



University of Missouri **Equine Program – Course Offerings**

Horse Farm Volunteers

- Fall, Spring, and Summer
- Working with young stock, reproduction, and general farm management
- NO EXPERIENCE NECESSARY, Great place to learn about horse care and handling!
- Responsible for feeding and caring for breeding herd, daily health assessment
- Participate in monthly demonstrations and hands-on learning of various equine topics

AS 2135 (Fall): Equine Selection and Evaluation – 2 units

- Prerequisites: AS 1065
- Topics cover anatomy, conformation, movement, overview of horse competitions, and selling / buying a horse
- Course Objectives:
 - Demonstrate an understanding of selection terminology.
 - Identify quality horses & evaluate conformation as it relates to locomotion and soundness.
 - Select a suitable horse for personal use.
 - Recognize desirable characteristics for various disciplines and breeds.
 - Present rationale for judging and ranking a group of horses.
 - List means and techniques of marketing.

AS 2095 (Fall): Equine Behavior and Training – 3 units

- Prerequisites: AS 1065, Instructor Consent
- Topics cover behavior as it relates to training, each student assigned a project animal to train for the semester
- This class consists of two lectures per week, and two labs per week to train your assigned project horse
- Course Objectives:
 - Describe and explain basic animal behavior modification through use of positive and negative reinforcement and shaping.
 - Develop an individual training program to enhance a horse's value, athletic potential and inherent abilities in a natural progressive way.
 - Apply classical, practical and proven equine training techniques to a project animal for achievement of safe non-traumatic learning for the horse and trainer.
 - Critically evaluate training methods used and advocated by others in a thoughtful constructive manner.
 - Develop and maintain a professional animal training journal.
 - Present a horse to be judged or evaluated by a potential buyer.

AS 2085 (Fall): Special Problems: Equine Barn Mgmt & Marketing – 2 units

- Prerequisites: Instructor Consent
- Topics cover hands on barn management and care, handling young stock (weanlings), and marketing sales horses
- This class spends all class periods at the farm
- Course Objectives:
 - Apply knowledge about animal handling in a real world management situation.
 - Develop an understanding of equine nutrition and health care as it relates to routine management.
 - Demonstrate ability to safely handle a variety of horses.
 - Identify means and techniques of marketing horses.
 - Develop familiarity with bloodlines, training, and other attributes and how they relate to successful marketing.

AS 4977 (Spring): Horse Production – 3 units

- Prerequisites: AS 1065, 2175, and 3212
- Topics cover upper level anatomy, nutrition, reproduction, physiology, behavior, and diseases
- Course Objectives:
 - Evaluate and critique selection criteria for breeding horses.
 - Describe the anatomy of the equine hooves and legs as they relate to locomotion, soundness, and unsoundness.
 - Describe and evaluate common domestic equine reproductive methods.
 - Develop effective feeding and health programs for various classes of horses.
 - Demonstrate an understanding of equine management practices.

AS 4983 (Spring): Equine Breeding Management – 3 units

- Prerequisites: AS 1065, 2175, 4314 and instructor consent
- Topics cover hands on AI, foaling, teasing, semen evaluation, and working with foals
- This class spends the last 8 weeks of the semester at the farm actively managing our breeding herd
- Course Objectives:
 - Identify major anatomical features of the mare and stallion reproductive tract and relate the structure to its function.
 - Describe the major reproductive and endocrine pathways in the mare and stallion.
 - Understand the estrous cycle and its components, and how this relates to estrous manipulation.
 - Incorporate an understanding of reproductive physiology and behavior to develop management techniques for a successful breeding operation.
 - Demonstrate ability to properly tease mares, collect a stallion, process semen, and artificially inseminate mares.
 - Identify and monitor signs of impending parturition in the mare and successful care for mare and foal during the post-partum period.
 - Demonstrate ability to safely handle a variety of horses.

For More Information Visit: *Marci Jennings, Equine Instructor, Division of Animal Science*
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