



**MAHARASHTRA ANIMAL
AND FISHERY SCIENCES
UNIVERSITY, NAGPUR**

M.V.SC. SEMESTER-WISE COURSE DISTRIBUTION

INDEX

Sr. No.	Department	Page No.
1	Veterinary Anatomy & Histology	03
2	Veterinary Biochemistry	04
3	Veterinary Physiology	05
4	Veterinary Pharmacology & Toxicology	06
5	Veterinary Parasitology	07
6	Veterinary Microbiology	08
7	Veterinary Pathology	09
8	Veterinary Public Health	10
9	Animal Nutrition	11
10	Animal Genetics & Breeding	12
11	Livestock Production and Management	13
12	Livestock Products Technology	14
13	Animal Reproduction, Gynaecology & Obstetrics	15
14	Veterinary Surgery and Radiology	16
15	Veterinary Medicine	17
16	Veterinary and Animal Husbandry Extension	18
17	Poultry Science	19
18	Animal Biotechnology	20

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Anatomy and Histology
M.V.Sc. Semester-wise Course Programme

Sr. No	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	ANA 601	Comparative Osteology and Arthrology	1 + 2 = 3	Core
2.	ANA 602	Comparative Splanchnology	2 + 2 = 4	Core
3.	ANA 605	Clinical Anatomy	0 + 1 = 1	Optional
4.	ANA 606	General Histology and Ultrastructure	1 + 1 = 2	Core
		Total	4 + 5 = 9	
Semester – II				
1.	ANA 603	Myology, Angiology, Neurology and Aesthesiology of Ox	2 + 2 = 4	Core
2.	ANA 604	Gross, Histological and Histochemical Techniques	1 + 3 = 4	Optional
3.	ANA 607	Systemic Histology and Ultrastructure	3 + 1 = 4	Optional
		Total	2 + 2 = 4	
Semester – III				
1.	ANA 608	Developmental Anatomy	2 + 1 = 3	Core
2.	ANA 609	Wild Life and Forensic Anatomy	1 + 0 = 1	Optional
3.	ANA 610	Masters Seminar	1 + 0 = 1	Core
4.	ANA 611	Masters Research	0 + 10 = 10	Core
5.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
6.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
7.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
8.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
9.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	6 + 13 = 19	
Semester – IV				
1.	ANA 611	Master's Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Biochemistry
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.				
2.				
3.				
		Total		
Semester – II				
1.				
2.				
3.				
		Total		
Semester – III				
1.				
2.				
3.				
4.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
5.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
6.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
7.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
8.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total		
Semester – IV				
1.				
		Total		

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Physiology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VPY 601	Physiology of Digestion	2 + 1 = 3	Core
2.	VPY 602	Cardiovascular and Respiratory Physiology	2 + 1 = 3	Core
3.	VPY 604	Hematology	2 + 1 = 3	Core
4.	VPY 603	Renal Physiology and Body Fluid Dynamics	2 + 1 = 3	Optional
		Total	6 + 3 = 9	
Semester – II				
1.	VPY 605	Growth and Environmental Physiology	2 + 0 = 2	Core
2.	VPY 606	Physiology of Animal Reproduction	2 + 1 = 3	Core
3.	VPY 607	Clinical Physiology	1 + 1 = 2	Core
4.	VPY 608	Neuromuscular Physiology	2 + 0 = 2	Optional
		Total	5 + 2 = 7	
Semester – III				
1.	VPY 609	Endocrinology of Domestic Animals	2 + 0 = 2	Core
2.	VPY 610	Instrumentation and Research Techniques in Veterinary Physiology	0 + 2 = 2	Core
3.	VPY 612	Masters Seminar	1 + 0 = 1	Core
4.	VPY 613	Master Research	0 + 10 = 10	Core
5.	VPY 611	Physiology of Wild Life	1 + 0 = 1	Optional
6.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
7.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
8.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
9.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
10.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	6 + 14 = 20	
Semester – IV				
1.	VPY 613	Master Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Pharmacology & Toxicology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.				
2.				
3.				
4.				
		Total		
Semester – II				
1.				
2.				
3.				
4.				
		Total		
Semester – III				
1.				
2.				
3.				
4.				
5.				
6.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
7.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
8.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
9.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
10.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total		
Semester – IV				
1.				Core
		Total		

