

## Academic:

### 1. Degree Offered –UG, PG, PhD

Title of degree: **MVSc** - Master of Veterinary Science (Poultry Science)

Duration: 2 years

Eligibility Criteria:

Intake Capacity: 03

Opportunities:

Title of degree: **PhD**- Doctor of Philosophy (Poultry Science)

Duration: 3 years

Eligibility Criteria: Students should be completed MVSc (Poultry Science)

Intake Capacity: 01

Opportunities:

### 2. Academic Regulations:

UG , PG, PhD ( VCI, ICAR, IV, V Dean's and Corrigendum) – PDF Copies

### 3. Admissions:

UG, PG, PhD

List of Admitted Students – First Year to Final Year (Veterinary Year wise / Fishery and Dairy Semester wise) :

Sr. No.	Name of Student	Enrl. No.	Email Address	Name of Advisor
1.	Dr. Sneha S. Kore	V/18/195	<a href="mailto:snehakore888@gmail.com">snehakore888@gmail.com</a>	Dr. Mukund M. Kadam
2.	Dr. Vaibhav Verma	V/23/432	<a href="mailto:vaibhav28verma@gmail.com">vaibhav28verma@gmail.com</a>	Dr. Darshana B. Bhaisare
3.	Dr. Saicharan Hande	-	<a href="mailto:handesaicharan501@gmail.com">handesaicharan501@gmail.com</a>	Dr. Mukund M. Kadam
4.	Dr. Abhidnya Shamkuwar	-	<a href="mailto:abhidnyashyamkuwar@gmail.com">abhidnyashyamkuwar@gmail.com</a>	Dr. Darshana B. Bhaisare

### 4. Course offered :: UG, PG , PhD - Semester / Year wise

- List of UG Courses ( B.V.Sc & AH ) As per latest MSVE Guidelines) , B.Tech. (D.T.) and B.F.Sc as per ICAR – V Deans Committee – 2016.

Sr No	Course No.	Title	Credit	Course offered in the Year
1.	LPM Poultry Part	Livestock Production & Management (Poultry Part)	4+2	First year
2.	LFP Poultry Part	Livestock Farm Practices (Poultry Part)		Third Year

➤ List of PG Courses ( MVSc )

Sr No	Course No .	Title	Credit	Semester

5. Lecture Schedule – UG, PG , PhD - Theory / Practical Schedule – Approved by BoS – Subject wise

## **LECTURES & PRACTICAL SCHEDULE** **LIVESTOCK PRODUCTION MANAGEMENT**

**Total Credit Hours: 4+2**  
**THEORY**

Unit No	Topic	No of Lectures	Conducted by the Department
<b>Unit-1</b>	General Livestock Management	14	Livestock Production Management
<b>Unit-2</b>	Fodder Production and Conservation	11	Livestock Production Management
<b>Unit-3</b>	Livestock Production Management – Ruminants	17	Livestock Production Management
<b>Unit-4</b>	Zoo Animals Production Management	12	Livestock Production Management
<b>Unit-5</b>	Animal Welfare	14	Livestock Production Management
<b>Unit-6</b>	<b>Poultry Production Management</b>	<b>22</b>	<b>Poultry Science</b>
<b>Unit-7</b>	<b>Diversified Poultry Production and Hatchery Management</b>	<b>12</b>	<b>Poultry Science</b>
<b>Unit-8</b>	Laboratory or Rabbit or Pet Animal Production Management	14	Livestock Production Management
<b>Unit-9</b>	Swine or Equine or Camel, Yak and Mithun Production Management	14	Livestock Production Management

<b>Total Theory Lectures</b>	<b>130</b>	
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#### **PRACTICAL**

<b>Unit No</b>	<b>Topic</b>	<b>No of Lectures</b>	<b>Conducted by the Department</b>
<b>Unit-1</b>	General Livestock Management	12	Livestock Production Management
<b>Unit-2</b>	Fodder Production and Conservation	6	Livestock Production Management
<b>Unit-3</b>	Livestock Production Management – Ruminants	11	Livestock Production Management
<b>Unit-4</b>	Zoo Animals Production Management	6	Livestock Production Management
<b>Unit-5</b>	<b>Poultry Production Management</b>	<b>11</b>	<b>Poultry Science</b>
<b>Unit-6</b>	<b>Incubation and Hatchery Management</b>	<b>6</b>	<b>Poultry Science</b>
<b>Unit-7</b>	Laboratory or Rabbit or Pet Animal Production Management	7	Livestock Production Management
<b>Unit-8</b>	Swine or Equine or Camel, Yak and Mithun Production Management	6	Livestock Production Management
<b>Total Practicals</b>		<b>65</b>	

#### **Unit – 6**

**Title : Poultry Production Management**

**Total Theory Lectures: 22**

<b>S. N.</b>	<b>Topic</b>
1	Indian poultry industry – Brief outline of the different segments – poultry statistics Classification of poultry with respect to production characters, age and standards
2	Production characters of other avian species
3	Description of indigenous fowls and their value in rural farming. Specific strains developed for rural poultry production; their acceptability and importance in rural eco-system
4	Housing –Types of poultry houses – space requirements. Recent advances in housing systems and rearing systems.
5	Scavenging system of management – Low input technology – Backyard and semi-intensive units; their management and economic achievements.

