item</u>	<u>Percentage</u>
Participation / Attendance	25%
Proficiency in Repro Techniques	40%
Laboratory Manual	35%

Letter grades will be assigned according to the following scale:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
< 59%	F

Schedule:

March 21 – Introduction, semen collection, stallion handling, teasing, semen evaluation

March 28 – Semen processing for cooling/transport

April 4 – Semen processing for cryopreservation and thawing

April 11 – Artificial insemination, speculum exam

April 18 – Drug formulary and medical records

April 25 – Ultrasound evaluation, endometrial biopsy, uterine culture/cytology

May 2 – Embryo collection/transfer, embryo handling

May 10 – Lab Manuals DUE

Proficiency in Reproductive Techniques:

You will become proficient in standard breeding practices including but not limited to mare management, record keeping, semen collection, semen evaluation, semen processing for transport and freezing (cryopreservation), speculum exams, artificial insemination, administration of meds, and hormone therapy. See proficiency checksheet.

Laboratory Manual:

The lab manual should be consistent with a complete procedural guide. You are to include all topics covered in this course. The purpose of the manual is to serve as a step-by-step guide for future use and reference by the student.