

**ANSC 4132**  
**EQUINE REPRODUCTION**  
**SPRING 2014**

**CLASS SCHEDULE:** M: 4:10 – 5:00  
F: 3:10 – 5:00

**LOCATION:** AB 103

**INSTRUCTOR:** Doug Zalesky, office: AB 112, *office hours:* by appointment, *office phone:* (307) 766-3665, cell: (970) 759-8626 *email:* dzalesky@uwyo.edu

**COURSE DESCRIPTION:** To enhance students' overall knowledge of equine reproduction and technologies associated with reproduction efficiency.

**COURSE OBJECTIVES:** Familiarize students with the principals of equine reproduction from estrus manipulation, detecting pregnancy with ultrasonography, artificial insemination techniques, semen preservation and new technologies in equine reproduction.

**REQUIRED TEXT:** Manual of Equine Reproduction, 3rd Edition. By Terry Blanchard, Dickson Varner, James Schumacher, Charles Love, Steven Brinsko, and Sherri Rigby

<b>Exam1</b>	<i>Chapters 1-6: Reproductive anatomy and physiology of the mare-Manipulation of Estrus-Breeding soundness of the mare-Ultrasonography - Endometritis</i>	100	15%
<b>Exam 2</b>	<i>Chapters 7- 11: Pregnancy-Management of Pregnant Mare – Dystocia and Postparturient Mare - Management of the Neonatal Foal</i>	100	15%
<b>Exam 3</b>	<i>Chapters 12- 19: Semen Collection-Preservation – Stallion Breeding Soundness –A.I. – Embryo Transfer – Reproductive Surgeries – Breeding Records - Technologies</i>	100	15%
<b>Labs</b>	Lab Reports/Assignments (4 @ 50 points each)	200	30%
<b>Final</b>	<i>Final Presentation and Paper on Equine Reproduction</i>	150	25%
	<b>Total Points</b>	<b>650</b>	<b>100 %</b>

**Final** - Students will be required to complete a 8-10 page paper on a specific equine reproduction issue. Student should address the cause, concern, and prevention of the issue at hand and how the

issue can/does effect the equine reproduction. The students will also be asked to give a 10 minute presentation on their topic area. Paper and presentation due the last week of classes. Attendance is mandatory.

**GRADING:** Grades will be assigned based on total points earned with **90-100% = A, 80.0-89.9% = B, 70.0-79.9% = C, 60.0-69.9% = D, less than 60.0% = F.**

**ATTENDANCE POLICY:** Class attendance is important. If you are too ill or injured to attend class, please contact Dr. Zalesky as soon as possible.

**MAKE-UP POLICY:** An acceptable excuse must be presented to the instructor prior to missing class or a lab. If you have a problem, please visit with Dr. Zalesky– **before the affected class period** if possible.

**ACADEMIC DISHONESTY:**

GENERAL INFORMATION. All members of the University community are responsible for upholding the values of academic integrity. The faculty considers academic integrity a matter of common concern, not merely a private issue between instructor and student. Honesty in all academic endeavors is a component of academic integrity that is vital to the educational functions of the University. Whatever form academic dishonesty may take, the faculty considers it as establishing a student's failure to demonstrate the acquisition of knowledge and the failure to apply it to an academic endeavor. It is a student's responsibility to learn the standards of conduct for the performance of academic endeavors; it is an instructor or faculty member's responsibility to make reasonable effort to make known the standards of conduct for the performance of academic endeavors. Through an atmosphere of mutual respect we enhance the value of education and maintain high standards of academic excellence. Failure on the part of the student to observe and maintain standards of academic honesty, as hereafter defined or made known by an instructor responsible for a course or other academic endeavor, requires corrective action as hereafter authorized.

ACADEMIC DISHONESTY is defined by the UW Faculty as: **An action attempted or performed that misrepresents one's involvement in an academic endeavor in any way, or assists another student in misrepresenting his or her involvement in an academic endeavor.** Examples of academic dishonesty include, but are not limited to: Plagiarism, Cheating, Fraud, Violation of Standards, Multiple Submissions, Interference or Obstruction, Complicity.

See University Regulation 6-802 for details.

<http://www.uwyo.edu/generalcounsel/support/clean%20uw%20regulations/UW%20Reg%206-802.pdf>

Also see the file on Academic Honesty at the UW A-Z Directory.

<http://www.uwyo.edu/UW/WebDirectory/>

**DISABILITY STATEMENT:** If you have a physical, sensory, cognitive, or psychological disability and require accommodations, please let me know as soon as possible. You will need to register with, and provide documentation of your disability to University Disability Support Services (UDSS) in SEO, room 330 Knight Hall. You may also reach them at 766-6189, TTY: 766-3073.

## ANSC 4132

### Equine Reproduction

<i>Lecture</i>	<i>Topic</i>	<i>Chapter</i>
<b>1</b> (1-13)	Course Introduction and Preview	
<b>2</b> (1-17)	Reproductive Anatomy of the Mare	1
(1-20)	NO CLASS – MLK Day	
<b>3</b> (1-24)	Reproductive Physiology of the Non-Pregnant Mare	2
<b>4</b> (1-27)	Manipulation of Estrus in the Mare	3
<b>5</b> (1-31)	Breeding Soundness Examination of the Mare	4
<b>6</b> (2-3)	Trans-Rectal Ultrasonography in the Broodmare	5
(2-7)	<b><i>LAB I-Repro. Anat., Breeding Soundness, Ultrasound</i></b>	
(2-10)	Endometritis	6
<b>7</b> (2-14)	<b><i>Exam I – Chpts. 1-6</i></b>	
<b>8</b> (2-17)	Pregnancy: Physiology and Diagnosis	7
(2-21)	Pregnancy Loss	8
<b>9</b> (2-24)	Management of the Pregnant Mare	9
<b>10</b> (2-28)	Dystocia and Postparturient Disease	10
<b>11</b> (3-3)	Routine Management of the Neonatal Foal	11
(3-7)	<b><i>Exam II – Chpts. 7-11</i></b>	
<b>12</b> (3-10)	Semen Collection and Artificial Insemination	12
<b>13</b> (3-14)	Examination of the Stallion for Breeding Soundness	13
(3-17)	NO Class – Spring Break	
(3-21)	NO Class – Spring Break	
<b>14</b> (3-24)	Semen Preservation	14
(3-28)	Surgery of the Mare Reproductive Tract	15
<b>15</b> (3-31)	Surgery of the Stallion Reproductive Tract	16
(4-4)	<b><i>Lab II – Semen, Breeding Soundness, AI</i></b>	
<b>16</b> (4-7)	Overview of Embryo Transfer	17
<b>17</b> (4-11)	Evaluation of Breeding Records	18
<b>18</b> (4-14)	New Technologies	19
(4-18)	NO Class – Easter Break	
<b>19</b> (4-21)		
(4-25)	<b><i>Exam III – Chpts 12-19</i></b>	
(4-28 & 5-2)	<b><i>Papers and Presentations on Equine Reproduction</i></b>	

