

**Course Code : LPM 102**

**Course Title : Ruminant 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 of farm animals and have knowledge on management practices.

## **I. SYLLABUS**

Breeds of cattle, buffalo, sheep and goat. Care and management of cattle, buffalo, Sheep and goat. Housing principles and types of housing for ruminants. Artificial rearing of newborn calves, kids, lambs. Feeds and feeding of ruminants. Castration, dehorning, grooming, dipping, dusting, shearing of wool, Judging and selecting of farm animals. use of draft animals. Milking methods and practices.

## **II. COURSE OUTLINE**

### **A. Lecture**

<b>S.N.</b>	<b>Topic</b>	<b>No. of Lectures</b>
1	Introduction ,scope and statistics of ruminants	1
2	Prominent breeds and characteristics of buffalos	2
3	Prominent breeds and characteristics of cattle	1
4	prominent breeds and characteristics of sheep	1
5	Prominent breeds and characteristics of goats	2
6	Care and management of cattle, buffalo, sheep and goat ( Pregnant and lactating)	1
7	Housing principles and housing of ruminants	1
8	Artificial rearing of new born ruminants	1
9	Importance and methods of castration, dehorning, groomingdipping, and dusting of farm animals. Shearing of wool, grading quality of wool.	2
10	Judging and selection of animals	1
11	Uses of draft animals	1
12	Milking methods and practices	1
<b>Tota</b>		<b>15</b>

## B. Practical

S.N.	Topics	No. of Practicals
1.	Study different type of housing system on a farm	2
2.	Castration of bull, goat and ram	3
3.	Dehorning of buffalo and cattle	2
4.	Grooming of cattle and buffalo	1
5.	Cleaning the barn and milking par lour	1
6.	Milking practices	2
7.	Preparation of milk production record and other farm records	2
8.	Identification, characterization and familiarization with different breed of cattle, buffalo, sheep and goats	2
<b>Total</b>		<b>15</b>

## REFERENCES

Banerjee, G.C. 1991. A Text Book of Animal Husbandry. Oxford and IBH Publishing, New Delhi.

Thomos , C.R and N.S.R.. Sastry, 1991. Dairy Bovine Production. Kalyani Publishing, India

Ross, C.V. 1989 or Latest, Sheep Production and Management. Published by Prentice Hall, Inc New Jersey, 07632 USA.