



# Intro Animal Science AGRI 1419 – Dual Credit (Advanced Animal Science)

Course Syllabus: Fall 20’- Spring 21’

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

**Instructor:** Meagan Raine  
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Office	Monday	Tuesday	Wednesday	Thursday	Friday	
Hours	7:30am - 4pm	7:30am – 4pm	7:30am – 4pm	7:30am – 4pm	7:30am – 4pm	

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

**Course Description:** Three hours of lecture and three hours of lab each week. Scientific animal agriculture. Importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of beef cattle, swine, sheep, goats and horses. (Also listed as: AGRI 1315 + AGRI 1115)

**Prerequisite(s):** None

**Student Learning Outcomes:** Upon successful completion of this course, students will:

1. Explain the role of animal agriculture in providing benefits for mankind.
2. Identify common livestock breeds and classes.
3. Define terminology specific to animal science disciplines.
4. Demonstrate understanding of fundamental animal science principles including selection, reproduction, nutrition, and health.
5. Apply animal science principles by solving common problems.
6. Identify animal issues of interest to society, and related responsibilities.
7. Apply scientific reasoning to investigate questions and utilize animal science tools to collect and analyze data and demonstrate methods.
8. Use critical thinking and scientific problem-solving to make informed decisions.
9. Communicate effectively the results of scientific investigations.

**Evaluation/Grading Policy:** Final course grades will be assigned as follows:  
90-100 = A 80-89 = B 70-79 = C 60-69 = D 59 or Below = F

Grades will be calculated as follows:

Tests = 75%  
Daily grades = 25%

This course offers no re-testing opportunities as multiple test/project/research paper grades will be taken each grading period. Late work may be turned in, but will receive a 10 point per day late deduction.

**Required Instructional Materials:** None

**Optional Instructional Materials:** None

**Minimum Technology Requirements:** None

**Required Computer Literacy Skills:** Basic computer skills.

**Course Structure and Overview:**

\*All hours are subject to teacher approval and must be in complete sentences for credit.

**Communications:** Email is the best way to reach me as I check it daily. A reply will be sent within 12 hours depending upon the time your message was received. If you prefer to reach me by text message you may message me through the app Remind. You can join the group by texting @g8939d7 to 81010. You may also call me on the number listed in my contact info found at the top of the syllabus.

**Institutional/Course Policy:** Attendance is expected and required per the Chapel Hill ISD District Policy. Tardiness on days labs are held off campus will be counted as an absence, as you will be unable to participate in lab activities that day. There are no student restrooms in this building, so please plan accordingly. As stated above, this course offers no re-testing opportunities as multiple test/project/research paper grades will be taken each grading period. Late work may be turned in, but will receive a 10 point per day late deduction.

**Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:**

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site."

**NTCC Academic Honesty/Ethics Statement:**

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

**ADA Statement:**

It is the policy of NTCC 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 request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

**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.

**Tentative Course Timeline (\*note\* instructor reserves the right to make adjustments to this timeline at any point in the term):**

## **Course Outline:**

### **Module 1**

- 8/27-9/14  
Livestock Industry  
Advanced Animal Genetics  
Livestock Breeding Systems

### **Module 2**

- 9/17-10/5  
Basic Animal Reproduction  
Livestock Reproduction

### **Module 3**

- 10/8-10/26  
Basic Reproduction of Animals

### **Module 4**

- 10/29-11/9  
Digestive Systems of Livestock  
Basic Livestock Nutrition

### **Module 5**

- 11/12-11/30 (does not include week of Thanksgiving)  
Advanced Livestock Nutrition

### **Module 6**

- 12/3-12/18  
Finals Weeks

### **Module 7**

- 1/7-1/25  
Common Animal Diseases

### **Module 8**

- 1/28-2/8  
Dairy Management Practices  
Video Field Trip: Dairy Farm  
Video Field Trip: Dairy Industry

**Module 9**

- 2/11-2/15  
Swine Management Practices

**Module 10**

- 2/18-3/1  
Beef Cattle Management  
Breeding Heifer Evaluation  
Judging Bulls

**Module 11**

- 3/4-3/22 (does not include week of spring break)  
Beef Quality Assurance Certification

**Module 12**

- 3/25-4/12  
Goat Management Practices  
Sheep Management Practices  
Sheep Management Practices II

**Module 13**

- 4/15-4/26  
The Equine Industry  
Careers in the Equine Industry

**Module 14**

- 4/29-5/17  
Livestock Breed Identification: Poultry  
Video Field Trip: Egg Production  
Finals Week

**STUDENT LEARNING OBJECTIVES:**

The SLO's are the specific course objectives that must be taught, measured through evaluations and reported each year for accreditation purposes.

Course ID	SLO	Skill/Knowledge	Evaluation	Report Rate
<b>AGRI1419_1</b>	Species names and common terminology	Students will be know the species name and common terminology used to describe cattle, horses, sheep, goats, pigs, and chickens.	Measured by standardized questions on the first exam. All students will be assessed.	70% of the students should be able to answer at least 75% of the standardized questions correctly.
<b>AGRI1419_2</b>	What influences phenotype	Students will know what influences phenotype.	Measured by standardized questions on the first exam. All students will be assessed.	70% of the students should be able to answer the standardized questions correctly.
<b>AGRI1419_3</b>	Identify breeds by pictures	Students will be able to identify by picture the common beef, dairy, sheep, goat, and swine breeds.	Measured by standardized questions on the second and final exam. All students will be assessed.	70% of the students should be able to answer at least 75% of the standardized questions correctly.
<b>AGRI1419_4</b>	Vaccination programs for livestock	Students will be able to understand the importance of vaccination programs in livestock and how to administer vaccines.	Students will be assessed administering vaccines to livestock during lab.	100% of the students should be able to administer vaccines properly.
<b>AGRI1419_5</b>	Hybrid vigor	Students will understand the importance of hybrid vigor in the livestock industry.	Measured by standardized questions on the final exam. All students will be assessed.	70% of the students should be able to answer the standardized questions correctly.