COURSE OUTLINE

GENERAL ANIMAL HUSBANDRY — Course Title

AG123 — Dept. & Course No.

I. COURSE DESCRIPTION

This course is designed to provide instruction in the principles of efficient animal production. It covers topics in general farm breeds, anatomy, physiology, genetics, nutrition, feeds and feeding, housing management, sanitation and animal health and disease control.

II. SEMESTER CREDITS: 4

III. CONTACT HOURS PER WEEK: 3 Lecture | 3 Lab | 6 Total

IV. PRE-REQUISITE: AG111

V. STUDENT LEARNING OUTCOMES:

Upon completion of this course, the student will be able, with 65% accuracy, to:

1. Explain briefly the history of the domestication of farm animals.
2. List and explain the functions of livestock.
3. Describe livestock production problems relating to the environment.
4. Name, locate, and describe the functions of the parts of the digestive systems of ruminant and non-ruminant animals and birds.
5. Identify the internal organs of the chicken using the actual body.
6. Identify the major functions of the basic nutrient groups and identify feeds that are sources of each.
7. Classify feeds as roughages or concentrates.
8. Describe the six ration functions.
9. Explain the characteristics of a balanced ration.

VI. COURSE CONTENT

A. Domestication of Livestock

B. Functions of Animals

C. Livestock and Environment
   1. Environmental Problems of Livestock
   2. Handling Livestock Wastes
   3. Environment and Nutrition
   4. Disposal of Dead Animals
   5. Hazards of Animal Diseases

D. Digestive Systems

E. Dissection of Chicken

F. Feed Nutrients

G. Classification of Feeds

H. Ration Function

J. Balancing Rations

10. Explain how genetics relates to improvement in livestock production.	K. The Importance of Genetics
11. Identify and describe the male and female reproductive organs: define fertilization, gestation, parturition, and estrus cycle.	L. Reproductive System
12. Discuss the use of artificial insemination and embryo transfer in Animal Science.	M. Artificial Insemination and Embryo Transfer
13. Name and explain common breeding systems used in Livestock Production.	N. Systems of Breeding
14. Name and describe various breeds of livestock in local farms, their origins and breed characteristics.	O. Breeds of the Local Livestock

VII MATERIALS AND EQUIPMENT

A. Animal feed
B. Dissecting tools
C. Farm Tools and Equipment
D. Digital Camera
E. Standard Classroom Materials

VIII TEXT(S)

A. Gillespie, J.R. *Modern Livestock and Poultry,* **7th ed.** Del Mar Publishers, 2007.

IX METHOD OF INSTRUCTION

A. Lecture- Discussion
B. Demonstration
C. Laboratory/Field Activities
D. Student Projects
E. Field Trips
F. Videos

X METHOD OF EVALUATION

The lecture portion of this course will account for 60% of the grade while the laboratory will provide the other 40%.

Lecture	**% of Grade**
Participation	5%
Quizzes	15%
Tests	30%
Assignments	10%

Laboratory

Participation	15%
Laboratory Write-Ups	10%
Projects	15%
TOTAL	**100%**

The computation of the letter grade is as follows:

90% - 100%	A
80% - 89%	B
70% - 79%	C
65% - 69%	D
0% - 64%	F

TASK LISTING SHEET

AG123 GENERAL ANIMAL HUSBANDRY
Course title

Credits: 3 Lec 1 Lab 48 Total hours

Tasks	Hours
SLO's # 2-3	3
1. Field trip to local farms to observe and identify the functions of animals and environmental problems.	
SLO's # 4-5	3
1. Dissect a chicken and identify the internal organs	
SLO # 11	30
1. Observe estrus cycles and its signs in gilts and sows 2. Breeding of pigs 3. Monitor the health of breeding herd 4. Assist gilt or sow during parturition 5. Prepare the farrowing pens 6. Perform post-parturient operations	
SLO's # 13-14	12
1. Field trips to local pig, goat and poultry farms. Using activity worksheets, conduct interviews to farmers, Identify breeds and origins of animals.	
TOTAL LAB HOURS	48

*** Lab hours are subject to change as necessary.**

CLO # 4

Numerical Value	**Students will be able to discuss the use of artificial insemination and embryo transfer in animal science.**
4	Perform all the following tasks accurately • Accurately discuss the use of artificial insemination in animal science • Accurately discuss embryo transfer in animal science
3	Perform the task mentioned above but most with minor mistakes
2	Perform the task mentioned above but most are inacurate or incomplete
1	Unable to complete the task mentioned above

CLO # 5

Numerical Value	**Students will be able to identify and describe reproductive organs of pigs and explain fertilization, gestation, parturition, and estrus cycle.**
4	Perform all the following tasks accurately • Correctly identify the reproductive organs of pigs • Correctly describe the reproductive organs of pigs • Accurately explain fertilization, gestation, parturition, and estrus cycle
3	Perform the task mentioned above but most with minor mistakes
2	Perform the task mentioned above but most are inacurate or incomplete
1	Unable to complete the task mentioned above