6	Deep litter management – control of litter-borne diseases and recycling of litter.
7	Brooding management – Types of brooders – preparation of shed – Importance of environmental factors
8	Cage management – Different types; Advantages and disadvantages.
9	Management of growers
10	Management of layers.
11	Management of broilers
12	Management of breeders.
13	Stress management, Water management
14	Feeding management–Classification of nutrients
15	Nutrient requirements and feed formulations.
16	Feeding systems–Feed restrictions – phase feeding – Additives and supplements.
17	Breeding systems and methods of mating. Breeding for specific characters and for hybrid chicken production.
18	Selection and culling. Poultry judging. Egg structure – Physical and chemical composition.
19	Common poultry diseases : Bacterial and viral diseases, Coccidiosis
20	Common poultry diseases : Metabolic and Deficiency diseases
21	Bio-security and principles of disease prevention management.
22	Health care for common poultry diseases – vaccination. General principles of poultry medication.

## Unit – 7

**Title : Diversified Poultry Production And Hatchery Management**

**Total Theory Lectures: 12**

S. N.	Topic
1	Principles of incubation, Hatchery management practices
2	Factors affecting fertility and hatchability
3	Selection and care of hatching eggs and Hatchery hygiene, Candling, sexing, grading, packing and disposal of hatchery waste.
4	Economics of hatchery business – Troubleshooting hatchery failures–Computer applications in hatchery management
5	Poultry waste management, Pollution and environmental issues

6	Organic and hill farming
7	Mixed or integrated poultry farming, Vertical & horizontal integration in commercial poultry production – Contract farming
8	Export import of poultry produce and marketing
9	Management of Ducks
10	Management of Japanese quails
11	Management of Turkeys
12	Management of Geese and Guinea fowls

**Third Year Practical Course**  
**MAHARASHTRA ANIMAL & FISHERY SCIENCES UNIVERSITY, NAGPUR**  
**LIVESTOCK FARM PRACTICES (NEW VCI) 0+2=02 Credits**

NAME OF DISCIPLINE	:	Livestock Farm Complex
PROFESSIONAL YEAR	:	III
CREDIT HOURS	:	0+2 =02
1 credit	:	3 Hrs
Total Credit hours for LFP	:	6 Hrs / week
Total working days in a year including holiday	:	210 days (30 weeks)
Total credit Hours for LFP Course (30 wk x 6 Hrs)	:	<b>180 Hrs</b>
Credit hours for Poultry (25%)	:	45 Hrs
Credit hours for LPM (75%)	:	135 Hrs.

**List of Practical for Poultry science (45 Hrs)**

Sr. No.	Topic to be covered in each one hour
1	Lay-out design and setup of commercial broiler farm
2	Lay-out design and setup of commercial layer farm
3	Different types of cages and cage design
4	Lay-out design and setup of commercial breeder farm
5	Lay-out design and setup of commercial hatchery
6	Lay-out design and setup of poultry slaughter house
7	Different housing systems for broilers and layers
8	Commercial broiler, layer, breeder farm equipments

9	Commercial hatchery equipment's
10	Different equipments for poultry slaughter house
11	Lay-out design of poultry feed mill and feed mill equipments
12	Bio-security in poultry farm and precautions to be taken by the farm workers
13	Preparation of poultry shed before arrival of chicks
14	Management of chicks under brooder (layer and broiler)
15	Routine and special management practices followed in growers
16	Routine management practices followed in layers
17	Routine management practices followed in broiler farm –litter management, feeding, watering etc
18	Routine management practices followed in breeders farm –cage management, litter management, feeding, watering etc
19	Special Management Practices followed commercial breeders
20	Vaccination, medication and health care practices in poultry
21	Drinking water quality and methods of drinking water treatment for poultry, testing of water
21	Preparation of poultry feed
22	Poultry feed sampling for nutrient analysis
23	Preparation of poultry feed premix
24	Selection of breeders-Judging
25	Artificial insemination in poultry
26	Grading of eggs, Egg quality studies – internal and external
27	Handling of hatching eggs prior and during incubation, candling, fumigation etc
28	Sexing of chicks and transportation
29	Management of setter and hatcher of incubator
30	Slaughter and dressing of poultry
31	Hose fly and rodent control measures in poultry farm premises
32	Blood collection in poultry
33	Poultry post mortem techniques
34	Disposal of dead birds
35	Poultry waste disposal
36	Management of biomedical waste from poultry farm premises
37	Measures to be taken during disease out break

38	Performance data and record keeping in poultry
39	Layer and broiler indices and their performance analysis
40	Preparation of project report on broiler farms
41	Preparation of project report on layer farms
42	Preparation of project report on hatchery
43	Management of Turkeys, Ducks and Quails
44	Management of Guinea Fowl, Pet and Exotic birds
45	Differentiating features in managing other avian species
	Total hour