



OFFICE OF DIRECTORATE OF RESIDENT INSTRUCTION-CUM-
DEAN, POST GRADUATE STUDIES
BIHAR ANIMAL SCIENCES UNIVERSITY
BIHAR VETERINARY COLLEGE CAMPUS, PATNA - 14

Prof. (Dr.) Veer Singh

Ph.D., FIAVP, FNAVS, FNABS, FIAAVR

DRI-cum-DEAN, PGS

L. No.: 384/DRI-cum-DEAN, PGS/BASU, Patna

Dated: 31/08/2021

Notice

It is informed to all the Post Graduates students of Bihar Veterinary College, Patna that the following courses shall be offered during Upcoming Semester 2020-21, as given below.

Department of Livestock Production Management

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	LPM-603	Swine Production and Management	1+1=2	Dr. A. Kishor Dr. R. K. Nirala
2.	LPM-604	Laboratory Animal Production and Management	1+1=2	Dr. R. R. K. Sinha Dr. R. K. Nirala
3.	LPM-606	Principles of Environmental Hygiene and Waste Management	2+0=2	Dr. Sanjay Kumar Dr. A. Kishor
4.	LPM-608	Poultry Farm and Hatchery Management	2+1=3	Dr. S. P. Sahu Dr. Sanjay Kumar
5.	LPM-609	Farm Animal Behaviour	1+0=1	Dr. S. P. Sahu Dr. R. R. K. Sinha
6.	LPM-611	Equine Production and Management	1+1=2	Dr. R. K. Nirala Dr. S. P. Sahu
7.	LPM-612	Wild Life Management and Conservation	2+0=2	Dr. R. R. K. Sinha Dr. A. Kishor
8.	LPM-691	Credit Seminar	1+0=1	Dr. S. P. Sahu
Ph. D. Courses				
1.	LPM-702	Advances in Sheep and Goat Production and Management	2+1=3	Dr. R. K. Nirala Dr. S. P. Sahu
2.	LPM-703	Advances in Swine Production and Management	2+1=3	Dr. S. P. Sahu Dr. R. R. K. Sinha
3.	LPM-704	Advances in Laboratory Animal Production and Management	1+0=1	Dr. R. R. K. Sinha Dr. R. K. Nirala
4.	LPM-706	Advances in Environmental Management	1+1=2	Dr. S. P. Sahu Dr. R. K. Nirala
5.	LPM-791	Doctoral Seminar-I	1+0=1	Dr. S. P. Sahu

Department of Veterinary Medicine

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VCM-602	Ruminant Clinical Medicine-II	2+0=2	Dr. Ranveer Kr. Sinha*, Dr. Arvind Kumar Das
2.	VCM-604	Canine and Feline Clinical Medicine	2+0=2	Dr. Pallav Shekhar*, Dr. Bipin Kumar
3.	VCM-605	Swine Clinical Medicine	1+0=1	Dr. Anil Kumar*
4.	VCM-609	Production Diseases	2+0=2	Dr. Bipin Kumar*, Dr. Vivek Kumar Singh
5.	VCM-611	Veterinary Forensic Medicine	1+1=2	Dr. Sonam Bhatt*, Dr. Ranveer Kumar Sinha
6.	VCM-613	Veterinary Emergency Medicine	0+2=2	Dr. Arvind kumar Das*, Dr. Bipin Kumar
7.	VCM-615	Clinical Practice II	0+3=3	Dr. Vivek Kumar Singh*, Dr. Anil Kumar, Dr. Sonam Bhatt
Ph. D. Courses				
1.	VCM-704	Advances in Endocrine and Dermatological Disorders	2+0=2	Dr. Pallav Shekhar*, Dr. Arvind Kumar Das
2.	VCM-705	Advances in Production Diseases	2+0=2	Dr. Arvind kumar Das*, Dr. Bipin Kumar
3.	VCM-710	Advanced Clinical Practice II	0+2=2	Dr. Pallav Shekhar*, Dr. Bipin Kumar
4.	VCM-790	Special Problem	0+2=2	Dr. Bipin Kumar*
5.	VCM-791	Doctoral Seminar I	1+0=1	Dr. Bipin Kumar*
6.	VCM-792	Doctoral Seminar II	1+0=1	Dr. Bipin Kumar*

