EQUS - Equine Sciences

EQUS 206 Equine Ethology: Understanding Horse Behavior: 3 Credits (3 Lec)
PREREQUISITE: ANSC 100. (F) 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

EQUS 233 Horse Science and Mgt Lab: 2 Credits (2 Lab)
PREREQUISITE: ANSC 100. (F) Laboratory designed to familiarize
students with approved management practices for horse enterprises

EQUS 238 Horse Sales Preparation and Marketing: 2 Credits (1 Lec, 1
Other)
PREREQUISITES: ANSC 100, WRIT 101W and COMX 111US or
AGED 140US
Course will explore the basic sales and marketing components necessary
to successfully execute a horse auction and competition. Emphasis will be
placed on the development of sale catalog, promotional material through
print and web media, event setup, and management of sale and student
competition.

EQUS 290R Undergraduate Research: 1-6 Credits (1-6 Other)
PREREQUISITE: Consent of instructor and approval of department
head. (F, Sp, Su) Directed undergraduate research which may culminate
in a written work or other creative project. Course will address responsible
conduct of research
Repeatable up to 99 credits.

EQUS 291 Special Topics: 1-4 Credits (1-4 Lec)
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
Repeatable up to 12 credits.

EQUS 292 Independent Study: 1-3 Credits (1-3 Other)
PREREQUISITE: Consent of instructor and approval of department head.
(F, Sp, Su) Directed research and study on an individual basis
Repeatable up to 6 credits.

EQUS 327 Equine Lameness: 3 Credits (3 Lec)
PREREQUISITE: ANSC 100, ANSC 265/266, and EQUS 347. (F) 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

EQUS 346 Equine Reproductive Management: 4 Credits (3 Lec, 1 Lab)
PREREQUISITE: ANSC 100, ANSC 265/266, ANSC 321, and
ANSC 322. (Sp) 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

EQUS 347 Equine Form to Function: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: ANSC 265, ANSC 266, and Junior standing. (Sp)
Development of methods for analyzing a horse’s conformation along with a
good understanding of anatomy and its relationship to performance

EQUS 348 Horse Science and Mgt Lab: 2 Credits (2 Lab)
PREREQUISITE: ANSC 100. (F) Laboratory designed to familiarize
students with approved management practices for horse enterprises

EQUS 349 Special Topics: 1-4 Credits (1-4 Lec)
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
Repeatable up to 12 credits.

EQUS 423 Equine Nutrition: 3 Credits (3 Lec)
PREREQUISITE: ANSC 320 and Junior standing or consent of instructor.
(F) PREREQUISITE: ANSC 320 and Junior standing. Provide students
an understanding of digestive anatomy and physiology, nutrient digestion
and metabolism, nutrient requirements, and feeding management. Clinical
nutritional strategies will be applied to common health problems including
metabolic, genetic, and infectious diseases

EQUS 424 Equine Exercise Physiology: 3 Credits (3 Lec)
PREREQUISITE: ANSC 265/266, ANSC 320, EQUS 347 This course
seeks to provide a detailed understanding of equine exercise physiology. (Sp)
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

EQUS 430 Horse Management: 4 Credits (3 Lec, 1 Lab)
PREREQUISITE: ANSC 265/266, ANSC 320, ANSC 321, and
ANSC 322. (Sp) Horse management and problems with emphasis on
behavior, nutrition, reproduction, and management programs

EQUS 490R Undergrad Research: 1-6 Credits (1-6 Other)
PREREQUISITE: Consent of instructor and approval of department head.
(F, Sp, Su) Directed undergraduate research which may culminate in a
research paper, journal article, or undergraduate thesis
Repeatable up to 12 credits.

EQUS 491 Special Topics: 1-4 Credits (1-4 Lec)
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
Repeatable up to 12 credits.

EQUS 492 Independent Study: 1-3 Credits (1-3 Other)
PREREQUISITE: Junior standing, consent of instructor and approval of
department head. (F, Sp, Su) Directed research and study on an individual
basis
Repeatable up to 6 credits.

EQUS 494 Seminar: 1 Credits (1 Other)
PREREQUISITE: Junior standing and as determined for each offering.
Offered as needed based on student demand. Topics offered at the upper
division level which are not covered in regular courses. Students participate
in preparing and presenting discussion material
Repeatable up to 4 credits.

EQUS 498 Equine Internship: 1-3 Credits (1-3 Other)
PREREQUISITE: ANSC 202, EQUS 206 and junior standing or above
and consent of Instructor. (F, Sp, Su) An individualized assignment arranged
with an agency, business, or other organization to provide guided experience
in the equine field specifically. Offered F, S, Su
Repeatable up to 6 credits.