

DEPARTMENT OF LIVESTOCK PRODUCTION MANEGEMENT
MJF COLLEGE OF VETERINARY & ANIMAL SCIENCE, CHOMU, JAIPUR
COURSE OUTLINE FOR THEORY

Session 2020-21

Course No.: LPM

Course Title: Livestock Production Management

Credits: 4+2

Duration of lecture Class: 03.02.2021 to 20.11.2021

S.NO.	DATE	TOPICS	Hours
1.	03.02.2021	Demographic distribution of livestock and role in Indian economy	1
2.	04.02.2021	Problems and prospects of livestock industry in India.	1
3.	05.02.2021	Common animal husbandry terms.	1
4.	06.02.2021	Body conformation and identification.	1
5.	10.02.2021	Transportation of livestock and wild or zoo animals	1
6.	11.02.2021	Common farm management practices including disinfection, isolation, quarantine and disposal of carcass.	1
7.	12.02.2021	Introduction to methods of drug administration.	1
8.	12.02.2021	Common vices of animals (Cattle, Buffalo, Sheep, Goat,) their prevention and care.	1
9.	17.02.2021	Livestock production systems.	1
10.	18.02.2021	Animal holding and land holding patterns in different agro-climatic zones.	1
11.	19.02.2021	Organic livestock production.	1
12.	20.02.2021	Judging and BCS for body parts of livestock.	1
13.	24.02.2021	Preparation of animals for show.	1
14.	25.02.2021	Culling of animals.	1
15.	26.02.2021	Selection and purchase of livestock.	1
16.	27.02.2021	Importance of grasslands and fodder in livestock production.	1
17.	03.03.2021	Agronomical Practices for fodder production.	1
18.	04.03.2021	Important leguminous and non-leguminous fodders	1

		in different seasons	
19.	05.03.2021	Soil and Water conservation and drainage of water for fodder production.	1
20.	06.03.2021	Fodder production for small livestock units.	1
21.	10.03.2021	Structures for storage of feeds and fodders	1
22.	12.03.2021	Scarcity fodders and preservation of green fodder.	1
23.	12.03.2021	Recycling of animal washings and wastes in fodders production and use of recycle waste.	1
24.	17.03.2021	Housing systems, layout and design of different buildings for animals.	1
25.	18.03.2021	Selection of site.	1
26.	19.03.2021	General principles affecting the design and construction of building for housing for various livestock species.	1
27.	20.03.2021	Arrangements of the building with special reference to Indian conditions.	1
28.	24.03.2021	Utilization of local materials.	1
29.	25.03.2021	Building materials used for construction of wall, roof and floor of animal houses, their characteristics, merits and demerits.	1
30.	26.03.2021	Breeds of cattle and descriptions of important breeds.	1
31.	27.03.2021	Economic traits of cattle and buffaloes.	1
32.	31.03.2021	General management and feeding practices of calves, heifers, pregnant, lactating and dry animals, bulls and working animals.	1
33.	01.04.2021	Draught ability of cattle and buffaloes.	1
34.	03.04.2021	Raising of buffalo males for meat production.	1
35.	03.04.2021	Routine animal farm operations and labour management.	1
36.	07.04.2021	Animal farm accounts and records.	1

37.	08.04.2021	Methods of milking and precautions.	1
38.	09.04.2021	Factors affecting quality and quantity of milk production.	1
39.	10.04.2021	Clean milk production.	1
40.	15.04.2021	Breeds of sheep and their descriptions.	1
41.	16.04.2021	Breeds of Goat and their descriptions.	1
42.	16.04.2021	Important economic traits for meat, milk and fibre.	1
43.	17.04.2021	General management and feeding practices during different stages of growth, development and production (milk, meat and wool).	1
44.	22.04.2021	Breeds of buffalo and descriptions of important breeds.	1
45.	22.04.2021	Breeding schedule and management of ram and buck.	1
46.	23.04.2021	Weaning and fattening of lambs and kids.	1
47.	24.04.2021	Taxonomy of important wild zoo animals.	1
48.	28.04.2021	Status and conservation practices of wild life in India.	1
49.	29.04.2021	Basic principles of habitat and housing of various classes of wild zoo animals.	1
50.	30.04.2021	Size and space requirement (dimension) of cubicles, enclosures of important wild zoo animals.	1
51.	01.05.2021	Management of livestock in fringe areas, in and surrounding the breeding areas.	1
52.	05.05.2021	Feeding habits, feeds and feeding schedules of captive animals.	1
53.	06.05.2021	Restraining, capture, handling, physical examination of captive animals.	1
54.	07.05.2021	Classification of zoos, management of sanctuaries, national parks etc.	1
55.	07.05.2021	Acts and Rules related to captive animals.	1
56.	12.05.2021	National and international organization and institutions interlinked to captive animals role and	1

