



Livestock Evaluation

AGRI 2321

Course Syllabus

Chad Henry-Instructor
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Fall 2019

COURSE DESCRIPTION

Selection, evaluation and classification of livestock and livestock products. Three hours lecture and two hours lab each week.

COURSE OUTCOMES

The student will identify economically important traits; prioritize and utilize criteria as it relates to evaluation and selection; and employ appropriate terminology used in discussing evaluation and selection processes. Three hours credit.

LEARNER INFORMATION

The study and the mastery of livestock body types and comparisons are the keys to successful involvement in most aspects of animal agriculture (from breeding selection to profitable marketing). Aside from the obvious study of types present in lecture format and from visual observations, great emphasis will be placed on written and oral reasons for the students to justify their concepts.

TEXTBOOK

Livestock Judging, Selection, and Evaluation, 5th Edition, Roger Hunsley, Interstate Printers & Publishers, Inc., 1992.

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

TR	11:00-12:20	Lab	T	1:30 – 3:30
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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 located in 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, matching, 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 participation, attendance, and quizzes. Lab work may require suitable clothing for outdoor farm setting.

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.

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.

Course Objectives

The students should know:

- Why it is important to form a mental image of the ideal type of livestock
- Three factors that influence dressing percentage in livestock
- How to define Expected Progeny Difference
- Where the best indication of bone size is located
- List 5 quality grades of beef cattle
- The importance of Body Condition Scoring livestock.
- The importance of evaluating live beef cattle.
- Characteristics used in selecting and evaluating live beef cattle.
- How to select young calves.
- The characteristics of common beef breeds.
- Fundamental bases for selection of beef cattle.
- Beef carcass evaluation techniques.
- Beef judging terminology.
- The importance of evaluating EPD’s
- First steps in evaluating live sheep.
- Characteristics used in selecting live sheep.
- The characteristics of common sheep breeds.
- Internal structure of sheep.
- Wholesale cuts of the lamb carcass.
- The importance of evaluating lamb carcasses.
- Sheep judging terminology.
- How to select and evaluate live hogs.
- The characteristics of common breeds of swine.
- Skeleton of swine.
- Whole cuts of the pork carcass.
- How to evaluating pork carcasses.
- Swine judging terminology.
- The importance of evaluating dairy types.
- How to select and evaluate livestock used for dairy.
- The characteristics of common dairy breeds.
- Dairy cattle judging terminology.
- Identify the different parts of the horse.
- Understand the horse skeleton as a way of function.
- Understand the differences between blemishes and unsoundness.
- Identify common defects in ways of going of a horse.
- Identify ways to determine the age of the horse.

- The common names of defects in the alignment of feet and legs of the horse.
- The characteristics of common breeds of horses.
- Horse judging terminology.

Course Outline:

Week 1	Introduction to Livestock Evaluation
Week 2	Examining live beef cattle
Week 3	Bull Selection
Week 4	Heifer Selection
Week 5	Evaluating beef carcasses
Week 6	Evaluating beef cattle EPD's
Week 7	Evaluating wool breeds of sheep
Week 8	Evaluating sheep carcasses
Week 9	Judging dairy cattle
Week 10	Evaluating dairy cattle EPD's
Week 11	Evaluating breeding swine
Week 12	Evaluating immature swine
Week 13	Evaluating pork carcasses
Week 14	Evaluating conformation in horses
Week 15	Evaluating performance in horses
Week 16	Judging horses