

Discipline: Agriculture	Sub-discipline: Animal Science
General Course Title: Poultry Science	Min. Units: 3 Semester
Proposed Suffix: L	
<p>Course Description: Study of the principles and practices of commercial poultry production; emphasis on poultry nutrition, reproduction, environmental management, health, marketing and recordkeeping to ensure scientifically-based management decisions and consumer product acceptance. 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"> • Compare and contrast domestic and international poultry production systems. • Demonstrate principles and practices used to successfully brood chicks. • Identify and describe the productive traits of commercial layers. • Interpret and evaluate flock records. • Describe conditions and equipment necessary to incubate eggs. • Demonstrate practices used in processing and grading poultry and eggs. • Identify and discuss traits of various breeds and species of poultry. • Describe career opportunities and requirements for successful employment. • Describe factors involved in poultry production, health, biosecurity and quality assurance programs. • Identify and discuss animal welfare issues in the poultry industry. • Describe strategies used in poultry waste management, spent hen use and other by-products of the poultry industry. • Explain the contributions of various cultures to the commercial poultry industry. 	
<p>Course Content:</p> <ol style="list-style-type: none"> 1. Distribution and Importance of Poultry <ol style="list-style-type: none"> a. World b. United States c. California d. Contributions of various cultures to the poultry industry 2. Common Breeds and Strains Used in California <ol style="list-style-type: none"> a. Chickens b. Turkeys c. Ducks/geese 3. Poultry Anatomy and Physiology <ol style="list-style-type: none"> a. External anatomy b. Major body systems 4. Poultry Breeding and Selection <ol style="list-style-type: none"> a. Breeding practices b. Production characteristics <p>Poultry Science (Contents 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. Brooding and Rearing
 - a. Leghorns
 - b. Meat-type birds
 - c. Small scale brooding

6. Nutrition and Feeding
 - a. Feed types
 - b. Nutritional requirements
 - c. Feeding systems

7. Biosecurity
 - a. Poultry disease prevention
 - b. Common disease problem

8. Poultry Processing
 - a. Eggs
 - b. Meat

9. Animal Welfare
 - a. Animal care
 - b. Animal welfare

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

Typical Textbooks, Manuals, or Other Support Materials

Poultry Science and Production Moreng, Robert E., and Avens, John S., Waveland Press, Inc, ISBN 0-88133-6343
Poultry Science, Ensminger, M.E., Interstate Publishers. ISBN 0-8134-2929-3.
Commercial Chicken Production Manual, North, Mack O. Bell, Donald D., Van Nostrand Reinhold ISBN 0-442-31882-2

Statewide Articulation: CPSLO-PM 225, CPP-not articulated, CSUF A SCI 91, UCD-AVS 11, other universities as lower division elective

FDRG Lead Signature:

Date:

Mark E. Bender, PhD CSU Stanislaus

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Internal Tracking Number