

I Year II Semester
DAIRY HUSBANDRY-II

THEORY

(60 Lectures)

(4 Credits)

Unit 1: Systems of Housing of Dairy cattle- Loose Housing and Conventional Dairy Barns. Drawing of layouts for dairy cattle dwellings; Criteria for selecting site for establishing Dairy farm buildings; Water requirement of dairy animals. (20 Lectures)

Unit 2: Symptoms of ill health of Dairy animals. Diseases of Dairy animals- Bacterial, Viral, Parasitic and Nutritional diseases and their control. (10 Lectures)

Unit 3: Management of different classes of Dairy animals- Milk producing animals, Pregnant animals, dry animals, heifers and calves. Management practices for Dairy farm; Identification, Dehorning, Castration, Deworming, Vaccination, Disinfection, and Milking. (15 Lectures)

Unit 4: Maintenance of high level of fertility in the herd: Importance, reasons for low fertility, methods of maintaining high level of fertility in the herd. Methods of determining reproductive efficiency: (i) by no return percentage of cows, (ii) by calving interval period, (iii) by pregnancy days of cows per year. (15 Lectures)

MPS

Practical:

(2 Credits)

1. Dairy Farm layout
2. Identification of cows,
3. Dehorning of calves
4. Castration of bulls
5. Deworming of dairy cattle
6. Preparation of vaccination schedule of dairy cattle
7. Identification of sick animals
8. Tests for hardness of water.
9. Determining the strength of detergent solution.

Reference Books

1. Text book of Animal Husbandry - G C Benarjee
2. Hand book of Animal Husbandry ICAR Edition

