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) 1.5 (Lab) 4.5 (Total)

IV. PRE-REQUISITE: AG111

V. STUDENT LEARNING OUTCOMES:	VI. COURSE CONTENT
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.	A. Domestication of Livestock
2. List and explain the functions of livestock.	B. Functions of Animals
3. Describe livestock production problems relating to the environment.	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
4. Name, locate, and describe the functions of the parts of the digestive systems of ruminant and non-ruminant animals and birds.	D. Digestive Systems
5. Identify the internal organs of the chicken using the actual body.	E. Dissection of Chicken
6. Identify the major functions of the basic nutrient groups and identify feeds that are sources of each.	F. Feed Nutrients
7. Classify feeds as roughages or concentrates.	G. Classification of Feeds
8. Describe the six ration functions.	H. Ration Function
9. Explain the characteristics of a balanced ration.	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 1.5 24
Lec Lab 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	10
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	8
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	24

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

Palau Community College
AG123 General Animal Husbandry
Course Learning Outcomes

During the course experience, the ***course learning outcomes*** (CLOs) will be assessed through the use of signature assignments. A rating scale will be used to determine the students' proficiency level of each CLO using specifically aligned assignments. The numerical ratings of 4, 3, 2 and 1 are not intended to represent the traditional school grading system of A, B, C, D and F. The descriptions associated with each of the numbers focus on the level of student performance for each of the course learning outcomes listed below.

Rating Scale:	**4**	**Outstanding**
	3	**Proficient**
	2	**Developing**
	1	**Emerging**

CLO # 1

Numerical Value	**Students will be able to identify and state the functions of the internal organs of a male and female chicken.**
4	Perform all the following tasks accurately • Correctly identify the internal organs of a chicken • Correctly state the function for each internal organ in a male and female chicken
3	Perform the task mentioned above but most with only minor mistakes
2	Perform the task mentioned above but most are inaccurate or incomplete
1	Unable to complete the task mentioned above

CLO # 2

Numerical Value	**Students will be able to describe the six functions of a good ration.**
4	Perform all the following tasks accurately • Accurately describe the six functions of a balanced ration • Accurately explain the importance of each function
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 # 3

Numerical Value	**Students will be able to identify the major functions of the basic nutrient groups and their feed sources.**
4	Perform all the following tasks accurately • Correctly identify the major functions of the basic nutrient groups • Correctly identify the feed sources of the basic nutrient groups
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 # 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