

KARNATAKA VETERINARY, ANIMAL & FISHERIES SCIENCES UNIVERSITY
DEPARTMENT OF LIVESTOCK PRODUCTION & MANAGEMENT, VETERINARY COLLEGE, BIDAR

LPM 411 – CATTLE AND BUFFALO PRODUCTION AND MANAGEMENT

Course Duration : 18-08-08 to 17-01-09

Credit hrs : 1 + 1

COURSE OUTLINE

THEORY

Sl.	Date	Topic
1	23/08/08	Introduction, census, status, breeds and role of dairying in India
2	30/08/08	Problems and prospects of dairying in India
3	06/09/08	Dairy development schemes in the country
4	13/09/08	Economic traits of cattle and buffaloes, their selection and management
5	20/09/08	Judging of cattle and buffaloes
6	27/09/08	Feeding and management of milch cattle and buffaloes; Feeding and management of calf, heifer, dry and pregnant animals
7	04/10/08	Feeding and training of bulls for artificial breeding
8	11/10/08	Health care and management
9	18/10/08	System of housing constructional details of different buildings of dairy farms
10	25/10/08	Layout plans for backyard dairy and mixed farm
11	08/11/08	Routine dairy farm operations
12	15/11/08	Clean milk production
13	22/11/08	Methods of milking, precautions, pros and cons
14	29/11/08	Factors affecting quality and quantity of milk
15	06/12/08	Dairy farm accounts and records
16	13/12/08	Herd registration
17	20/12/08	Draughtability in cattle and buffaloes
18	27/12/08	Preparation of animals for show
19	03/01/09	Labour management
20	10/01/09	Economics of dairy farming including input and output cost involved in backyard cattle and buffalo rearing
21	17/01/09	Revision and Discussion

PRACTICALS

Sl.	Date	Topic
1	23/08/08	Identification, tattooing, branding and tagging
2	30/08/08	
3	06/09/08	Castration and dehorning of cattle and buffaloes
4	13/09/08	
5	20/09/08	Health care and feeding of young and adult animals
6	27/09/08	
7	04/10/08	Milking and clean milk production
8	11/10/08	

9	18/10/08	Layout plans for dairy farms of different sizes
10	25/10/08	
11	08/11/08	Routine farm operations
12	15/11/08	
13	22/11/08	Selection and culling of animals
14	29/11/08	Physical and chemical examination of milk for adulteration and detection of mastitis
15	06/12/08	Visit to different dairy (cattle and buffalo) farms and demonstration centres
16	13/12/08	
17	20/12/08	Analysis of farm records; Economics of dairy farming from dairy farm records
18	27/12/08	Accounting of income and expenditure cost
19	03/01/09	Study of farm ledger, cash books, asset registers, preparation of balance sheet, cost accounting of dairy products
20	10/01/09	Revision and Discussion
21	17/01/09	

Reference books:

1. Banerjee, G.C. (1998) A Textbook of Animal Husbandry – 8th edition. Oxford & IBH Publishing Co.
2. Bath, D.L., Dickinson, F.N., Tucker, H.A. and Appleman, R.D. (1978) Dairy Cattle – Principles, Practices, Problems, Profits – 3rd edition. Lea & Febiger.
3. Battaglia, R.A. and Mayrose, V.B. (1987) Handbook of Livestock Management Techniques. Surjeet Publications.
4. Blakely, J. and Bade, D.H. (1994) The Science of Animal Husbandry – 6th edition. Prentice-Hall.
5. FAO (1953) Zebu Cattle of India and Pakistan. FAO.
6. Gillespie, J.R. (1989) Modern Livestock and Poultry Production – 3rd edition. Delmar Publishers.
7. Holmes, C.W. and Wilson, G.F. (1984) Milk Production from Pasture. Butterworths.
8. ICAR (2003) Handbook of Animal Husbandry – 3rd edition. Indian Council of Agricultural Research.
9. Leaver, J.D. (1983) Milk Production – Science and Practice. Longman.
10. Mudgal, V.D., Singhal, K.K. and Sharma, D.D. (2003) Advances in Dairy Animal Production – 2nd edition. International Book Distributing Co.
11. Phillips, C.J.C. (ed) (1989) New Techniques in Cattle Production. Butterworths.
12. Prasad, J. (1989) Principles and Practices of Dairy Farm Management. Kalyani Publishers.
13. Sastry, N.S.R. and Thomas, C.K. (2005) Livestock Production Management – 4th edition. Kalyani Publishers.
14. Trimberger, G.W. and Etgen, W.M. (1989) Dairy Cattle Judging Techniques – 3rd edition. Prentice-Hall.
15. Webster, J. (1993) Understanding the Dairy Cow – 2nd edition. Blackwell Scientific.

(Course Teacher)

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