Department of Animal Nutrition

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	ANN - 601	Animal Nutrition - Energy and Protein	3+0 = 3	Dr. Kaushalendra Kumar Dr. Pramod Kumar
2.	ANN - 602	Animal Nutrition - Minerals, Vitamins and Feed Additives	3+1 = 4	Dr. Kaushalendra Kumar Dr. Pramod Kumar
3.	ANN - 604	Feed Conservation, Storage and Quality Control	2+2 = 4	Dr. Pankaj Kumar Singh Dr. Chandramoni
4.	ANN - 605	Ruminant Nutrition	2+1 = 3	Dr. Sanjay Kumar Dr. Pramod Kumar
5.	ANN - 606	Non-Ruminant Nutrition	1+1 = 2	Dr. Pankaj Kumar Singh Dr. Sanjay Kumar
6.	ANN - 607	Nutrition of Companion / Laboratory Wild Zoo Animals	2+1 = 3	Dr. Sanjay Kumar Dr. Pankaj Kumar Singh
7.	ANN - 608	Research Techniques in Animal Nutrition	1+3 = 4	Dr. Chandramoni Dr. Kaushalendra Kumar

Ph. D. Courses				
1.	ANN – 704	Advances in Micronutrients	1+0 = 1	Dr. Pankaj Kumar Singh Dr. Chandramoni
2.	ANN – 705	Advanced Techniques Nutrition and Research	1+2 = 3	Dr. Kaushalendra Kumar Dr. Sanjay Kumar
3.	ANN – 706	Advances in Feed Technology	1+1 = 2	Dr. Sanjay Kumar Dr. Kaushalendra Kumar
4.	ANN – 707	Clinical Nutrition	1+1 = 2	Dr. Chandramoni Dr. Pankaj Kumar Singh

Department of A.H. Extension Education

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	AHE- 602	Communication for livestock development	1+1=2	Dr. Pankaj Kumar Dr. Saroj K. Rajak
2.	AHE- 604	Extension Techniques and Audio Visual Aids	2+1=3	Dr. Saroj K. Rajak Dr. Puspendra Kumar Singh
3.	AHE- 605	Animal Husbandry Programme Planning and Evaluation	2+1=3	Dr. Pankaj Kumar Dr. Saroj K. Rajak
4.	AHE-607	Social Psychology and Group Dynamics	2+1=3	Dr. Saroj K. Rajak Dr. Pankaj Kumar
5.	AHE-610	Human Resource Management in Animal Husbandry Sector	2+1=3	Dr. Puspendra Kumar Singh Dr. Pankaj Kumar
6.	AHE-611	Gender and Livestock Development	1+0=1	Dr. Saroj K. Rajak Dr. Pankaj Kumar
7.	AHE-691	Credit Seminar	1+0=1	Dr. Pankaj Kumar
Ph. D. Courses				
1.	AHE-705	Policies and regulations in livestock sector	2+0=2	Dr. Pankaj Kumar
2.	AHE-706	Educational Technology	2+1=3	Dr. Pankaj Kumar
3.	AHE-707	Dynamics of change	2+0=2	Dr. Pankaj Kumar
4.	AHE-791	Credit Seminar	1+0=1	Dr. Pankaj Kumar
5.	AHE-799	PhD Research	0+9=9	Dr. Pankaj Kumar

