COURSE INFORMATION

COURSE TITLE & NUMBER: AS 3 - Sheep Production

UNITS & HOURS:
3 units; 2 lecture & 3 lab hours per week
Lecture: M & W at 10:00 a.m.; Lab: W at 2:00 p.m.

PREREQUISITES: None

CATALOG DESCRIPTION & GUIDANCE INFORMATION:
An overview of the sheep industry in California and the United States; breeds and classes of sheep will be studied with emphasis on systems of commercial and purebred production. The handling of the wool clip and wool marketing will be included. Field labs will be required. Setting up a program of breeding, housing, and equipment requirements; feed and care of ewes and lambs.

TEXTBOOK: *Sheep Production and Management*

ADDITIONAL REFERENCES:
California Sheep Production - Weir & Albaugh
Profitable Sheep - Collins
Woolgrower Magazine
The Shepherd Magazine
USDA and UC Extension Bulletins

ATTENDANCE:
- Attendance is required since most of the learning occurs in a lecture/laboratory situation.
- Students are responsible for obtaining notes/information missed due to an absence from the instructor.
- Please notify the instructor if you know in advance that you will be absent from class.
- College policy dictates that a instructor should drop a student with two consecutive weeks of unexcused absences.
- At the end of the 9th weeks of instruction, no withdrawals are permitted and the student must receive a letter grade for the class. **Friday, March 10, 2000.**

POLICY ON CHEATING & PLAGIARISM:
In keeping with the philosophy that students are entitled to the best education available, and in compliance with Board Policy 5410, each student is expected to exert an entirely honest effort toward attaining an education. Violations of this policy will result in disqualification for the course.

METHODS FOR MEASURING STUDENT ACHIEVEMENT & DETERMINING GRADES

- Writing Assignments
  Laboratory Reports, Reading Reports, Written Homework, Term Report (100 pts.)
- Computational Problem-solving
  Homework Problems, Field Work, Exams
- Skill Demonstrations
  Class Performance, Field & Lab Work (25 pts./lab)
- Examinations
  Multiple Choice, True/False, Matching, Essay
- Grades are determined through a numerical point system, approximately:
  A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = under 59%
  Final grade for the course will be based on lecture, lab, and final exam grade.
- Tutorial assistance is available at the Learning Skills Center located in the HUM building.

FINAL EXAM: <u>Monday, May 15, 10:30 a.m.</u>

COURSE OBJECTIVES: Students will be able to:

A. Differentiate between systems of sheep production in the county, state, and the nation.
B. Distinguish between sheep breeds, and recite their respective advantages and disadvantages.
C. Identify the necessary principles to establish a flock.
D. Identify and compare the management options of sheep with consideration given to the breeding, nutrition requirements, and wool production aspects of a sheep operation.
E. Compare market classes and grades of sheep.
F. Identify sheep diseases, recognize symptoms of disease, and prescribe treatment, and develop a program of disease prevention and parasite control.
G. Establish a work ethic, adopt a positive attitude, and develop the aptitude for a successful sheep enterprise.

TOPICAL OUTLINE:

A. History and development of sheep industry -- origin, zoological classification & growth of the sheep industry in the U.S.
B. Distribution and adaptation of the sheep industry
  1. Worldwide distribution, sheep production in the U.S. & California by areas.
  2. Favorable and unfavorable factors of sheep production.
C. Breed types, market classes, and grades of sheep
  1. Breeds identification, advantages and disadvantages.
  2. Market classes and grades of sheep.
D. Systems of sheep production
  1. Farm flock - commercial breeding, purebred breeding, lamb feeding
  2. Range, commercial.
  3. Feedlot operations.
  4. Cost of production.
E. Establishing a flock
  1. Factors to be considered, breed, geographic location, etc.
  2. Individual selection.
F. Reproduction in sheep
  1. Anatomy & physiology of the reproductive tract and reproductive cycle.
  2. Management in breeding.
  3. Pregnancy and lactation.
  4. Artificial insemination and estrus synchronization.

G.   Sheep nutrition
    1.   Nutritional requirements.
    2.   Commons feeds for sheep.
    3.   Feeding programs for breeding stock and market lamb production.

H.   Health, disease and parasite prevention
    1.   Normal physiological conditions and habits.
    2.   Causes of disease.
    3.   Diseases in sheep.
    4.   Prevention of infection.

I.   Wool
    1.   The growth pattern of wool.
    2.   Factors affecting the quality and quantity.
    3.   Pricing, marketing, processing, and uses.

J.   Sheep management
    1.   Flock problems.
    2.   Industry problems.
    3.   Current and future status of sheep industry.