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Parasitology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VPA 501	Platyhelminths - I	1 + 1 = 2	Core
2.	VPA 502	Platyhelminths - II	1 + 1 = 2	Core
3.	VPA 503	Nematohelminths and Acanthocephala	2 + 1 = 3	Core
4.	VPA 506	Diagnostic Parasitology	0 + 2 = 2	Optional
		Total	4 + 3 = 7	
Semester – II				
1.	VPA 504	Arthropod Parasites	2 + 1 = 3	Core
2.	VPA 505	Parasitic Protozoa	2 + 1 = 3	Core
3.	VPA 507	Clinical Parasitology	1 + 1 = 2	Optional
4.	VPA 508	Management of Parasitic diseases	1 + 1 = 2	Optional
5.	VPA 509	Immunoparasitology	2 + 1 = 3	Optional
6.	VPA 510	Parasitic Zoonoses	2 + 0 = 2	Optional
7.	VPA 511	Parasites of Wildlife	1 + 1 = 2	Optional
		Total	4 + 2 = 6	
Semester – III				
1.	VPA 591	Masters Seminar	1 + 0 = 1	Core
2.	VPA 599	Masters Research	0 + 10 = 10	Core
3.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
4.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
5.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
6.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
7.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 12 = 16	
Semester – IV				
1.	VPA 599	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Microbiology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VMC 501	General Bacteriology	2 + 1 = 3	Core
2.	VMC 503	General Virology	2 + 1 = 3	Core
3.	VMC 508	Techniques in Microbiology	0 + 2 = 2	Optional
4.	VMC 509	Techniques in Molecular Microbiology	1 + 2 = 3	Optional
		Total	4 + 2 = 6	
Semester – II				
1.	VMC 502	Systematic Veterinary Bacteriology	2 + 1 = 3	Optional
2.	VMC 504	Systematic Veterinary Virology	2 + 1 = 3	Optional
3.	VMC 505	Principles of Veterinary Immunology	2 + 1 = 3	Core
4.	VMC 506	Veterinary Mycology	1 + 1 = 2	Core
		Total	3 + 2 = 5	
Semester – III				
1.	VMC 507	Vaccinology	2 + 0 = 2	Optional
2.	VMC 510	Molecular Immunology	1 + 1 = 2	Optional
3.	VMC 511	Mucosal Immunology	1 + 0 = 1	Optional
4.	VMC 512	Introduction to Microbial Bioinformatics	1 + 0 = 1	Optional
5.	VMC 591	Master's Seminar	1 + 0 = 1	Core
6.	VMC 599	Master's Research	0 + 10 = 10	Core
7.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
8.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
9.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
10.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
11.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 12 = 16	
Semester – IV				
1.	VMC 599	Master's Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Pathology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	VPL 501	General Pathology	2 + 1 = 3	Core
2.	VPL 502	Techniques in Pathology	0+ 2 = 2	Core
3.	VPL 503	Animal Oncology	1+ 1 = 2	Core
4.	VPL 504	Clinical Pathology	1 + 1 = 2	Core
		Total	4 + 5 = 9	
Semester - II				
1.	VPL 505	Necropsy Procedures and Interpretations	0 + 1 = 1	Core
2.	VPL 506	Necropsy Conference	0 + 1 = 1	Core
3.	VPL 507	Systemic Pathology	2 + 1 = 3	Core
4.	VPL 508	Pathology of Infectious Diseases of Domestic Animals	2 + 1 = 3	Core
		Total	4 + 4 = 8	
Semester - III				
1.	VPL 509	Toxicopathology	2 + 1 = 3	Optional
2.	VPL 510	Avian Pathology	2 + 1 = 3	Core
3.	VPL 511	Pathology of Wild/ Zoo and Aquatic Animal Diseases	2 + 1 = 3	Optional
4.	VPL 512	Pathology of Laboratory Animal Diseases	2 + 1 = 3	Optional
5.	VPL 591	Master's Seminar	1 + 0 = 1	Core
6.	VPL 599	Masters Research	0 + 10 = 10	Core
7.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
8.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
9.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
10.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
11.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	6 + 13 = 19	
Semester - IV				
1.	VPL 599	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Public Health
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VPE 501	Concepts in Veterinary Public Health and One Health	2 + 0 = 2	Core
2.	VPE 502	Zoonoses - I	2 + 1 = 3	Core
3.	VPE 503	Zoonoses - II	2 + 1 = 3	Core
4.	VPE 505	Hygiene and Safety of Foods of Animal and Aquatic Origin	2 + 1 = 3	Core
		Total	8 + 3 = 11	
Semester – II				
1.	VPE 504	Principles of Epidemiology	2 + 1 = 3	Core
2.	VPE 506	Food-borne Infections and Intoxications	2 + 1 = 3	Optional
3.	VPE 508	Environmental Hygiene and Safety	2 + 1 = 3	Optional
4.	VPE 509	Applied Epidemiology	2 + 1 = 3	Optional
		Total	2 + 1 = 3	
Semester – III				
