**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

1. **GENERAL COURSE INFORMATION**

Course Number: AGRI 1128

Course Title: Horse Science

Credit Hours: 3

Prerequisites: AGRI Principles of Animal Science 1106

Division/Discipline: Workforce Training & Community Education/Agriculture Business Management, Beef Cattle Production

Course Description: This course introduces students to the husbandry and management techniques necessary to care for the horse; whether a performance, working, or pleasure animal. Studies focus on the responsibilities and techniques necessary for every day care, managing reproduction, and reviewing the diseases, wounds, and unsoundness common for the horse. Other facets covered include equitation, nutrition, and preventative medicine required for the horse. Studies are designed to promote decision making processes necessary for good horsemanship, satisfying ownership, and successful husbandry.

1. **INSTRUCTOR INFORMATION**
2. **COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The college assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

The College reserves the right to suspend a student for conduct that is detrimental to the

College’s educational endeavors as outlined in the College Catalog.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. Learn the rules of, and avoid instances of, intentional or unintentional l plagiarism.

Anyone seeking an accommodation under provisions of the Americans with Disabilities Act should notify Student Support Services. Additional information about academic integrity can be found at the following link: <http://academicintegrity.bartonccc.edu/>

1. **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This course is designed to create basic competencies in horse ownership. It is an integral part of certificate programs, a valuable elective for an agriculture degree, and applicable to any individual interested in proper horse care and use. The student will apply and refine concepts and information obtained in Principles of Animal Science to the specifics of horse ownership and management. Husbandry techniques obtained apply whether the horse is a pleasure/performance horse, a working horse as part of a ranch or feedlot operation, or part of a reproductive enterprise. The course assists students in developing critical thinking to effectively evaluate oral and written statements regarding horse ownership.

1. **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Accurately define the history and development of the horse and the present status and future of the horse industry.
2. Identify the position of the horse in the zoological scheme.
3. Describe how humans over time changed horse usage.
4. Recognize and describe the use and decline of the horse in agriculture in the U.S.
5. Describe and explain the rise, fall and projected changes in the U.S. horse population.
6. List four general areas of current equine research.
7. Summarize current projections regarding the future of the U.S. horse industry.
8. Identify and discuss the functional anatomy, biomechanics of movement, and causes of unsoundness in the horse.
9. Recognize and define the concepts of breed, types, and classifications of the horse.
10. Explain the importance of cells, tissues, organs and their function in the horse.
11. Name the components and describe the functions of the nine anatomical systems of the horse.
12. Describe the role and importance of conformation in the movement and performance of the horse.
13. Describe and compare the walk, trot, gallop, rack, and cantor.
14. List the factors in a gait determining a horse’s speed.
15. Define a blemish and an unsoundness and distinguish between them.
16. List and describe common unsoundnesses and blemishes on the body or head.
17. List and describe unsoundnesses and blemishes of the front and hind leg.
18. Identify the important aspects of reproduction, breeding, and nutrition in the horse.
19. List, describe and discuss the major parts of the male and female reproductive systems.
20. Explain gestation and parturition in the horse, recognizing fertility problems that occur.
21. Describe the management of the mare and stallion before, during, and after the breeding season.
22. List and explain the function of the six categories of nutrients for the horse.
23. List and describe how to properly feed sources of hay and concentrates for the horse.
24. Describe typical rations for horses at different life stages and activity levels.
25. Recognize and describe the importance of common husbandry and management techniques of the horse.
26. List and describe the changes horses’ teeth exhibit during their lifetime.
27. Describe the determination the height of a horse in hands and inches.
28. List and describe common diseases caused by viruses, bacteria, and parasites.
29. Describe the relationship of body condition to health.
30. List and describe management practices involving the neonatal and weanling foal.
31. Name and describe wound types and their proper management.
32. Explain the importance of records to the management of horses.
33. List common problems of the foot, describing how corrective shoeing may help.
34. Describe and explain an environment for horses addressing horse welfare, safety, labor, and cost.
35. List and illustrate components of horse behavior, horse training, and equitation.
    1. Name and describe behavioral categories of the horse.
    2. Explain proper horse training techniques and the role of reinforcement in training.
    3. Describe the horse’s senses of vision, touch, smell, and hearing.
    4. Define equitation—the art of riding and managing horses.
    5. Identify and explain the proper use, selection, and fitting of saddles, halters, and bridles.
    6. List the rules of safe riding, loading, and hauling a horse.
36. **INSTRUCTOR’S EXPECTATIONS OF STUDENTS IN CLASS**
37. **TEXTBOOKS AND OTHER REQUIRED MATERIALS**
38. **REFERENCES**
39. **METHODS OF INSTRUCTION AND EVALUATION**
40. **ATTENDANCE REQUIREMENTS**
41. **COURSE OUTLINE**