

# EQUUS - Equine Sciences

**EQUUS 206. Equine Ethology: Understanding Horse Behavior. 3 Credits.** (3 Lec) F

PREREQUISITE: ANSC 100. Equine Ethology is a course designed to teach students the science of horse behavior from an evolutionary, biologic, physiologic and genetic perspective. This course provides students a foundation for more sensitive and informed care, management and handling.

**EQUUS 233. Horse Science Management Lab. 2 Credits.** (2 Lab) F

PREREQUISITE: ANSC 100. Laboratory designed to familiarize students with approved management practices for horse enterprises.

**EQUUS 290R. Undergraduate Research. 1-6 Credits.** (1-6 Ind; max unlimited) F,S

PREREQUISITE: Consent of instructor and approval of department head. Directed undergraduate research which may culminate in a written work or other creative project. Course will address responsible conduct of research.

**EQUUS 291. Special Topics. 1-4 Credits.** (1-4 Lec; 12 cr max) On Demand

PREREQUISITE: None required but some may be determined necessary by each offering department. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

**EQUUS 292. Independent Study. 1-3 Credits.** (1-3 Ind; 6 cr max) On Demand

PREREQUISITE: Consent of instructor and approval of department head. Directed research and study on an individual basis.

**EQUUS 327. Equine Lameness. 3 Credits.** (3 Lec) F

PREREQUISITE: ANSC 100, ANSC 265/266, and EQUUS 347. This course is structured to familiarize students with the many types of lameness in the horse. Students will be instructed on the correlation between anatomy, conformation, locomotion and lameness. Selected diseases of the bones, joints, and soft tissue will be discussed. Significant time will also be spent on lameness diagnosis, treatment, prognosis, as well as shoeing principles for sound and lame horses.

**EQUUS 346. Equine Reproductive Management. 4 Credits.** (3 Lec, 1 Lab) S

PREREQUISITE: ANSC 100, ANSC 265/266, ANSC 321, ANSC 322, and EQUUS 233. This course is designed to familiarize students with the reproduction in horses. Students will be instructed on the appropriate methods for management of the stallion, mare and foal. The curriculum will also include equipment and facilities use, as well as management of a breeding facility.

**EQUUS 347. Equine Form to Function. 3 Credits.** (2 Lec, 1 Lab) S

PREREQUISITE: ANSC 100, ANSC 265, ANSC 266, EQUUS 206, and Junior standing. Development of methods for analyzing a horse's conformation along with a good understanding of anatomy and its relationship to performance.

**EQUUS 423. Equine Nutrition. 2 Credits.** (2 Lec) S alternate years, to be offered odd years.

PREREQUISITE: ANSC 320 and Junior standing or consent of instructor. Critical evaluation of current issues and related scientific literature in equine nutrition; application to designing effective feeding programs.

**EQUUS 424. Equine Exercise Physiology. 3 Credits.** (3 Lec) S

PREREQUISITE: ANSC 265/266, ANSC 320, EQUUS 347 This course seeks to provide a detailed understanding of equine exercise physiology. Topics covered: Physiological interactions of various systems during exercise, conditioning, training, and athletic performance; conditioning and training regimes and methods of assessing athletic fitness in horses.

**EQUUS 430. Horse Management. 4 Credits.** (3 Lec, 1 Lab) S

PREREQUISITE: ANSC 265/266, ANSC 320, ANSC 321, ANSC 322, or consent of instructor. Horse management and problems with emphasis on behavior, nutrition, reproduction, and management programs.

**EQUUS 490R. Undergrad Research. 1-6 Credits.** (1-6 Ind; 12 cr max) F,S,Su

PREREQUISITE: Consent of instructor and approval of department head. Directed undergraduate research which may culminate in a research paper, journal article, or undergraduate thesis.

**EQUUS 491. Special Topics. 1-4 Credits.** (1-4 Lec; 12 cr max) On Demand

PREREQUISITE: Course prerequisites as determined for each offering. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

**EQUUS 492. Independent Study. 1-3 Credits.** (1-3 Ind; 6 cr max) On Demand

PREREQUISITE: Junior standing, consent of instructor and approval of department head. Directed research and study on an individual basis.

**EQUUS 494. Seminar. 1 Credit.** (1 Sem; 4 cr max) On Demand

PREREQUISITE: Junior standing and as determined for each offering. Topics offered at the upper division level which are not covered in regular courses. Students participate in preparing and presenting discussion material.

### **Font Notice**

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.