Equine Science Course Syllabus – Fall 2022 Section 55367

## Instructor Information:

Desiree Molyneux M.S.

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Office Hours AG 4:

Monday, Wednesday, Friday 11:00 a.m. – 12:00 p.m. Tuesday 2:00p.m. – 4:00 p.m.

# Class Meeting, Holidays and Drop Deadlines:

Lecture: Tuesday & Thursday 9:00 – 9:50 a.m. AG 15 Lab: Thursday 3:00 – 5:50 p.m. Pavilion.

August 19th Last day to drop this class for a full refund. August 26th last day to add this class. August 26th last day to drop this class to avoid a W on transcripts. The last day for a student to drop this course is **October 7th**. After this date, the student must receive a letter grade.

Finals Thursday December 8th, 9:00 a.m.- 10:50 a.m.

# Text &Supplemental References

Rick Parker. Equine Science, 4th ed. -, 2012 Notebook & writing utensil are required, Animal Industry Trade Magazines, Equine Breed Magazines, and numerous Internet Sites. Additionally, closed toe boots and long pants are required for laboratory activities.

# Grading scale

The final grade for this course will be weighted as follows: 40% class assignments & tests, 40% out-of-class assignments, and 20% final exam

| Letter Grade | Percentage Points |
| --- | --- |
| A | 100-90% |
| B | 89-80% |
| C | 79-70% |
| D | 69-60% |
| F | 59% or less |

Attendance Requirements:

Attendance is required.

* Students are responsible for obtaining notes/information missed due to an absence from the instructor.
* Please notify the instructor if you know in advance that you will be absent from class.
* College policy dictates that an instructor should drop a student with two consecutive weeks of unexcused absences.
* At the end of the 9th week of instruction, no withdrawals are permitted and the student must receive a grade.
* Make up tests and assignments will only be allowed for emergency situations and pre-excused absences.

# Behavioral Standards:

All students are expected to act in a mature, responsible manner that respects the rights of all other students, the instructor, and any guest presenters that may participate in the class. All cell phones and other electronic gadgets that may cause distraction are to be turned “off” or kept on “silent” during lecture and not allowed at all during lab. Close tow shoes will be required for lab, preferably boots.

# Cheating & Plagiarism:

In keeping with the philosophy that students are entitled to the best education available, and in compliance with Board Policy 5410, each student is expected to exert an entirely honest effort toward attaining an education. Violations of this policy will result in disqualification for the course.

# Accommodation Statement:

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

# Course Description:

This course is a survey of the equine industry, encompassing the evolution and role of the equine species throughout history, breed selection and development, nutrition, diseases, preventative health, reproductive management, basic horse care, and stabling alternatives.

# Student Learning Outcomes:

Upon completion of this course, students will be able to:

1. Apply sound animal husbandry practices to the ethical care and management of equine species.

2. Observe appropriate safety measures when working with or around equine species.

# Course Learning Objectives:

In the process of completing this course, students will:

1. Explain the role of the horse in the development of civilization world-wide and the current contributions of the horse to society.

2. Identify common breeds of horses and list their breed strengths and common uses.

3. Identify external anatomical features of the horse.

4. Judge and rank classes of horses in accordance with current industry standards.

5. Demonstrate a knowledge of common equine diseases, their causes, prevention, and treatment.

6. Explain the basic principles of digestion and describe practical nutrient requirements for various stages of production in equine species.

7. Demonstrate a knowledge of practical equine reproductive management.

8. Demonstrate a basic understanding of horse behavior in different surroundings.

9. Design an efficient and safe horse handling facility.

10. Demonstrate basic horse care, safety and management practices.

11. Evaluate career opportunities and requirements for successful employment in the horse industry.

12. Identify basic horse tack and equipment

# Lecture Topic Outline

A. Evolution of the Horse

1. Prehistoric evolution

2. Domestication and historic influence

3. Development of the modern horse

B. Horse Breeds

1. Origins

2. Selection pressures and development

3. Current uses

C. Parasites

1. Common internal and external parasites

2. Role of parasites in disease process

3. Control and management of parasites

D. Diseases

1. Common infectious diseases

2. Non-infectious diseases

3. Preventive health and vaccination programs

E. Nutrition and Digestion

1. Digestion and utilization of feed

2. Dental health

3. Nutrient requirements

4. Feeding systems

F. Anatomy and Conformation

1. Basic structural anatomy

2. Motion of the horse and gait analysis

3. Lameness

G. Equine Behavior

1. Normal

2. Abnormal, vices

3. Special circumstances

H. Reproduction

1. Mare reproductive physiology

2. Stallion reproductive physiology

3. Pregnant mare

4. Neonatal

I. Basic Horse Care

1. Grooming and hygiene

2. Hoof care and shoeing

3. Basic handling

J. Facilities and Equipment

1. Ranch lay-out

2. Equipment

3. Stabling alternative

## Lab Content Outline

A. Horse Behavior, Handling & Safety

B. Basic Horse Care

1. Catching, Moving & Handling a Horse
2. Methods of Restraint
3. Veterinary Procedures
4. Hoof Care
5. Grooming & Hygiene

C. Horse Selection & Evaluation

1. Horse Type & Conformation
2. Evaluation of Gaits
3. Judging Halter Classes
4. Judging Performance Classes

D. Health Maintenance

1. Identifying Signs of Illness
2. Disease Prevention & Treatment Methods
3. Parasite Control

E. Equine Nutrition

1. Common Feedstuffs for Horses
2. Supplements
3. Feeding Equipment & Methods

F. Tool & Equipment Identification

1. Handling & Restraint
2. Veterinary Tools & Instruments
3. Grooming Tools & Supplies
4. Veterinary Pharmaceuticals & Supplies
5. Riding Equipment & Tack