**COURSE NAME & NUMBER:** Animal Science II

**INSTRUCTOR:** Mrs. Julia Coltrain

**CONTACT INFORMATION:** Email: jcoltrain@neregionalschool.org

School Phone: 252-792-0241

**COURSE DESCRIPTION:**

This course focuses on the basic scientific principles and processes that are involved in nutrition, physiology, genetics, growth, and development related to the equine, beef, swine, dairy, aquatic, and poultry industries. Topics include leadership, animal diseases, animal physiology, animal nutrition, animal science issues, career opportunities, and animal evaluation. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, mentorship, school-based enterprise, service learning, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

**COURSE GOALS/PERFORMANCE OBJECTIVES:**

1. Understand leadership qualities for employment
2. Understand Supervised Agricultural Experience
3. Understand anatomy and physiology of agriculture animals
4. Understand reproductive and digestive physiology
5. Understand management of agricultural animals
6. Apply rations for livestock animals
7. Evaluate agriculture animals
8. Understand the harvesting process for livestock

**GRADING SYSTEM/REQUIREMENTS/STUDENT EVALUATION:**

Tests/Projects/ SAE: 40%

Quizzes/Assignments: 30%

Classwork/Participation: 20%

Homework 10%

**FORMAL TEST ADMINISTRATION DATES:**

\*All dates subject to change at instructor’s discretion

Units 1 and 2 January 22nd

Unit 3 February 7th

Unit 4 February 20th

Unit 5 March 20th

Unit 6 April 3rd

Unit 7 May 8th

Unit 8 May 21st

**COURSE OUTLINE:**

\*All dates subject to change at instructor’s discretion

 **Date: Topic/Essential Standard:**

 January 7th- January21st Units 1 and 2

 January 23rd- February 6th Unit 3

 February 10th- February 19th Unit 4

 February 21st- March 19th Unit 5

 March 23rd- April 2nd Unit 6

 April 6th- May 6th Unit 7

 May 11th- May 20th Unit 8

 May 26th- June 1st Exam Review Days

**REFERENCE/TEXTS/OUTSIDE READING REQUIREMENTS:**

Copies of any referenced texts, articles, or portions thereof will be provided to students either as hardcopy or via the course Canvas page.

**VIDEO/FILMS/INSTRUCTIONAL FACILITATORS/GUEST SPEAKERS/TECHNOLOGY:**

Video clips may be used both formally and informally throughout the course. Scholars will be given access to the course Canvas page for the semester- they are expected to regularly check the page for announcements and updates.

**CLASSROOM SUPPLY LIST:**

Scholars are expected to bring their NERSBA issued computer to class DAILY. Scholars are also expected to come to class equipped with paper and writing utensils (pen/pencil). Scholars are also expected to bring their 2” binder to class daily. Scholars are encouraged to have some form of daily planner, either electronic or paper.

**FIELD TRIPS/EXTRACURRICULAR ACTIVITIES:**

Information regarding any trips for activities with the FFA will be forwarded to scholars as they arise.

**CLASSROOM RULES/POLICIES/PROCEDURES:**

* Scholars are expected to adhere to all policies and procedures outlined in the Student Handbook at all times.
* Scholars are expected to maintain an atmosphere of respect at all times for classmates, faculty and staff, and themselves.
* Never touch tools or other classroom items without permission from the instructor
* Scholars are to refrain from using foul language if the scholar does they are expected to do 25 push-ups.
* Computers and notes are to be ready before the start of each class
* Class is not dismissed until the instructor says
* Additional class-specific rules may be found written on the board

**ADDITIONAL INFORMATION:** When in doubt, inquire. Please do not hesitate to contact Mrs. Coltrain with any questions or concerns.

**Student Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Student Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent Contact**: (work) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Cell) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent Name:**­­­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Parent Signature:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_