		functioning.	
57.	13.05.2021	Definition of animal welfare and ethics.	1
58.	15.05.2021	Human and animal welfare in relation to ecosystem and environmental factors.	1
59.	15.05.2021	Role of veterinarians in animal welfare.	1
60.	20.05.2021	Animal welfare organizations, Animal Welfare Board of India - their role, functions and current status.	1
61.	21.05.2021	Rules, regulations, laws on animal welfare.	1
62.	21.05.2021	Prevention of Cruelty to Animals (PCA) Act, 1960 {59 of 1960}.	1
63.	22.05.2021	Role and function of Committee for the Purpose of Controlling and Supervising Experiments in Animals (CPCSEA).	1
64.	26.05.2021	Protection of wild life in nature and captivity.	1
65.	27.05.2021	Protection and welfare of performing animals.	1
66.	28.05.2021	Welfare of animals during transportation.	1
67.	29.05.2021	Animal welfare in commercial livestock farming practices.	1
68.	02.06.2021	Protection and welfare of working animals.	1
69.	03.06.2021	Pet and companion animal welfare.	1
70.	04.06.2021	Animal welfare during natural calamities and disaster management.	1
71.	05.06.2021	Legal duties of veterinarians, Common offences against animals and laws related to these offences.	1
72.	09.06.2021	Provincial and Central Acts relating to animals.	1
73.	10.06.2021	Laws relating to offences affecting Public Health.	1
74.	11.06.2021	Livestock Importation Act Evidence, liability and insurance.	1
75.	11.06.2021	Code of Conduct and Ethics for veterinarians - the Regulations made under the Act.	1

76.	16.06.2021	Indian poultry industry – Brief outline of the different segments – poultry statistics.	1
77.	17.06.2021	Classification of poultry with respect to production characters, age and standards.	1
78.	18.06.2021	Production characters of other avian species.	1
79.	19.06.2021	Description of indigenous fowls and their value in rural farming.	1
80.	23.06.2021	Specific strains developed for rural poultry production; their acceptability and importance in rural eco-system Brooding management of chicks.	1
81.	24.06.2021	Types of brooders – preparation of shed – Importance of environmental factors.	1
82.	25.06.2021	Housing – Types of poultry houses – space requirements.	1
83.	26.06.2021	Recent advances in housing systems and rearing systems.	1
84.	30.06.2021	Scavenging system of management - Low input technology – Backyard and semi-intensive units; their management and economic achievements.	1
85.	01.07.2021	Deep litter management – control of litter-borne diseases and recycling of litter.	1
86.	02.07.2021	Cage management - Different types; Advantages and disadvantages.	1
87.	03.07.2021	Management of growers and layers.	1
88.	07.07.2021	Management of broilers and breeders.	1
89.	08.07.2021	Stress management.	1
90.	09.07.2021	Feeding management–Classification of nutrients – Nutrient requirements and feed formulations.	1
91.	09.07.2021	Feeding systems-Feed restrictions – phase feeding – Additives and supplements.	1
92.	14.07.2021	Water management.	1
93.	15.07.2021	Breeding systems and methods of mating.	1
94.	16.07.2021	Selection and culling.	1
95.	17.07.2021	Breeding for specific characters and for hybrid chicken production.	1

