**ST. JOSEPH’S COLLEGE FOR WOMEN(A), VISAKHAPATNAM**

**ZOOLOGY**

## SKILL DEVELOPMENT COURSES

## ZOOLOGY STREAM

Syllabus of

# POULTRY FARMING

Total 30 hrs (02h/wk), 02 Credits & Max 50 Marks

**Objectives: To enable the students to**

1. Acquire knowledge about the care and management of poultry.
2. Discuss the feeding, breeding, hatching and rearing of fowls.
3. Discuss the rearing techniques of commercially important species.
4. Understand the field level structure and functioning of insurance sector and it’s role in

protecting the risks.

### Learning Outcomes: By the end of the course, students will be able to

1. Explain the nutritional aspects, methods of feeding, formulating poultry feed.
2. Develop an overview on the rearing techniques of commercially important species.
3. Comprehend the causes and symptoms of poultry diseases.
4. Comprehend pertaining skills and their application for promoting insurance coverage

### SYLLABUS:

**Section I (Introduction to Poultry Farming): 10Hrs**

* 1. General introduction to poultry farming -Definition of Poultry; Past and present scenario of poultry industry in India.
  2. Principles of poultry housing. Poultry houses. Systems of poultry farming.
  3. Management of chicks, growers and layers. Management of Broilers.
  4. Preparation of project report for banking and insurance

### Section II (Feed and Livestock Health Management): 10 Hrs

* 1. Poultry feed management – Principles of feeding, Nutrient requirements for different stages of layers and broilers. Feed formulation and Methods of feeding.
  2. Poultry diseases – viral, bacterial, fungal and parasitic (two each); symptoms, control and management; Vaccination programme.

### Section III(Harvesting of Eggs and Sanitation): 10 Hrs

* 1. Selection, care and handling of hatching eggs. Egg testing. Methods of hatching.
  2. Brooding and rearing. Sexing of chicks.
  3. Farm and Water Hygiene, Recycling of poultry waste.

Co-curricular Activities Suggested: (4 hrs)

1. Group discussion& SWOT analysis

2. Visit to a poultry farm

3. Invited Lectures by Concerned officers of government or private farms

4. Cheap and Healthy Feed preparation by students based on government standards

5. Market study and Survey (Monitoring of daily price hike in poultry market and analysis)

6. Online SwayamMoocs course on poultry farming (see reference 9 below)

Reference books:

1. Sreenivasaiah., P. V., 2015. Textbook of Poultry Science. 1st Edition. Write & Print Publications, New Delhi

2. 2. Jull A. Morley, 2007. Successful Poultry Management. 2nd Edition. Biotech Books, New Delhi"

3. Hurd M. Louis, 2003. Modern Poultry Farming. 1st Edition. International Book Distributing Company, Lucknow."

4. Life and General Insurance Management, "

5. Financial services, Tata McGraw hill

6. <http://www.asci-india.com/BooksPDF/Small%20Poultry%20Farmer.pdf>

7. <https://nsdcindia.org/sites/default/files/MC_AGR-Q4306_Small-poultry-farmer-.pdf>

8. <http://ecoursesonline.iasri.res.in/course/view.php?id=335>

9. <https://swayam.gov.in/nd2_nou19_ag09/preview>