1.	VPE 507	Food Safety Standards, and Regulations	2 + 1 = 3	Optional
2.	VPE 510	Biosecurity, Bioterrorism and Disaster Management	2 + 0 = 2	Optional
3.	VPE 511	Laboratory Techniques in Veterinary Public Health	0 + 3 = 3	Core
4.	VPE 591	Masters Seminar	1 + 0 = 1	Core
5.	VPE 599	Masters Research	0 + 10 = 10	Core
6.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
7.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
8.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
9.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
10.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 15 = 19	
Semester – IV				
1.	VPE 599	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Animal Nutrition
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	ANN 601	Nutritional Biochemistry	1 + 0 = 1	Core
2.	ANN 602	Energy and Protein Nutrition	2 + 0 = 2	Core
3.	ANN 603	Minerals and Vitamin Nutrition and Feed Additives	2 + 1 = 3	Core
4.	ANN 604	Feed and Fodder Technology	1 + 1 = 2	Core
5.	ANN 605	Ruminant Nutrition	2 + 1 = 3	Core
		Total	8 + 3 = 11	
Semester - II				
1.	ANN 606	Non-Ruminant Nutrition	2 + 1 = 3	Core
2.	ANN 607	Research Methodology in Animal Nutrition	0 + 2 = 2	Core
3.	ANN 608	Companion Animal Nutrition	1 + 0 = 1	Optional
4.	ANN 609	Nutrition of Laboratory, Wild and Zoo Animals	2 + 1 = 3	Optional
5.	ANN 610	Non-Conventional Feed Resources	1 + 1 = 2	Optional
6.	ANN 611	Introductory Clinical Nutrition	1 + 0 = 1	Optional
7.	ANN 612	Rumen Biotechnology	1 + 0 = 1	Optional
		Total	2 + 3 = 5	
Semester - III				
1.	ANN 691	Masters Seminar	0 + 1 = 1	Core
2.	ANN 699	Masters Research	0 + 10 = 10	Core
3.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
4.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
5.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
6.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
7.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	3 + 13 = 16	
Semester - IV				
1.	ANN 699	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Animal Genetics and Breeding
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	AGB 601	Animal Cytogenetics and Immunogenetics I	2 + 1 = 3	Core
2.	AGB 602	Molecular Genetics I	2 + 1 = 3	Core
3.	AGB 603	Population and Quantitative Genetics	2 + 1 = 3	Core
4.	AGB 604	Selection Method and Breeding System	2 + 1 = 3	Core
		Total	8 + 4 = 12	
Semester - II				
1.	AGB 605	Biometrical Genetics I	2 + 1 = 3	Core
2.	AGB 606	Conservation of Animal Genetics Resources	2 + 0 = 2	Optional
3.	AGB 607	Cattle and Buffalo Breeding	2 + 1 = 3	Optional
4.	AGB 608	Sheep and Goat Breeding	2 + 0 = 2	Optional
5.	AGB 609	Poultry Breeding	2 + 1 = 3	Optional
6.	AGB 610	Laboratory Animal and Rabbit Breeding	2 + 0 = 2	Optional
7.	AGB 611	Swine Breeding	1 + 0 = 1	Optional
8.	AGB 612	Pet Animal Breeding (Dogs and Cats)	1 + 0 = 1	Optional
9.	AGB 613	Wild Animal Genetics and Breeding	1 + 0 = 1	Optional
10.	AGB 614	Equine Breeding	1 + 0 = 1	Optional
11.	AGB 615	Camel Breeding	1 + 0 = 1	Optional
12.	AGB 616	Yak and Mithun Breeding	1 + 0 = 1	Optional
13.	AGB 617	Statistical Methods in Animal Breeding	2 + 1 = 3	Optional
		Total	2 + 1 = 3	
Semester - III				
1.	AGB 691	Masters Seminar	1 + 0	Core
2.	AGB 699	Masters Research	0 + 14	Core
3.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
4.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
5.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
6.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
7.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 16 = 20	
Semester - IV				
1.	AGB 699	Masters Research	0 + 16 = 16	Core
		Total	0 + 16 = 16	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Livestock Production and Management
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	LPM 601	Cattle and Buffalo Production Management	2 + 1 = 3	Core
2.	LPM 602	Sheep and Goat Production Management	2 + 1 = 3	Core
3.	LPM 603	Swine Production Management	1 + 1 = 2	Core
		Total		
Semester – II				
1.	LPM 604	Climatology and Livestock Production	1 + 1 = 2	Core
2.	LPM 605	Behaviour and Welfare of Farm Animals	1 + 1 = 2	Core
3.	LPM 606	Equine Production Management	1 + 1 = 2	Core
4.	LPM 607	Companion Animal Production Management	1 + 1 = 2	Core
		Total		
Semester – III				
1.	LPM 691	Masters Seminar	1 + 0 = 1	Core
2.	LPM 699	Masters Research	0 + 10 = 10	Core
3.	LPM 608	Farm Hygiene and Waste Management	1 + 1 = 2	Optional
