

Syllabus

Advanced Animal Science

2018-2019

Lecture/Lab: Monday - Friday, 11:59 a.m. - 12:45 p.m.

Instructor: Tracy Dicken

Email: tdicken@chisddevils.com

903-572-2883 x542 (classroom)

903-456-2374 (cell)

Room: 603

Conference: 2:09 p.m. - 2:55 p.m.

Course Description:

- An overview of animal science used in the livestock industry, terminology, classification, production models, current issues related to animal industries, and careers and opportunities in the field of animal agriculture.

Course Objectives:

- Upon completion of the course the student will be able to recognize the importance and scope of the animal/livestock industry.
- Students will be able to identify the interrelatedness of human, scientific, and technological dimensions of livestock production.
- The student will also gain an understanding of production practices for various species of livestock and best practices for animal care and management.

Materials Requirements:

- Students will be responsible for keeping notes over each class lecture and activity. Students may also be required to obtain material from internet sources or texts made available by the instructor.

Expectations of Student:

- Students are expected to exhibit appropriate behavior at all times. Respect toward others will be demanded.
- Students will be required to participate in class discussion and projects.
- Students must dress appropriately.
- Students will not be permitted to use cell phones (for talking, texting or any other purpose) during class. Cell phones must be silenced or turned off. The instructor has the right to remove cell phones belonging to students not abiding by this policy. Phone may be picked up at the conclusion of the school day in the High School Office.
- If absences occur, student is responsible for obtaining missed information, and for rescheduling missed Quizzes or Tests.

- Students are to abide by all rules and regulations outlined by the Chapel Hill ISD Student Code of Conduct including but not limited to Academic Honesty. Cheating will not be tolerated.

**** Students who have special needs may contact the instructor confidentially for assistance. The content of this course will be made equally accessible to all students enrolled. ****

Attendance Requirements:

- Class attendance is expected.
- For excused absences, a student will have the number of days missed to complete all assignments upon returning to class.

Instructional Procedures:

- Lecture
 - Presentation of course material in order to expound upon key concepts.
 - Inclusion of examples of practical applications, and hands-on experiences when applicable.
 - Usage of historical references, as well as presentation of current events applying to the course work.
 - Student participation in class discussion.
 - Guest lecturers when relevant.
- Laboratory
 - Exercises for reinforcement of course content.

Instructional Media:

- Classroom presentation computer applications
 - iCEV materials
 - Google applications
 - Usage of streaming video clips
 - Data organization through charts, graphs, diagrams and other visual aids.
- Instructor prepared lecture notes.

Quizzes, Unit Test and Final Exam Dates:

- Quizzes will be given weekly, excluding weeks during which a Unit Test is given.
- A minimum of two Unit Tests will be given throughout the course of each 9-week grading period.
- Final Exam will be given during the week of May 20th.

Grading Policy:

- The Combined Daily Assignments, Quizzes and Tests will all be weighted as follows in the determination of each 9-week average.
- Daily Assignments 25%, Quizzes 30% and Tests 45%
- Determination of letter grade is as follows:

90 and above A

80 – 89 B
70 – 79 C
60 – 69 D
59 and below F

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

12/3-12/14

- Mid-term Writing Assignment

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

I have read and understand the information outlined in this syllabus and agree to the requirements specified.

Student Signature _____

Parent Signature _____