

Discipline: Agriculture	Sub-discipline: Animal Science
General Course Title: Sheep Science	Min. Units: 3 Semester
Proposed Suffix: L	
<p>Course Description: Survey of the sheep industry; management of commercial, purebred and small farm flocks; selecting, feeding, breeding and basic care of ewes and lambs plus marketing of lambs and wool. Laboratory required.</p>	
Required Prerequisites or Co-Requisites ¹	
Advisories/Recommended Preparation ²	
<p>Course Objectives: <i>At the conclusion of this course, the student should be able to:</i></p> <ul style="list-style-type: none"> • Identify a minimum of eight common breeds of sheep and discuss in a group setting. • Analyze sheep by production data and live appraisal. • List common diseases and parasites and their control. • Perform basic scientific management procedures such as docking, castration, and shearing. • Compare different feeding formulations as it pertains to sound management. • Describe and appraise the function of the reproduction system. • Calculate the cost of sheep handling facilities and equipment. • Identify cultural contributions and ethnic influences on the sheep industry. • Describe career opportunities and requirements for successful employment. 	
<p>Course Content:</p> <ol style="list-style-type: none"> 1. History and Development of the Sheep Industry <ol style="list-style-type: none"> a. Local b. State c. Global 2. Breeding <ol style="list-style-type: none"> a. Breeds of sheep b. Genetic concepts c. Genetic value d. Selection e. Mating systems f. Inherited defects 3. Health <ol style="list-style-type: none"> a. Diseases of lambs, ewes, and rams b. Parasitic diseases c. Plant poisoning d. Management calendar for disease prevention 4. Management <ol style="list-style-type: none"> 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 <p>Sheep Science (Content continued)</p>	

¹ Prerequisite or co-requisite course need to be validated at the CCC level in accordance with Title 5 regulations; co-requisites for CCCs are the linked courses that must be taken at the same time as the primary or target course.

² Advisories or recommended preparation will not require validation but are recommendations to be considered by the student prior to enrolling.

- 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

Laboratory Activities: Individual Laboratory Activities are designed to support course objectives.

Methods of Evaluation: Lecture Comprehensive Quizzes and Exams Written Critical Thinking Scenarios Problem Analysis and Solution Research and Term Papers	Methods of Evaluation: Laboratory Laboratory Skill Validation by Observation Laboratory Reports Laboratory Research Projects and Reports Laboratory Skill Practicum Exams
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Typical Textbooks, Manuals, or Other Support Materials
Sheep Production and Management 2nd ed., Ross, C.V. ,
 New Jersey, Prentice Hall ISBN 0-13-808510-2
SID Sheep Production Handbook, American Sheep
 Industry
 Association, Colorado Education and Research Council,
 Paper Systems, Inc.

Statewide Articulation: formally CAN AG 22, CPSLO-ASCI 223, CPP-not articulated, CSUF-A SCI 41, CSUC-ANSC 172, other universities as lower division elective

FDRG Lead Signature: _____ Date: _____

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