4.	LPM 609	Integrated Livestock Farming Systems	1 + 1 = 2	Optional
5.	LPM 610	Management and Conservation of Wild and Zoo Animals	1 + 1 = 2	Optional
6.	LPM 611	Laboratory Animal Production Management	1 + 1 = 2	Optional
7.	LPM 612	Livestock Business Management	1 + 1 = 2	Optional
8.	LPM 613	Livestock Farm Machinery Management	0 + 2 = 2	Optional
9.	LPM 614	Poultry Farm and Hatchery Management	1 + 1 = 2	Optional
10.	LPM 615	Regional Animal Production Management	1 + 1 = 2	Optional
11.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
12.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
13.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
14.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
15.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 12 = 16	
Semester – IV				
1.	LPM 699	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Livestock Products Technology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	LPT 601	Abattoir Practices and Meat Plant Operations	2 + 1 = 3	Core
2.	LPT 602	Fresh Meat Technology	1 + 1 = 2	Core
3.	LPT 603	Processing and Preservation of Meat	2 + 1 = 3	Core
		Total	5 + 3 = 8	
Semester - II				
1.	LPT 604	Processing of Milk and Milk Products	1 + 1 = 2	Core
2.	LPT 605	Packaging and Marketing of Livestock Products	1 + 1 = 2	Core
3.	LPT 606	Microbiology and Quality Control of Livestock Products	1 + 1 = 2	Core
		Total	3 + 3 = 6	
Semester - III				
1.	LPT 607	Slaughterhouse By-products Technology	1 + 1 = 2	Core
2.	LPT 691	Masters Seminar	1 + 0 = 1	Core
3.	LPT 699	Masters Research	0 + 10 = 10	Core
4.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
5.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
6.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
7.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
8.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	5 + 13 = 18	
Semester - IV				
1.	LPT 699	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Animal Reproduction, Gynaecology and Obstetrics
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VGO 501	General Gynaecology	2 + 1 = 3	Core
2.	VGO 502	Female Infertility in Farm Animals	2 + 1 = 3	Core
3.	VGO 507	Clinical Practice-I	0 + 3 = 3	Core
		Total	4 + 5 = 9	
Semester – II				
1.	VGO 503	Veterinary Obstetrics	2 + 1 = 3	Core
2.	VGO 504	Andrology and Male Infertility	2 + 1 = 3	Core
3.	VGO 508	Clinical Practice-II	0 + 3 = 3	Core
4.	VGO 590	Special Problem	0 + 1 = 1	Optional
5.	VGO 505	Semen Preservation and Artificial Insemination	2 + 1 = 3	Optional
		Total	4 + 5 = 9	
Semester – III				
1.	VGO 506	Basics of Reproductive Biotechnology	2 + 1 = 3	Core
2.	VGO 591	Masters Seminar	1 + 0 = 1	Core
3.	VGO 599	Masters Research	0 + 10 = 10	Core
4.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
5.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
6.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
7.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
8.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	6 + 13 = 19	
Semester – IV				
1.	VGO 591	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Surgery and Radiology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.	VSR 501	Clinical Practice - I	0 + 3 = 3	Core
2.	VSR 503	Principles of Surgery	2 + 1 = 3	Core
3.	VSR 504	Anaesthesia and Analgesia	2 + 1 = 3	Core
		Total	4 + 5 = 9	
Semester – II				
1.	VSR 502	Clinical Practice - II	0 + 3 = 3	Core
2.	VSR 505	Diagnostic Imaging Techniques	2 + 1 = 3	Core
3.	VSR 510	Ophthalmology	1 + 1 = 2	Optional
		Total	3 + 4 = 7	
Semester – III				
1.	VSR 507	Orthopaedic Surgery	2 + 1 = 3	Core
2.	VSR 591	Masters Seminar	1 + 0 = 1	Core
3.	VSR 591	Masters Research	0 + 10 = 10	Core
4.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
5.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
6.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
7.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
8.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	6 + 13 = 19	
Semester – IV				
1.	VSR 591	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary Medicine
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester – I				
1.				
2.				
3.				
		Total		
Semester – II				
1.				
2.				
3.				
		Total		
Semester – III				
1.				
2.				
3.				
	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total		
Semester – IV				
1.				
		Total		

