I. OVERVIEW
The following information will appear in the 2012 - 2013 catalog

ANSC 232 Avian Practices 3 Units

Practices in avian management including breeders, fryers and layers; incubating, brooding, and rearing of chicks; feed preparation; recordkeeping; processing, and marketing of avian products. Specific work with game birds and non-commercial species of fowl.

Field trips are required.  (A-F Only) Lecture /Lab
Transfer: (CSU, UC)

II. LEARNING CONTEXT
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. COURSE CONTENT

1. Required Content:

a. Poultry Breeds and Uses
   i. Chicken
   ii. Turkey
   iii. Duck
   iv. Other

b. Alternative Methods of Poultry Production
   i. Free-Range
   ii. Cage-Free
   iii. Organic
   iv. Heritage breeds
   v. Slow-food movement
   vi. Advantages
   vii. Challenges

c. Brooding chicks/turkeys
   i. Preparing for the chicks
   ii. Operation and repair of brood stove
   iii. Feeding and watering
iv. Preventing disease

d. Raising fryers and game meat birds
   i. Feeding
   ii. Care for litter/cages
   iii. Preventing disease
   iv. Providing ventilation and space
   v. Processing
   vi. Marketing
   vii. Keeping and analyzing records

e. Caring for the layers and breeder game birds
   i. Feeding and watering
   ii. Laying physiology
   iii. Preventing disease and parasites
   iv. Identifying danger and stress signals
   v. Gathering, processing, and marketing of eggs
   vi. Culling
   vii. Keeping records
   viii. Marketing strategies
   ix. Incubating and hatching eggs

f. Conducting Research Projects
   i. Using the scientific method
   ii. Research ethics
   iii. Project requirements
   iv. Keeping and analyzing records

g. Alternative species
   i. Squab
   ii. Ducks
   iii. Gamebirds
   iv. Other
   v. Processing and marketing
vi. Keeping and analyzing records

2. **Required Lab Content:**

   a. Recognizing poultry breeds
   b. Using poultry equipment
   c. Brooding set-up
   d. Egg gathering and storage
   e. Egg incubation and hatching
   f. Experimental design and data gathering
   g. Field trip to squab producer

B. **HOURS AND UNITS**

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<th>INST METHOD</th>
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<th>UNITS</th>
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3 Units

C. **METHODS OF INSTRUCTION (TYPICAL)**

Instructors of the course might conduct the course using the following method:

1. Lecture on class material.
2. Discussion of current topics.
3. Facilitate skill development in lab sessions.
4. Field trips to industry.
5. Demonstration and observation.

D. **ASSIGNMENTS (TYPICAL)**

1. **EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS**
   
   *Time spent on coursework in addition to hours of instruction (lecture hours)*

   a. Weekly laboratory reports
   b. Study for final exam and laboratory skill exam
   c. Complete a research project and present it in a report format
   d. Prepare and present Open House Display in October

2. **EVIDENCE OF CRITICAL THINKING**

   *Assignments require the appropriate level of critical thinking*

   a. Students will develop, design and carry out a research project on some aspect of alternative
poultry production. Students will collect and analyze data and present the report to their classmates.

b. Students will compile a "Breed Study Guide" that includes all poultry breeds studied in class. The study guide will consist of a color picture of the breed, the origin, the history/uses of the breed, and existing varieties.

c. Typical quiz question: You are a 4H leader/FFA Advisor and your poultry group wants to start a poultry project. What breed would you recommend and why?

E. TEXTS AND OTHER READINGS (TYPICAL)

1. Other: Instructor-generated handouts that relate to the poultry industry, current issues and other relevant topics regarding alternative methods of poultry production.

III. DESIRED LEARNING

A. COURSE GOAL

As a result of satisfactory completion of this course, the student should be prepared to:

describe alternative methods of poultry production and management including brooding, rearing, feeding and selection.

B. STUDENT LEARNING GOALS

Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals

Upon satisfactory completion of this course, the student will be able to:

a. Demonstrate the skills necessary to perform the jobs on various types of poultry operations.

b. Discuss alternative methods of poultry production including free-range, cage-free, organic and specialty niche markets.

c. Identify and use various types of poultry-related equipment.

d. Design, develop and carry out a research project related to some alternative method or specialty type of poultry production.

e. Analyze advantages and disadvantages of various strategies of alternative poultry production including marketing of products, potential for growth and demand.

f. Identify various breeds and types of fowl used in alternative production systems.

g. Design and present a poultry display to the public that represents some alternative method of poultry production.

2. Lab Learning Goals

Upon satisfactory completion of the lab portion of this course, the student will be able to:

a. Use various types of poultry equipment.

b. Recognize common breeds of poultry used in alternative systems of production.

c. Design, develop and carry out a laboratory research project.

d. Create and present a poultry display for the public to view.
IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT

1. Written laboratory assignments
2. Periodic quizzes
3. Participation in hands-on aspects of course
4. Evaluation of an Open House display on some aspect of avian production/management.

B. SUMMATIVE ASSESSMENT

1. Final examination
2. Laboratory final examination
3. Research project report and presentation.