

COURSE OUTLINE

POULTRY AND SWINE PRODUCTION
Course Title

AG 215
Dept. & Course No.

I COURSE DESCRIPTION

This course provides general instruction in the techniques of poultry and swine production, including breed selection, feeding, management and disease control. It emphasizes poultry and swine production in the tropics. Pre: AG 123 (3 credits lec, 1 credit lab)

II SEMESTER CREDITS: 4

III CONTACT HOURS PER WEEK:	<u>3</u>	<u>3</u>	<u>6</u>
	Lec	Lab	Total

IV PREREQUISITE: AG 123

V STUDENT LEARNING OUTCOMES

VI COURSE CONTENT

Upon completion of the course, the student will be able to achieve 65% proficiency to:

1. Discuss the importance of poultry raising.

2. Identify the different poultry animals.

3. Identify and describe the different types and breeds of chicken.

4. Explain the different desirable characteristics of chicken in selecting a breed.

5. Discuss the requisites of a good housing.

6. Identify and describe the different types of poultry housing.

7. Explain the different components of a good yard.

8. Perform the management practices in different stages of chicken growth.

A. The Importance of Poultry Industry

B. Poultry Animals

C. Choosing the Perfect Chicken

1. Breeds
2. Classes
3. Varieties
4. Strains

D. Breed Selection

E. Housing

1. Coop Design
2. Space Requirement
3. Ventilation
4. Temperature Control
5. Flooring
6. Bedding
7. Roost and Nests
8. Cages

F. Types of Poultry Houses

G. Yard Management

H. Poultry Management Practices

1. Breeding
2. Rearing
3. Broilers
4. Layers

9. List and explain the essential feeds of chicken on every growth stages.
10. Identify local feed supplements and explain its importance in poultry rations.
11. Identify the signs and symptoms of poultry diseases and explain their preventive and control measures.
12. List the importance and characteristics of the swine enterprise.
13. Explain the factors to consider when selecting a suitable breed of swine.
14. Identify and describe the different breeds of swine.
15. Identify and describe the internal and external anatomy of swine.
16. Perform the feeding programs for the different growth stages of swine.
17. Demonstrate accepted management practices in swine raising from prebreeding to weaning to market.
19. Explain the factors in selecting feeder Pigs.
20. Describe the causes, symptoms, prevention, and control of common swine diseases and parasites.
21. Describe the different facilities required for swine production

- I. Poultry Nutrition
 1. Poultry Rations
 2. Home-Mixed Rations
- J. Poultry Diseases
 1. Signs and Symptoms
 2. Prevention
 3. Treatment
- K. Overview of the Swine Enterprise
- L. Selection of Breed
- M. Characteristics of the Breeds
- N. Swine Anatomy
 1. External
 2. Internal
- O. Feeding and Management
 1. Selecting feeds for swine
 2. Feeding the breeding herd
 3. Feeding the piglets
 4. Feeding the growing-finishing pigs
- P. Management Practices
 1. Prebreeding
 2. Breeding-Gestation
 3. Reproductive problems
 4. Farrowing
 5. Farrowing to weaning
 6. Weaning to market
 7. Feeder pigs
- Q. Selecting Feeder Pigs
- R. Disease and Parasites Prevention
 1. Infections diseases
 2. Nutritional health problems
 3. External and Internal parasites
- S. Swine Housing and Equipments
 1. Site selection and building placement
 2. Kinds of buildings
 3. Ventilation
 4. Floors
 5. Breeding facilities
 6. Farrowing facilities
 7. Growing and finishing facilities

VII MATERIALS AND EQUIPMENT

- a. Visual aids of Poultry Animals and Breeds of Swine
- b. Poultry houses and equipments
- c. Piggery house and equipments
- d. Poultry and Pig feeds
- e. Transportation
- f. Overhead Projector
- g. Digital Camera
- h. Standard Classroom Materials
- i. Computer

VIII TEXTS AND REFERENCES

A. Text

Damerow, G. Storey's Guide to Raising Chickens. North Adams, Massachusetts: Storey Book Publishing, 1995.

