

SRI VENKATESWARA UNIVERSITY

II Year syllabus for 4 year UG Honors in B.Sc., Dairy Science as Major in consonance with
curriculum frame work w.e.f. 2026-2027

COURSE STRUCTURE FOR III Semester

Year	Semester	Course	Title	No. Hrs./ Week	No. of Credits
II	III	5	Dairy Chemistry (Chemistry of fluid milk) - (T)	3	3
			Dairy Chemistry (Chemistry of fluid milk) - (P)	2	1
		6	Dairy Microbiology- (T)	3	3
			Dairy Microbiology- (P)	2	1
		7	Dairy farm management- (T)	3	3
			Dairy farm management- (P)	2	1


Head
Dept. of Dairy Technology
College of Dairy Technology
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Tirupadi - 517502, A.P.

III Semester
Course 7: Dairy Farm Management

Hours/Week: 3

Credits -3

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 – drainage system in dairy farms – disposal of dairy farm wastes–composting– establishment of small scale gobar gas units. (20 Lectures)

Unit-2: Symptoms of ill health of Dairy animals. Diseases of Dairy animals- Bacterial, Viral, Parasitic and Nutritional diseases and their control –Economically important diseases – mastitis and foot and mouth disease. (10 Lectures)

Unit-3: Management of different classes of Dairy animals- Milk producing animals, Pregnant animals, dry animals, heifers and calves –management of sick animals – quarantine, sanitation and hygiene –Management during transport, drought and summer season.

Unit-4: Management practices for Dairy farm; Identification, Dehorning, Castration, Deworming, Vaccination, Disinfection, and milking management. (15 Lectures)

Unit-5: 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.- Reducing prolonged calving intervals. (15 Lectures).

III Semester

Hours/Week: 2

Credits -1

1. Dairy Farm layout
2. Methods of 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



4- Year UG Honours, Major
Syllabus
(2026-27)
Semester-III

Model Question Paper

Time : 3hrs

Marks:75

Part-A

Answer any Five Questions. Each Question carries 3 Marks.

5x3=15

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Answer the following questions. Each question carries 12 Marks

5x12=60

11. a) Unit-I
(Or)
b) Unit-I

12. a) Unit-II
(Or)
b) Unit-II

13. a) Unit-III
(Or)
b) Unit-III

14. a) Unit-IV
(Or)
b) Unit-IV

15. a) Unit-V
(Or)
b) Unit-V