

**AG 60 Course Outline as of Fall 1981****CATALOG INFORMATION**

Dept and Nbr: AG 60 Title: BASIC ANIMAL SCI  
 Full Title: Basic Animal Science  
 Last Reviewed: 2/13/2023

Units	Course Hours per Week		Nbr of Weeks		Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

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:

**Catalog Description:**

Livestock industry in the United States and California, its importance in agriculture and the national economy; breeds, terminology, phases and cycles of production for beef and dairy cattle, sheep, swine and poultry. Importance and use of the basic sciences in the livestock industry.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for English 100A or equivalent.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: The contribution of animal agriculture to the nation's food supply and economy; breeds, terminology, phases and cycles of production for beef and dairy cattle, sheep, swine, and poultry. Importance and use of the basic sciences in the livestock industry. (Grade Only)

Prerequisites/Corequisites:

Recommended: Eligibility for English 100A or equivalent.

Limits on Enrollment:

Transfer Credit: CSU;UC. (CAN AG6)

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

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:
	C	Natural Sciences	Fall 2018	
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
<b>UC Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:

### **CID:**

CID Descriptor: AG - AS 104 Introduction to Animal Science

SRJC Equivalent Course(s): ANSC20

### **Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The students will:

1. Evaluate common management practices of farm animals health, nutrition, genetics, and reproduction.
2. Identify minimum of six common breeds of beef, sheep, horses, hogs, dairy, and poultry and assess their differences.
3. Analyze the functions and advantages of different livestock enterprises in relation to demographics.

### **Topics and Scope:**

1. Livestock Industry.
  - a. general
    1. terminology
    2. functions of a livestock enterprise
    3. advantages of livestock farming
    4. species; production, and descriptive cycle of production of each
  - b. U.S.
    1. major agriculture regions of U.S. and rank of each species.
    2. numbers of livestock in U.S.; comparison with other countries in production of livestock and products.
    3. meat consumption in U.S.
  - c. California.
    1. major regions in California and types of livestock
    2. numbers of livestock in California

3. consumption and production of each type of livestock
4. factors affecting amount of production possibilities of expansion or reduction of production competition from other sources
2. Principles of Livestock.
  - a. phases and types of production
  - b. management
  - c. establishing the enterprise
  - d. breeds and breeding - genetics and physiology
  - e. feeds and feeding - nutrition and chemistry
  - f. health - anatomy and physiology
  - g. marketing - economics
  - h. product - food technology
3. Practices of Livestock Production - Applied Skills.
  - a. phases, types, and cycle of production of each species
    1. swine
    2. poultry
    3. sheep
    4. beef
    5. dairy

**Assignment:**

Students will be required to:

1. Reading assignments that will average 30 pages per week.
2. Writing assignments, worksheet, study guide, class notes that will average 7 pages/week.

**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.

Written homework, Reading reports, Essay exams

Writing  
10 - 25%

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

Homework problems, Quizzes, Exams, WORKSHEETS

Problem solving  
10 - 25%

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

Performance exams

Skill Demonstrations  
15 - 25%

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

Multiple choice, True/false, Matching items, Completion

Exams  
50 - 90%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

SCIENTIFIC FARM ANIMAL PRODUCTION, by Robert E. Taylor and Ralph Bogart, 1993.

THE SCIENCE OF ANIMAL HUSBANDRY, by Blakely and Bade, Sixth Edition, 1994