B. References

1. Gillespie, J.R. Modern Livestock and Poultry, 7th ed. Albany, N.Y.: Delmar Publishers, 2002.
2. Klover, K. Storey's Guide to Raising Pigs. North Adams, Massachusetts: Storey Book Publishing, 1997.

IX METHOD OF INSTRUCTION

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

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%.

<u>Lecture</u>	% of Grade
Participation	05%
Quizzes	15%
Tests	30%
Assignments	10%

<u>Laboratory</u>	
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

AG 215 POULTRY AND SWINE PRODUCTION
Course No. & Title

Credits: 3 1 48
 Lec Lab Total

T A S K

TIME

SLO #2-4

6

1. Visit different poultry farms here in Palau and identify the different animals raised by the farmers.
2. Familiarize with the different types and breeds of chicken.
3. Make an evaluation of the performances of the different types and breeds of chicken.

3

SLO #5-7

9

1. Using activity worksheet, observe the different types of poultry houses here at Palau and compare their respective advantages to existing environment.

SLO #9-11

9

1. In the school poultry project, demonstrate proper management practices of poultry raising:
 - a. Feeding the right amount and kinds of feeds to each stage of growth.
 - b. Utilize local feed materials to supplement the feed requirements of the birds.

SLO #12

3

1. Observe the birds in the poultry house and make accurate diagnosis on the symptoms of pest and diseases and recommend effective preventive and control measures.
2. Observe and maintain sanitation practices.

SLO #14-15

12

1. Visit piggery farms here in Palau and identify the different types and breeds raised and list down their respective descriptions.
2. Make comparison on their productivity and adaptability.

SLO #17-18

3

1. Perform proper management practices of swine raising on the school piggery project:
 - a. Feeding the right kind and amount of feeds for every growth stage.
 - b. Feed supplementation.
 - c. Care and sanitation programs.
 - d. Breeding
 - e. Farrowing
 - f. Weaning

SLO #19

3

1. Observe the PCC pigs and identify symptoms and occurrence of pest and diseases and recommend preventive and control measures.

SLO #20-21

1. Visit piggery farms and identify the different equipments and facilities required for swine production.
2. Evaluate the effectiveness of each equipment and facilities and recommend procedures to maximize their usefulness to further swine raising enterprise here at Palau.

48 hrs

TOTAL

Rubric Form A

(Used for Shop courses and other Program courses)

AG 215- POULTRY AND SWINE PRODUCTION

STUDENT NAME _____ Semester/ Year _____

INSTRUCTOR'S NAME _____

This record is intended to serve as a method of evaluating student achievement of the competencies in Agricultural Science Program.

Directions: Evaluate the student using the rating scale below and encircle the appropriate number to indicate the degree of competency. The numerical rating of 5, 4, 3, 2, and 1 are not intended to represent the traditional school grading system of A, B, C, D, and F. The description opposite the numbers will determine the level of student performance for each of the competencies listed below.

Rating Scale: 5 Excellent
4 Above Average
3 Average
2 Below Average
1 Unacceptable

COMPETENCIES	RATING	DATE
1. Identify and describe the different types and breeds of chicken	5 4 3 2 1	
2. Explain the desirable characteristics of chicken when selecting a breed	5 4 3 2 1	
3. Perform the management practices in different stages of chicken growth	5 4 3 2 1	
4. Identify local feed supplements and explain its importance in poultry rations	5 4 3 2 1	
5. Identify and describe the different types and breeds of swine	5 4 3 2 1	
6. Perform the feeding programs for the different growth stages of swine	5 4 3 2 1	
7. Demonstrate accepted management practices in swine raising from prebreeding to weaning to market	5 4 3 2 1	
8. Explain the factors to consider when selecting a suitable breed of swine	5 4 3 2 1	
	5 4 3 2 1	

I certify that the student has completed all the competencies in this course and has achieved an average rating as shown above.

