**Horse Breeding Management-Lecture Portion**

**AT 277A**

**Tentative Course Syllabus**

**Course Number:** AT 277A

**Credits:** 2 (2 hours of lecture/week) on Tuesday and Thursday: 1:00pm-1:50pm

**Location:** White Oak Hall Room 203

**Text:** The Horse by Evans, Borton, Hintz and Van Vleck

**Instructor:** Jenny Strooband

**Instructor Office:** WOH 127C

**Office Hours:** Tuesday 2-3 pm; Wednesday 9-10 am, Friday 10-11 am

**Phone:** (541) 917-4767 – office

**Email**: jenny.strooband@linnbenton.edu

**Instructor Website:**<http://cf.linnbenton.edu/mathsci/ansci/stroobj/web.cfm?pgID=1050>

**Moodle:**[http://elearning.linnbenton.edu](http://elearning.linnbenton.edu/)

**Course Objectives:**

**As a result of taking this class students will be able to:**

* Identify and describe the functions of male and female reproductive anatomy.
* Develop an estrus synchronization program for horses.
* Calculate the immediate use and cooled and shipped dosages for a stallion ejaculate.
* Employ effective semen handling techniques for proper insemination.
* Summarize the stages of labor and parturition, and explain optimal neonatal experiences.

\*\*\*This class is the first class in a two class sequence. It is followed in the spring by AT 277B, Horse Breeding Management Laboratory.\*\*\*

**Grading**

There will be 2 quizzes, 2 midterms, a handful of homework problems, and a final for this class. If you need to miss an exam or quiz please let me know in advance. You will have until the next class period to make it up. Make up exams and quizzes will be offered in the assessment center in RCH. The exam and quiz schedule is tentative, but I’ll try to stick to it.

Quizzes 2 x 30 = about 60 points

Midterm I 100 points

Midterm II 100 points

Homework 2 x 40 = 80 points

Final (cumulative) 150 points

**Total 490 points**

**Incomplete Grades**:

An incomplete (I) may be given if the student completes the majority of the coursework, but for some VALID reason misses a portion of the course. Before an “I” is given the student and the instructor must agree on when the work will be completed. If the student does not complete the work they may receive a letter grade for the course.

**Other Information:**

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [**CFAR Website**](https://www.linnbenton.edu/cfar) for steps on how to apply for services or call (541) 917-4789.

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**Tentative Class Schedule**

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## Week Date Topic Reading

1 1/6 Introduction, Start Stallion Reproductive Physiology pp. 354-360

2 1/13 Stallion Reprod. Phys., Collection techniques; pp. 360-374

3 1/20 Semen Eval., Stallion Management; **Q1 on 1/21** pp. 374-388

4 1/27 Stallion cont., **Midterm I Stallion (1/30/20)** Review

5 2/3 Mare Reprod. Physiology pp. 315-337

6 2/10 Estrous Cycle & Artificial Hormone Use pp. 337-351

7 2/17 Embryo Transfer; **Q2 on 2/18**  pp. 390-412

8 2/24 Twinning pp. 412-430

9 3/2 **Midterm II Mare** **(3/6/20);** Conception& Placentation Review

10 3/9 Labor, Delivery, Care of the New Foal pp.430-444

11 3/16 **Cumulative** **Final Exam – Tuesday, 3/17 at 2:30pm in Classroom**