ANSCI 28 Course Outline as of Fall 2019

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

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon completion of the course, students will be able to:
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. Describe career opportunities and requirements for successful employment.

Topics and Scope:

1. History and Development of the Sheep Industry
   a. Local
   b. State
   c. Global
   d. Cultural contributions and ethnic influences of the industry
2. Breeding
   a. Breeds of sheep
   b. Genetic concepts
   c. Genetic value
   d. Selection
   e. Mating systems

f. Inherited defects
3. Health
a. Diseases of lambs, ewes, and rams
b. Parasitic disease
c. Plant poisoning
d. Management calendar for disease prevention
4. 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. Nutrition
a. Nutrient requirements
b. Formulating rations
c. Creep feeding lambs
d. Feed additives
e. Computer feeding programs
6. 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. Marketing
a. Supply, demand, and prices
b. Marketing channels
c. Producer marketing decisions
d. Industry issues

Assignment:

Lecture Assignments:
Read periodicals, handouts, and textbooks (20 pages per week).
Term papers (6 to 8 pages)
Midterms (2)
Final Exam

Lab Assignments:
Lab Worksheets (16--one per week).
Sheep Shearing
Livestock Showing

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, term papers	Writing 20 - 30%

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

None	Problem solving 0 - 0%

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

Class performances, field work, performance exams	Skill Demonstrations 30 - 40%

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

Quizzes, tests, exams	Exams 30 - 40%

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

Attendance and participation	Other Category 0 - 10%

Representative Textbooks and Materials:
SHEEP PRODUCTION AND MANAGEMENT, 2nd Edition, C.V. Ross, Prentice Hall, New Jersey. 1989 (Classic)
SHEEP PRODUCTION HANDBOOK, American Sheep Industry Association Inc. ADS/Nightwing Publishing; 2002 edition. (Classic)