

**ANSCI 28 Course Outline as of Fall 2004****CATALOG INFORMATION**

Dept and Nbr: ANSCI 28      Title: SHEEP SCIENCE  
 Full Title: Sheep Science  
 Last Reviewed: 3/9/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: AG 63

**Catalog Description:**

A survey of the sheep industry including management of commercial, purebred and small farm flocks; selecting, feeding, breeding and basic care of ewes and lambs plus marketing of lambs and wool.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: A survey of the sheep industry including management of commercial, purebred and small farm flocks; selecting, feeding, breeding and basic care of ewes and lambs plus marketing of lambs and wool. (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;UC. (CAN AG22)

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

**AS Degree:**      **Area**  
**CSU GE:**        **Transfer Area**

Effective:      Inactive:  
Effective:      Inactive:

**IGETC:**        **Transfer Area**

Effective:      Inactive:

**CSU Transfer:** Transferable      Effective:      Fall 1981      Inactive:      Fall 2019

**UC Transfer:** Transferable      Effective:      Fall 2001      Inactive:      Fall 2019

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The student will:

1. Identify a minimum of eight common breeds of sheep and discuss in a group setting.
2. Analyze sheep by production data and live appraisal.
3. List common diseases and parasites and their control.
4. Perform basic scientific management procedures such as docking, castration, and shearing.
5. Compare different feeding formulations as it pertains to sound management.
6. Describe and appraise the function of the reproduction system.
7. Calculate the cost of sheep handling facilities and equipment.
8. Identify cultural contributions and ethnic influences on the sheep industry.
9. Have reasonable accommodations made to perform all learning objectives regardless of physical and/or learning disabilities.
10. Describe career opportunities and requirements for successful employment.

### **Topics and Scope:**

1. Unit One: History and Development of the Sheep Industry
  - a. Local
  - b. State
  - c. Global
2. Unit Two: Breeding
  - a. Breeds of sheep
  - b. Genetic concepts
  - c. Genetic value
  - d. Selection

- e. Mating systems
- f. Inherited defects
- 3. Unit Three: Health
  - a. Diseases of lambs, ewes, and rams
  - b. Parasitic disease
  - c. Plant poisoning
  - d. Management calendar for disease prevention
- 4. Unit Four: Management
  - a. Starting a sheep operation
  - b. Financial and marketing considerations
  - c. Management of wool
  - d. Using pasture and range efficiently
  - e. Selection and culling sheep
  - f. Lamb feeding procedures
- 5. Unit Five: Nutrition
  - a. Nutrient requirements
  - b. Formulating rations
  - c. Creep feeding lambs
  - d. Feed additives
  - e. Computer feeding programs
- 6. Unit Six: Reproduction
  - a. Factors affecting reproduction in the ewe
  - b. Pregnancy testing
  - c. Factors affecting reproduction in the ram
  - d. Semen collection and artificial insemination
- 7. Unit Seven: Marketing
  - a. Supply, demand, and prices
  - b. Marketing channels
  - c. Producer marketing decisions
  - d. Industry issues

### Assignment:

Assignments will be taken from periodicals, handouts, and the text.

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Lab reports, Essay exams, Term papers

Writing  
20 - 30%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Field work, Lab reports, Quizzes, Exams

Problem solving  
20 - 40%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Field work, Performance exams

Skill Demonstrations  
20 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Completion

Exams  
30 - 60%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

SHEEP PRODUCTION AND MANAGEMENT, 2nd Edition, C.V. Ross Prentic Hall, New Jersey.

SID: SHEEP PRODUCTION HANDBOOK, American Sheep Industry Association: Production, Education, and Research Council, Paper Systems, Inc., Colorado.