**Horse Breeding Management Laboratory**

**Tentative Course Syllabus**

**Course Number**: AT 277B

**Location: Online until quarantine and then:** Horse Center; MWF 12:00 pm – 1:20 pm

**Credits**: 2 (6 hours lab)

**Instructor**: Jenny Strooband

**Office**: WOH127C

**Office hours**: Online via zoom until quarantine is over, then Tuesday 11-1

**Phone**: 917-4767; Horse Center 928-7686

**Text**: The Horse (Evans),

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

**Website**:There is a Moodle Page.

**Course Objectives**

1. Assemble an artificial vagina.

2. Safely handle a stallion and mare during teasing, live cover, or artificial insemination.

3. Evaluate an ejaculate using modern technology.

4. Calculate an insemination dose.

5. Sterile technique and artificial insemination of the mare.

6. Understand the basics of ultrasonography.

7. Predict foaling using colostrum and antibody tests.

8. Foal out a mare and provide immediate neonatal care.

9. Halter break a foal and teach it how to lead.

**Student Responsibilities**

Due to the applied nature of this course, there will be work required outside of class. Students will be assigned to work in groups, and given mares to “foal out”, as well as mares to breed throughout the season. Often, the student will be required to perform class related work with little supervision. It is your responsibility to utilize safety tools you’ve learned throughout your education to keep yourself, your friends, and your horses safe.

**Grading**

Attendance is required for this course. There are 270 possible points for attendance, and 10 points will be deducted every time a laboratory is missed. There will be some written work required, often in the form of semen evaluations. Each group must turn in a journal at the end of the quarter highlighting important information from each mare.

Attendance: 5 points/lab x 28 labs = 140 points

Participation: 5 points/lab x 28 labs = 140 points

In class assignments (approximately) = 100 points

End of Quarter Project = 100 points

**Schedule**

The schedule of this course will be dictated by the rather unreliable schedule of the mares. Unfortunately, we might be slammed one week, and pretty mellow the next. It’s just the nature of the business.

**Instructor’s Note**

I’m very excited to teach this class! It’s my favorite topic! Your involvement in class activities will directly affect your learning experience. Get involved! If you leave the barn clean you’re not experiencing the class the way it was meant to be experienced. I’d really like to take some field trips, but time constraints of the course might be a problem. We’ll discuss taking some trips on our own time…

**Accommodation Requests**

You should meet with your instructor during the first week of class if:

· You have a documented disability and need accommodations

· Your instructor needs to know medical information about you

· You need special arrangements in the event of an emergency.

If you have not accessed services and think you may need them, please contact Disability Services, 917-4789.

Persons having questions about or requests for special needs and accommodations should contact the Disability Coordinator at Linn-Benton Community College, RCH-105, 6500 Pacific Blvd. SW, Albany, Oregon 97321, Phone (541)-917-4690 or via Oregon Telecommunications Relay TTD at 1-800-735-2900 or 1-800-735-1232. Contact should be made 72 hours or more in advance of the event.

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**Tentative Laboratory Schedule**

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| **Week** | **Date** | **Lab** | **Video** |
| 1 | 4/6 | Orientation Week: Meet Groups and Mares | Milk Hardness Test |
| 2 | 4/13 | Semen Evaluation #1 | Foaling Review and 1st Semen Evaluation |
| 3 | 4/20 | Semen Evaluation #2 | Semen Collection and Eval. |
| 4 | 4/27 | Semen Evaluation #3 | Semen Collection and Eval. |
| 5 | 5/4 | **Lab Practical #1 – Semen Evaluation**  **POSTPONED** | Semen Evaluation from Practical |
| 6 | 5/11 | Palpation | Mare Reprod. Review |
| 7 | 5/18 | Ultrasound |  |
| 8 | 5/25 | Artificial Insemination #1 |  |
| 9 | 6/1 | Artificial Insemination #2  *No School 5/27 – Memorial Day* | Foal Haltering |
| 10 | 6/8 | **Lab Practical #2 – Artificial Insemination** | Foal Leading |
| ~~11~~ | ~~6/10~~ | ~~Term Projects~~ | ~~Due 6/10~~ |