

Course Code : LPM 203

Course Title : Pig and Poultry Production

Credit Hours : 2 (1+1)

Full Marks: 50

Theory: 25

Practical: 25

OBJECTIVES

Upon the completion of this course, the students will be able to identify different breeds, feed, and manage pigs and poultry.

I. SYLLABUS

Prominent breeds of pig, care and management and feeding of different age groups of swine, Housing systems, materials used and spacing required, commonly used managerial practices. Prominent indigenous and commercial breeds of broilers and layers, Rearing and feeding of broilers and layers at different stages of growth, Housing systems, requirements and materials required and design of houses. Egg formation, Selection of eggs for incubation. Factors essential for Hatching. Brooding methods, Common managerial practices, Vaccination, debeaking, candling, sexing, selection, grading of eggs. Selection and culling of layers. Bio-security in a commercial farm.

II. COURSE OUTLINE

A. Lecture

S.N.	Topic	No. of Lectures
1.	Introduction, Scope and statistics of pig and poultry	1
2.	Care and management of newborn pigs	1
3.	Care and management of pregnant sow and breeding boar	1
4.	Housing systems, and materials essentials for housing swine	1
5.	Commonly used managerial practices of poultry	1
6.	Breeds characteristics of pigs (Landrace, Yorkshire, Tamworth, Durock etc.)	2
7.	Breeds of poultry (layers, broilers and dual purpose)	2
8.	Materials and design of poultry housing.	1
9.	Hhhjs Egg formation , Selection of eggs for table purpose & incubation	1
10.	Factors essentials for best hatching	1
11.	Brooding methods (natural and artificial)	1
12.	Common managerial practices for broilers and layers	1
13.	Bio-security in a commercial farm	1
Total		15

B. Practical

S.N.	Topics	No. of Practicals
1.	Identification of different breeds of swine	1
2.	Housing and feeding of swine	1
3.	Identification (tagging, and ear notching) of swine	1
4.	Castration of pig, iron administration and vaccination of swine	2
5.	Identification of broiler and layer breeds	2
6.	Methods of putting identification marks on poultry	1
7.	Disease identification, vaccination and control of diseases	2
8.	Debeaking, candling, grading and selection of eggs	2
9.	Identification of layers and broilers	1
10.	Feeding and watering of poultry	2
Total		15

REFERENCES

Banerjee, G.C. 1991. A Text Book of Animal Husbandry. Oxford and IBH Publishing, New Delhi. (7th edition)

Banerjee, G.C. 1998 Feeds and Principles of Animal Nutrition, Oxford and IBH Publishing, New Delhi

Banerjee, G.C. 1995 Poultry. Oxford and IBH Publishing, New Delhi

Arora, S.P. and Kaur, Harjit (2005). Principles of Animal Nutrition and Nutrients Dynamics. ICAR, New Delhi.

Cheeke, Peter R. (1999) Applied animal Nutrition: Feeds and Feeding. Second Edition. Prentice Hall Upper Saddle River