

21LSPM201 LIVESTOCK AND POULTRY MANAGEMENT

Hours Per Week :

L	T	P	C
2	-	2	3

Total Hours :

L	T	P
30	-	30

COURSE DESCRIPTION AND OBJECTIVES:

This course is aimed to impart knowledge and skills on management and operation of livestock and poultry farms successfully by developing competencies concerning, the selection and breeding, feeding, housing and health care

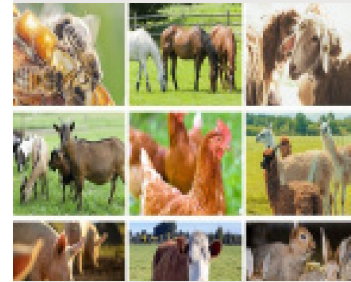
COURSE OUTCOMES:

Upon completion of the course, the student will be able to achieve the following outcomes:

COs	Course Outcomes
1	Technical knowledge on how to run livestock enterprise with competencies in the selection and breeding of livestock, management of animals of different physiological status, feeding, housing and health care
2	Skills to maintain broiler and layer chicken farms successfully
3	Learn about prevention (including vaccination schedule) and control of important diseases of livestock and poultry

SKILLS:

- ✓ *Identify different breeds of live-stock animals*
- ✓ *Manage different physiological status, feeding, housing and health care of animals of live-stock*
- ✓ *Plan to establish dairy farm and poultry farm*



Source :

<https://www.strathcona.ca/council-county/news/news/2020/7/23/livestock-ownership20/>

ACTIVITIES:

- o Handling and restraining of live stock
- o Visit to IDF and IPF to study breeds of live-stock and poultry and daily routine farm operations and farm records
- o Calculate economics of live stock

UNIT - 1

Introduction: Common animal husbandry terms. Role of livestock in the national economy. Problems and prospects of Indian livestock farming. Important Indian and exotic breeds of Cattle, Buffalo, Sheep, Goat, Swine and Poultry.

UNIT - 2

Reproduction: Male and female reproduction systems in livestock and poultry. Methods of breeding. Natural service and Artificial insemination.

UNIT - 3

Management of Livestock: Housing principles, space requirements for different species of livestock and poultry. Management of calves, growing heifers and milch animals. Management of Sheep, Goat and Swine. Incubation and brooding. Management of growers and layers.

UNIT - 4

Feeding of Livestock and Poultry: Digestion in livestock and Poultry. Nutrients and their function. Classification of feed stuffs (including feed additives and supplements). Proximate principles of feeds. Feed ingredients for ration of livestock and poultry. Principles of feeding of livestock and poultry.

UNIT - 5

Healthcare: Healthy and sick animals and birds. Introduction of livestock and poultry diseases. Prevention (including vaccination schedule) and control of important livestock and poultry diseases.

LABORATORY EXPERIMENTS**LIST OF EXPERIMENTS**

1. Familiarization with body points/ parts of different domesticated animals and poultry
2. Approaching, handling and methods of restraining
3. Casting of livestock
4. Identification methods of farm animals and poultry (branding, tattooing, notching & tagging)
5. A visit to the livestock and poultry farms
6. Identification of various breeds and familiarization various farm routines and farm records
7. Judging of cattle, buffalo and poultry. Culling of livestock and poultry
8. Layout plans for different livestock and poultry houses
9. Computation of rations for livestock and poultry
10. Formulation of concentrates mixtures for livestock and poultry
11. Clean milk production and methods of milking
12. Hatching equipment, Hatchery operations and incubation
13. Management of chicks, growers and layers
14. Debeaking, dusting and vaccination
15. Economics of cattle, buffalo, sheep, goat, swine and poultry production

REFERENCES:

1. Livestock Production Management – NSR Sastry & CK Thomas
2. Text book of Animal Husbandry – GC Benerjee
3. Handbook of Animal Husbandry – ICAR
4. Poultry Production – RA Singh
5. Goat, Sheep and Pig production and Management – Jagdish Prasad
6. Principles of Animal Nutrition and Feed Technology - DV Reddy
7. The essentials of Livestock Production Management – BasantBais