96.	22.07.2021	Poultry judging.	1
97.	23.07.2021	Egg structure – Physical and chemical composition.	1
98.	24.07.2021	Bio-security and principles of disease prevention management.	1
99.	24.07.2021	Health care for common poultry diseases – vaccination.	1
100	28.07.2021	General principles of poultry medication.	1
101	29.07.2021	Principles of incubation and hatchery management practices.	1
102	30.07.2021	Factors affecting fertility and hatchability, selection and care of hatching eggs and hatchery hygiene.	1
103	31.07.2021	Candling, sexing, grading, packing and disposal of hatchery waste.	1
104	04.08.2021	Economics of hatchery business – Troubleshooting hatchery failures Computer applications in hatchery management.	1
105	05.08.2021	Poultry waste management, pollution and environmental issues.	1
106	06.08.2021	Export or import of poultry produce and marketing.	1
107	07.08.2021	Organic and hill farming.	1
108	11.08.2021	Mixed or integrated poultry farming Vertical & horizontal integration in commercial poultry production – Contract farming.	1
109	12.08.2021	Management of ducks, geese, turkeys, Japanese quails, guinea fowls etc.	1
110	13.08.2021	Importance and selection of laboratory animal, care and housing standards of mice, rats, hamster and guinea pigs.	1
111	13.08.2021	Concept of production of specific pathogen free and germ free laboratory animals.	1
112	20.08.2021	Scope of rabbit farming in the country, breeds and their distributions in India.	1
113	21.08.2021	General considerations on feeding and breeding of laboratory animals.	1
114	21.08.2021	Limitation of rabbit animal production, Selection,	1

		care and management of breeding stock for commercial purpose.	
115	25.08.2021	Identification, care and management of kindling animals.	1
116	26.08.2021	Care of new born, growing stock.	1
117	27.08.2021	Breeding and selection techniques for optimal production of rabbit.	1
118	28.08.2021	Feeds and feeding for rabbit production.	1
119	01.09.2021	Hygienic care and Housing for rabbit production.	1
120	02.09.2021	Disposal, utilization and recycling of waste etc.	1
121	03.09.2021	Preparing projects for micro (Backyard), mini and major rabbit farms.	1
122	04.09.2021	Important breeds of dogs, cats and pet birds.	1
123	08.09.2021	Feeding of dogs, cats and pet birds.	1
124	09.09.2021	Dog show: preparation for show, kennel clubs, important characteristics for judgment.	1
125	10.09.2021	Utility of dogs guarding, defense, patrolling, riot control, scouting, espionage, mine detection, tracking, guiding, hunting, races, retrieving rescue and other uses.	1
126	10.09.2021	Introduction and scope of swine farming in the country.	1
127	15.09.2021	Demography of swine population.	1
128	17.09.2021	Selection and breeding techniques in swine.	1
129	18.09.2021	Important breeds (exotic and indigenous) & their characteristics.	1
130	18.09.2021	Housing and feeding of swine.	1
131	22.09.2021	Management of different categories of swine for optimal production: breeding and pregnant sows; sows at farrowing and after farrowing: pig-lets, growing stock, lactating sows, feedlot stock.	1
132	23.09.2021	Management of different categories of swine for optimal production: breeding and pregnant sows; sows at farrowing and after farrowing: pig-lets, growing stock, lactating sows, feedlot stock.	1
133	24.09.2021	Equine population of India.	1

134	25.09.2021	Horses, donkeys and mules and their utility.	1
135	29.09.2021	Colors and markings.	1
136	30.09.2021	Identification of breeds of horses.	1
137	01.10.2021	Dentition and ageing of horses.	1
138	06.10.2021	Care and routine management of equines including grooming, saddling and exercise.	1
139	08.10.2021	Stable and its management.	1
140	14.10.2021	Vices of horses.	1
141	16.10.2021	Foot care and shoeing care.	1
142	16.10.2021	Feeding routine for horse, donkeys and mules.	1
143	20.10.2021	Care of stallion.	1
144	21.10.2021	Mating of horses, brood mare and its care.	1
145	22.10.2021	Foaling and care of newborn.	1
146	23.10.2021	Breeding mules.	1
147	27.10.2021	Care of race horses and preparing horses for show.	1
148	28.10.2021	Doping and its detection.	1
149	29.10.2021	Colic and its prevention.	1
150	30.10.2021	Common breeds of camel in India and their utility, peculiarities in camel.	1
151	03.11.2021	Common breeds of camel in India and their utility, peculiarities in camel.	1
152	10.11.2021	Feeding schedule of camel, rutting symptoms in camel.	1
153	11.11.2021	Vices of camel.	1
154	12.11.2021	Care of breeding in camel, pregnancy and parturition of camel.	1
155	17.11.2021	Population statistics and utility, peculiarities of yak. Feeding and breeding of Mithun or Yaks.	1
156	18.11.2021	Yak x cattle crossing, hybrids from Mithun or Yaks and their adaptation to high altitude, milk composition of Mithun or Yaks.	1
157	20.11.2021	Yak x cattle crossing, hybrids from Mithun or Yaks and their adaptation to high altitude, milk composition of Mithun or Yaks.	1