



Equine Science

AGEQ 1411

Course Syllabus

Chad Henry-Instructor
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Fall, 2017

Course Description:

An introductory study of the equine industry. Topics of discussion will include breeds and breeding, selection, management practices, and different training methods used in the equine industry.

Textbook:

Horses and Horsemanship, 7th Edition, Ensiminger, M.E. Interstate Publishers, Inc.

Course Goals:

The students will be able to identify breeds, body parts, and basic conformation of the equine. They will be able to plan and implement reproductive needs, management practices, and training methods used in the equine industry.

General Course Requirements:

Class attendance is required. If you have more than three unexcused absences, you should consult with me about your grade. Anyone who wishes to withdraw from class must take the responsibility to formally drop with the Registrar; otherwise a failing grade will be given.

Class Hours

Lecture TR 8:00-9:20 PM Lab TR 9:30-10:30

Office Hours

MWTR 7:30-8:00; 12:30-1:30; TR 10:30-11:00; T 3:30-4:30; R 1:00-3:00

Appointments with me may be scheduled at other times. Call for an appointment at 903-434-8177, Office AGC 110. E-mail address: chenry@ntcc.edu

Grading:

Grades will be computed as follows:

(3) Exams:	60%
Class Participation:	10%
Assignments:	10%
Lab:	20%

The grading scale below will be used to determine your final grade.

Points	grade
90-100	A
80- 89	B
70- 79	C
60- 69	D
BELOW 59%	F

Exams:

We will have 3 exams, each exam will make-up 1/3 of your exam grade (60%). The exams will be: true and false, multiple choice, listing, and short answer.

Assignments:

Various assignments and quizzes will be assigned as group and/or individual projects throughout the semester

Class Participation:

Class participation is based on attendance, classroom discussion, quizzes and participation.

Lab:

Your lab grade will be based on quizzes, participation, and attendance. Lab work may require suitable clothing for outdoor farm settings.

ADA Statement

It is the policy of Northeast Texas Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the Northeast Texas Community College Catalog or Student Handbook.

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance,

most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Academic Dishonesty:

Cheating is against the Northeast Texas Community College policy. Cheating includes any attempt to defraud, deceive, or mislead the professor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another.

Violation of the cheating policy may result in a lowered grade of "F" in the course. A grade assigned to a student because of an alleged cheating policy violation may be appealed by the student through the appeals process of the College. See the Student Handbook for details. I recommend that you become familiar with your handbook.

Course Objectives:

The Student should be able to:

- identify different horse breeds in the United States
- identify the basic colors, head markings, and leg markings
- understand the relationship of form to function in the anatomy and physiology of the horse
- identify the characteristics used in selecting the best horse for its intended purpose
- identify the different parts of the horse
- recognize and evaluate the common defects that occur in horses
- recognize different vices and which vices are dangerous to the horse, handler, or both
- understand the importance of horse nutrition
- identify different sources of nutrients for the horse
- recognize the different problems associated with feeding
- identify the organs and structures of the mare's reproductive tract
- describe how the functional anatomy and hormonal regulation are integrated in the reproductive processes
- know why there are variations in the estrous cycle length
- define seasonally polyestrous
- identify the organs and structure of the stallion's reproductive system
- identify the factors affecting semen production
- describe the importance of artificial insemination in the equine industry
- understand horse-breeding problems and procedures
- identify signs of foaling and foal care
- understand the business aspects of horse breeding
- describe the genetic effects on color and lethal traits
- identify common diseases found in horses
- organize a vaccination and parasite control program
- avoid conditions or situations that make the horse a high risk for disease or injury
- understand the importance of environmental influences in training
- understand basic concepts in training
- understand the different affects of bits used in training
- understand the anatomy, physiology, and care of the horse's feet and legs

- identify the importance of building and fences designs in the well being of a horse
- identify the skills required to manage a horse farm successfully

Course Outline:

Week 1	Breeds in the United States
Week 2	Anatomy and Physiology
Week 3	Selection
Week 4	Digestive Physiology
Week 5	Feeds and Feeding
Week 6	Reproduction in the mare
Week 7	Reproduction in the stallion
Week 8	Breeding problems and procedures
Week 9	Color inheritance and genetic lethals
Week 10	Diseases of the horse
Week 11	Parasites of the horse
Week 12	Behavioral principles of training and management
Week 13	Care of the feet and legs
Week 14	Fences, buildings, and equipment
Week 15	Managing a horse farm
Week 16	Bits and Biting