Instructor's Signature

Date _____

Competency Profile Assessment

AG 215- POULTRY AND SWINE PRODUCTION

1. Identify and describe the different types and breeds of chicken

5	Identify and describe the different types and breeds of chicken with 90%-100% accuracy
4	Identify and describe the different types and breeds of chicken with 80%-89% accuracy
3	Identify and describe the different types and breeds of chicken with 70%-79% accuracy
2	Identify and describe the different types and breeds of chicken with 65%-69% accuracy
1	Identify and describe the different types and breeds of chicken with below 65% accuracy

2. Explain the desirable characteristics of chicken when selecting a breed.

5	Explain the desirable characteristics of chicken when selecting a breed with 90%-100% accuracy
4	Explain the desirable characteristics of chicken when selecting a breed 80%-89% accuracy
3	Explain the desirable characteristics of chicken when selecting a breed with 70%-79% accuracy
2	Explain the desirable characteristics of chicken when selecting a breed with 65%-69% accuracy
1	Explain the desirable characteristics of chicken when selecting a breed with below 65% accuracy

3. Perform the management practices in different stages of chicken growth.

5	Perform the management practices in different stages of chicken growth with 90%-100% accuracy
4	Perform the management practices in different stages of chicken growth with 80%-89% accuracy
3	Perform the management practices in different stages of chicken growth with 70%-79% accuracy
2	Perform the management practices in different stages of chicken growth with 65%-69% accuracy
1	Perform the management practices in different stages of chicken growth with below 65% accuracy

4. Identify local feed supplements and explain its importance to poultry rations.

5	Identify local feed supplements and explains its importance to poultry rations with 90%-100% accuracy
4	Identify local feed supplements and explains its importance to poultry rations with 80%-89% accuracy
3	Identify local feed supplements and explains its importance to poultry rations with 70%-79% accuracy
2	Identify local feed supplements and explains its importance to poultry rations with 65%-69% accuracy
1	Identify local feed supplements and explains its importance to poultry rations with below 65% accuracy

5. Identify and describe the different types and breeds of swine

5	Identify and describe the different types and breeds of swine with 90%-100% accuracy
4	Identify and describe the different types and breeds of swine with 80%-90% accuracy
3	Identify and describe the different types and breeds of swine with 70%-79% accuracy
2	Identifies and describe the different types and breeds of swine with 65%-69% accuracy
1	Identify and describe the different types and breeds of swine with below 65% accuracy

6. Perform the feeding programs in the different growth stages of swine

5	Perform the feeding programs in the different growth stages of swine with 90%-100% accuracy
4	Perform the feeding programs in the different growth stages of swine with 80%-89% accuracy
3	Perform the feeding programs in the different growth stages of swine with 70%-79% accuracy
2	Perform the feeding programs in the different growth stages of swine with 65%-69% accuracy
1	Perform the feeding programs in the different growth stages of swine with below 65% accuracy

7. Demonstrate accepted swine management practices from prebreeding to weaning to market

5	Demonstrate accepted swine management practices from prebreeding to weaning to market with 90%-100% accuracy
4	Demonstrate accepted swine management practices from prebreeding to weaning to market with 80%-89% accuracy
3	Demonstrate accepted swine management practices from prebreeding to weaning to market with 70%-79% accuracy
2	Demonstrate accepted swine management practices from prebreeding to weaning to market with 65%-69% accuracy
1	Demonstrate accepted swine management practices from prebreeding to weaning to market with below 65% accuracy

8. Explain the factors to consider when selecting a suitable breed of swine

5	Explain the factors to consider when selecting a suitable breed of swine with 90%-100% accuracy
4	Explain the factors to consider when selecting a suitable breed of swine with 80%-89% accuracy
3	Explain the factors to consider when selecting a suitable breed of swine with 70%-79% accuracy
2	Explain the factors to consider when selecting a suitable breed of swine with 65%-69% accuracy
1	Explain the factors to consider when selecting a suitable breed of swine with below 65% accuracy