Advanced Animal Science

Course Description and Rationale

This course is an advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology. Agriculture encompasses the food, fiber, conservation, and natural resource system, employing over 20% of the nation’s workforce. Scientific principles in animal nutrition, breeding, selection, marketing, and waste management are essential for students with an interest in animals or animal related careers.

Course Objectives
By completion of this course students should be able to:

➢ Formulate a ration for different classes of livestock
➢ Describe selection tools for genetic improvement for the different classes of livestock.
➢ Describe the reproductive cycle of common production livestock.
➢ Describe the diseases of the respiratory, gastrointestinal, and the reproductive systems in livestock.
➢ Compare and contrast the common marketing options of livestock.
➢ Describe how to implement a waste management program into the different types of livestock operations.

Grading Policy
Homework
Tests
Special Projects

Daily Grade

Grading Scale
95-100% A
90-94% A-
87-89% B+
83-86% B
80-82% B-
77-79% C+
73-76% C
70-72% C-
67-69% D+
63-66% D
60-62% D-
Below 60% F
**Academic Dishonesty:** Cheating of any sorts will not be tolerated. Offenders will receive a zero for that assignment and will be referred to the office for further disciplinary action according to the BTEC Handbook.

**Computers:**

Each member of the class will be assigned a computer with a number. It is your responsibility to report any problems with that computer. When the computers are used, no food or drink are allowed around them and you are to only use your assigned computer. At the end of class, all computers must be put into their proper slots, plugged in, and the power cord pushed in behind the computer so the computer is not sitting on it or hanging out the front. The mouse must have the cord wrapped around it and placed on the bottom shelf.

When using the computers, you are not allowed to play games. If you are caught playing games, your privileges will be revoked. If you inflict willful damage upon the computers, you will be sent to the office.

If you ever have any questions about an assignment, a grade, or anything else feel free to ask in class or before school, or during my first hour planning period.

**Textbook**


**Dual Credit:**

This class can be taken for Dual Credit through State Fair Community College. The class is transcripted at SFCC AGRI 108 Animal Science for 3 credit hours and enrollment will be done in January for those interested.

**Instructor Information**

Mr. Doug Henke, Instructor  
School Phone #: 660.882.5306 extension 7210  
e-mail address: dhenke@boonville.k12.mo.us  
Plan period is 7th Hour.