

INSTITUTE	FACULTY OF AGRICULTURE
PROGRAM	BACHELOR OF SCIENCE (Hons.) AGRICULTURE
SEMESTER	6
COURSE TITLE	POULTRY PRODUCTION AND MANAGEMENT
COURSE CODE	16AS0611
COURSE CREDITS	2

Objective:

- 1 To develop the overall practical skill/knowledge on poultry in an operational farm for more profit management, feed requirements.
- 2 To impart knowledge on different systems of breeding, selection methods, design and implementation of breeding programme in developing egg-type and meat type poultry.

Course Outcomes: After completion of this course, student will be able to:

- 1 Students will be able to know about the importance and contribution of poultry in meat sector in India as well as whole world.
- 2 Students will be able to recognized different characteristics Indian and foreign breeds of chicken.
- 3 Student will be able to learn different aspects of poultry such as its management of chicks, broiler and layer, their feeding and water requirement and feed manufacturing.
- 4 Student will be able to learn about various environmental conditions and different equipment used to maintain those conditions.
- 5 Student will get information related to housing requirement of poultry such as floor space, different housing system their advantages and disadvantages.
- 6 Student will be able to know about various disease and vaccination which are used for poultry at different stage of their life.

Pre-requisite of course: Students should have basic knowledge regarding livestock.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
1	0	2	50	30	20	25	25

Contents : Unit	Topics	Contact Hours
1	1 Role of poultry in the national economy	1
2	2 Housing principles, space requirements for different classes of poultry birds poultry	1

Contents : Unit	Topics	Contact Hours
3	3 Incubation, hatching and brooding	1
4	4 Management of growers and layers and broilers	1
5	5 Formation of egg	1
6	6 Important Indian and exotic breeds of poultry	1
7	7 Improvement of poultry	1
8	8 Digestion and Reproduction in poultry	1
9	9 Feed ingredients for ration, Feed supplements and feed additives	2
10	10 Feeding and nutrition of different classes of poultry	1
11	11 Prevention (including vaccination schedule) and control of important diseases of poultry	1
Total Hours		12

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	1 External body parts and points of poultry	2
2	2 Identification methods of poultry	2
3	3 Visit to IPF to study daily routine farm operations and farm records	2
4	4 Judging of poultry	2
5	5 Culling of poultry	2
6	6 Planning and layout of housing for different types of poultry	2
7	7 Formulation of concentrate mixtures	2
8	8 Hatchery operations, incubation and hatching equipment	2
9	9 Management of chicks, growers and layers	2

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
10	10 Debeaking, dubbing and vaccination	2
11	11 Economics of poultry production preservation of eggs	2
Total Hours		22

Textbook :

- 1 NA, NA, NA, NA

References:

- 1 Poultry Production. 3rd Edt., Poultry Production. 3rd Edt., Singh, R. A., Kalyani Publishers, New Delhi, 1996
- 2 Farm Animal Management and Poultry Production, Farm Animal Management and Poultry Production, Thomas, C. K., Sastry, N. S. R. and Singh, R. A., Vikas Publications. New Delhi, 1982
- 3 Livestock Production and Management, Livestock Production and Management, Sastry, N. S. R. and Thomas, C. K., Kalyani Publishers, New Delhi, 2006
- 4 Text book of Livestock Production and Management in Tropics, Text book of Livestock Production and Management in Tropics, Verma, D. N., Kalyani Publishers, New Delhi, 1999

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking
25.00	25.00	30.00	10.00	5.00	5.00

Instructional Method:

- 1 The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board may also use any of tools such as demonstration, role play, quiz, brain storming, MOOCs etc.
- 2 The internal evaluation will be done on the basis of continuous evaluation of students in the laboratory and class-room.
- 3 Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory.
- 4 Students will use supplementary resources such as online videos, NPTEL videos, e-courses, Virtual Laboratory.