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary and Animal Husbandry Extension
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	EXT 601	Development perspectives of Extension Education	2 + 1 = 3	Core
2.	EXT 602	Communication for Livestock Development	1 + 1 = 2	Core
3.	EXT 603	Diffusion and Adoption of Innovations	2 + 1 = 3	Core
4.	EXT 604	Programme Planning and Evaluation	1 + 1 = 2	Core
5.	EXT 610	Farm Journalism	1 + 1 = 2	Optional
		Total	6 + 4 = 10	
Semester - II				
1.	EXT 605	Research Methodology	2 + 1 = 3	Core
2.	EXT 606	Social Psychology and Group Dynamics	2 + 1 = 3	Core
3.	EXT 608	Human Resource Management in Animal Husbandry Sector	1 + 1 = 2	Core
4.	SSS 600	Statistics for Social Sciences	1 + 1 = 2	Core
5.	EXT 609	Gender Empowerment and Livestock Development	1 + 0 = 1	Optional
		Total	6 + 4 = 10	
Semester - III				
1.	EXT 607	Livestock Entrepreneurship	1 + 2 = 3	Optional
2.	EXT 611	Masters Seminar	1 + 0 = 1	Core
3.	EXT 612	Masters Research	0 + 10 = 10	Core
4.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
5.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
6.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
7.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
8.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 12 = 16	
Semester - IV				
1.	EXT 612	Masters Research	0 + 20 = 20	Core
		Total	0 + 20 = 20	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Veterinary and Animal Husbandry Extension
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.	PSC-602	Poultry Nutrition and Feeding	2 + 1 = 3	Core
2.	PSC-603	Commercial Layer and Broiler Management	2 + 1 = 3	Core
3.	PSC-604	Breeder Stock and Hatchery Management	2 + 1 = 3	Core
4.	PSC-605	Poultry Health and Biosecurity	2 + 1 = 3	Optional
5.	PSC-606	Management of Other Avian Species	3 + 1 = 4	Optional
6.	PSC-609	Physiology of Poultry Production	1 + 1 = 2	Core
		Total	12 + 6 = 18	
Semester - II				
1.	PSC-601	Poultry Breeding and Genetics	2 + 1 = 3	Core
2.	PSC-607	Poultry Products Technology	2 + 1 = 3	Core
3.	PSC-608	Poultry Economics, Project Formulation and Marketing	2 + 1 = 3	Optional
4.	PSC-610	Commercial Poultry Nutrition	1 + 1 = 2	Optional
5.	PSC-611	Poultry Welfare and Waste Management	2 + 0 = 2	Optional
		Total	9 + 4 = 13	
Semester - III				
1.	PSC-691	Masters Seminar	1 + 0 = 1	Core
	PSC-699	Masters Research	0 + 14 = 14	Core
2.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
3.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
4.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
5.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
6.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total	4 + 16 = 20	
Semester - IV				
1.	PSC-699	Masters Research	0 + 16 = 16	Core
		Total	0 + 16 = 16	

Maharashtra Animal and Fishery Sciences University, Nagpur
Department of Animal Biotechnology
M.V.Sc. Semester-wise Course Programme

Sr. No.	Course No.	Title of the Course	Credits	Core / Optional Course
Semester - I				
1.				
2.				
3.				
4.				
5.				
6.				
		Total		
Semester - II				
1.				
2.				
3.				
4.				
5.				
		Total		
Semester - III				
1.				
2.	PGS 601	Technical Writing and Communications Skills	1 + 0 = 1	Core
3.	PGS 602	Agricultural Research, Research Ethics and Rural Development Programmes	1 + 0 = 1	Core
4.	PGS-603	Basic concepts in laboratory techniques	0 + 1 = 1	Core
5.	PGS 604	Intellectual Property and its management in Agriculture	1 + 0 = 1	Core
6.	PGS 605	Library and Information Services	0 + 1 = 1	Core
		Total		
Semester - IV				
1.				
		Total		