SUBJECT AREA AND COURSE NUMBER: ASCI 112

COURSE TITLE: SHEEP PRODUCTION & MANAGEM'T

Units: 3.5

TOP Code: 0102.00 - Animal Science

Cross-Listed Courses:

CATALOG COURSE 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/wool.

REQUISITES:

NONE

FIELD TRIP REQUIREMENTS: Not Required

LECTURE HOURS PER WEEK: 3

TOTAL LECTURE HOURS PER SEMESTER: 52.5

LAB HOURS PER WEEK: 1

TOTAL LAB HOURS PER SEMESTER: 17.5

ACTIVITY HOURS PER WEEK:

TOTAL ACTIVITY HOURS PER SEMESTER:

TOTAL HOURS PER WEEK: 4

TOTAL CONTACT HOURS PER SEMESTER: 70

GRADING: S - Standard Grading A-F

REPEATABLE: A - Not designed as repeatable

TRANSFERABLE:
*Approved* CSU BA Transferable (1-199 level)
YES

METHODS OF INSTRUCTION:

Methods of instruction may include, but are not limited to, the following:

* Laboratory
* Lecture and/or Discussion

METHODS OF EVALUATION:

A student's grade will be based on multiple measures of performance unless the course requires no grade. Multiple measures may include, but are not limited to, the following:
COURSE TOPICS:

Outline Of Topics:
The following topics are included in the framework of the course but are not intended as limits on content. The order of presentation and relative emphasis will vary with each instructor.

A. History and Development of the Sheep Industry
B. Breeding
C. Health
D. Management
E. Nutrition
F. Reproduction
G. Marketing

OUTCOMES:

Course Objectives
The main concepts for this course will ask students 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.

Student Learning Outcomes
Given that husbandry skills are necessary to ensure quality animals, students will be able to perform basic management procedures such as docking, castration, and shearing. Students must be able to perform said procedures without excessive harm or disease to the animal. Each procedures will be evaluated by a professional for competency.

Skill demonstrations
Problem solving assignments or activities
Multiple choice tests
Short answer quizzes or exams

Given that modern production operations rely on quality animals, students will be able to analyze sheep by production data and live appraisal. Students shall be able to evaluate animals by ranking them by production data to the same level an industry professional would in a live animal appraisal.

Skill demonstrations
Problem solving assignments or activities
Multiple choice tests
Short answer quizzes or exams

Given that reproduction is vital to any animal production operation, students will be able to describe and appraise the function of the reproduction system of sheep. Students will show competency to the entry-level herdsman by the successful partnering of an open ewe to a ram.

Skill demonstrations
Problem solving assignments or activities
Multiple choice tests
Short answer quizzes or exams

Given animal health is important to successful production management operations, students will be able to list common diseases and parasites and their control. By successful completion of this objective, students shall have
an entry-level herdsman ability to start a health program for the operation.

- Skill demonstrations
- Problem solving assignments or activities
- Multiple choice tests
- Short answer quizzes or exams

Institutional Outcomes

1. Use appropriate creative and analytic methods to interpret ideas, solve problems, and present conclusions.
2. Apply quantitative and symbolic reasoning to obtain objective solutions to problems and equations.
3. Locate, evaluate, and use information from a variety of sources to take action or make a decision.

Assignments

Lab Content:

Lab Content

In a typical lab, students will castrate, dock, vaccinate and tag sheep. Methods of vaccination may include subcutaneous, intramuscular, intranasal and intradermal.

TEXTS AND SUPPLIES:

Textbooks may include, but are not limited to:

- **TEXTBOOKS:**

- **MANUALS:**

- **PERIODICALS:**

- **MATERIALS FEE:** $0

- **OTHER:**

Honors Course Outline Addendum

**ORIGINATOR:** Bob Britton

**DATE:** 06/08/2009