

Lassen Community College Course Outline

AGR 8 Introduction to Animal Production

3.0 Units

I. Catalog Description

This course is specifically designed for students planning to raise livestock for personal use with limited resources, with emphasis placed on its importance in agriculture and to the local and national economy; common breeds, specialty breeds, terminology, and cycles of production; and its importance and use of the basic sciences in the livestock industry. This course has been approved for hybrid delivery.

Recommended Preparation: Successful completion of ENGL105 or equivalent multiple measures placement.

Transfers to both UC/CSU

51 Hours Lecture

Scheduled: Fall (odd)

II. Coding Information

Repeatability: Not Repeatable, Take 1 Time

Grading Option: Graded or Pass/No Pass

Credit Type: Credit - Degree Applicable

TOP Code: 010200

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

1. Recognize at least five major breeds of beef, sheep, horse, dairy and swine along with giving one identifying characteristic of that breed.
2. Evaluate common management practices for farm animal health and reproduction.

B. Course Objectives

Upon completion of this course the student will be able to:

1. Evaluate common management practices of farm animal health, nutrition, genetics, and reproduction.
2. Identify a minimum of five common breeds of beef, sheep, swine, horses, and dairy, as well as some specialty livestock
3. Analyze the functions and advantages of different livestock enterprises in relationship to demographics.

IV. Course Content

A. Livestock Industry

1. General

- a. Terminology
- b. Functions of a livestock enterprise
- c. Advantage of livestock farming
- d. Species; marketing cycles

2. U. S.

- a. Major agricultural regions of U. S. and rank of each species

- b. Numbers of livestock in U. S. as compared with other countries in production of livestock and products
 - c. Meat consumption
 - 3. California
 - a. Major regions in California and types of livestock
 - b. Numbers of livestock in California
 - c. Consumption and reproduction of each type of livestock
 - d. Factors affecting amount of production possibilities of expansion or reduction and competitors from other sources
- B. Principles of Livestock
 - 1. Phases and types of production
 - 2. Management
 - 3. Establishing the enterprise
 - 4. Breeds and breeding - genetics and physiology
 - 5. Feeds and feeding - nutrition and chemistry
 - 6. Health - anatomy and physiology
 - 7. Marketing - economics
 - 8. Product - food technology
- C. Practices of Livestock Production - Applied Skills Phases, types, and cycles of production of each species
 - 1. Beef
 - 2. Sheep
 - 3. Swine
 - 4. Dairy
 - 5. Poultry
 - 6. Specialty animals

V. **Assignments**

A. **Appropriate Readings**

Weekly reading assignments from recommended text will be required.

B. **Writing assignments**

Writing assignments will include essays and reports on a weekly basis.

C. **Expected Outside Assignments**

Outside assignments will include weekly essays related to each learning unit.

D. **Specific Assignments that Demonstrate Critical Thinking**

A combination of lecture, discussion, written in-class and out-of-class assignments, to stimulate student knowledge and skills as well as student's ability to assess, plan, and implement corrective measures for common production problems associated with the raising of animals.

VI. **Methods of Evaluation**

Traditional Classroom Evaluation

A student's grade will be based upon: written homework, reading reports, essay exams, homework problems, quizzes, exams, worksheets, and performance exams.

Hybrid Evaluation

All quizzes and exams will be administered during the in-person class time. Students will be expected to complete online assignments and activities equivalent to in class assignments and activities for the online portion of the course. Electronic communication,

both synchronous and asynchronous (chat/forum) will be evaluated for participation and to maintain effective communication between instructor and students.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery Online Delivery

Traditional Classroom Delivery

Lecture, discussion, panel presentation discussion groups, audio-visual media, field trips, and other appropriate methods to be determined by the instructor.

Hybrid Delivery

A combination of traditional classroom and online instruction will be utilized. Every semester, a minimum of 17 hours of class will be taught face-to-face by the instructor and the remaining hours will be instructed online through the technology platform adopted by the District. Traditional classroom instruction will consist of lectures, visual aids, discussions and group activities. Online delivery consists of instructor-generated information, readings, news communications, web links and activities as well as facilitation of forum based discussions and communications.

VIII. Representative Texts and Supplies

Herren, Ray, "*The Science of Animal Agriculture*", 5th edition, 2018, Cengage Learning, ISBN: 978-1337390866

IX. Discipline/s Assignment

Agricultural Production

X. Course Status

Current Status: Active

Original Approval Date: 2/27/1990

Revised By: Brian Wolf

Curriculum/Academic Standards Committee Revision Date: 11/03/2020

Revised for IPR, no change: 03/15/2022