Department of Veterinary Biochemistry

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VBC- 604	Biochemistry of Biomolecules: Carbohydrates, Lipids and Membrane's Structure	2+0=2	Dr. Ajeet Kumar Dr. Anil Gattani
2.	VBC-605	Enzyme Catalysis, Kinetics, Inhibition and Regulation	2+0=2	Dr. Anil Gattani Dr. Ajeet Kumar
3.	VBC 610	Clinical Biochemistry of Animals	2+1=3	Dr. Anil Gattani Dr. Ajeet Kumar
4.	VBC-699	Master Research	10	Dr. Ajeet Kumar

Department of Veterinary Gynaecology & Obstetrics

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VOG-602	Female Infertility	3+1=4	Dr. D. Sengupta* Dr. S. K. Sheetal Dr. Bhavna
2.	VOG-604	Andrology & male Infertility	3+1=4	Dr. Alok Kumar* Dr. S. K. Sheetal Dr. Ankesh Kumar Dr. J. K. Prasad
3.	VOG- 608	Clinical Practice- II	0+3=3	Dr. Bhavna* Dr. D. Sengupta Dr. Dushyant
4.	VOG-602	Female Infertility	3+1=4	Dr. D. Sengupta* Dr. S. K. Sheetal Dr. Bhavna
Ph. D. Courses				
1.	VOG- 703	Advance in Andrology	2+1=3	Dr. S. K. Sheetal* Dr. Ankesh Kumar Dr. D. Sengupta
2.	VOG- 707	Clinical Practice-II	0+3=3	Dr. D. Sengupta* Dr. Bhavna Dr. S. K. Sheetal
3.	VOG- 799	Doctoral Research	9	-

Department of Animal Genetics and Breeding

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	AGB- 602	Molecular Genetics in Animal Breeding	2 + 1=3	Dr. Birendra Kumar, Dr. Suchit Kumar
2.	AGB- 603	Population and Quantitative Genetics in Animal Breeding	2 + 1=3	Dr. R. K. Singh, Dr. K. G. Mandal
3.	AGB- 604	Selection Methods and Breeding Systems	3 + 1=4	Dr. Birendra Kumar, Dr. K. G. Mandal
4.	AGB- 605	Biometrical Techniques in Animal Breeding	3 + 1=4	Dr. R. K. Singh, Dr. Suchit Kumar
5.	AGB- 608	Small Farm Animal Breeding (Sheep, Goat, Swine and Rabbit)	2 + 0=2	Dr. R. K. Singh, Dr. K. G. Mandal
6.	AGB- 609	Poultry Breeding	2 + 1=3	Dr. Birendra Kumar, Dr. K. G. Mandal
7.	AGB- 699	Master's Research		Dr. Birendra Kumar, Dr. R. K. Singh

Ph. D. Courses				
1.	AGB- 702	Recent Trends in Animal Breeding	2+1=3	Dr. Birendra Kumar
2.	AGB- 703	Advances in Biometrical Genetics	2+1=3	Dr. R. K. Singh
3.	AGB- 705	Bioinformatics in Animal Genetics and Breeding	2+0=2	Dr. Birendra Kumar
4.	AGB- 707	Utilisation in Non-additive Genetic Variance in Farm Animals	2+1=2	Dr. R. K. Singh

Department of Veterinary Anatomy

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VAN - 601	Comparative Osteology & Arthrology	1+2 = 3	Dr. S.K. Bharti Dr. A.K. Gautam
2.	VAN - 602	Comparative Splanchnology	2+2 = 4	Dr. M.K. Singh Dr. M.K. Sinha
3.	VAN - 606	Gross Histology and Ultrastructure	3+1 = 4	Dr. M.K. Sinha Dr. N.K. Singh
4.	VAN - 607	Systemic Histology and Ultrastructure	3+1 = 4	Dr. A.K. Gautam Dr. S.K. Bharti
5.	VAN - 691	Master's seminar	1+0 = 1	Concerned Advisor
6.	VAN - 699	Master's research	20	Concerned Advisor
Ph.D. Courses				
1.	VAN - 701	Myology, Angiology, Neurology and Aesthesiology of Equine, Canine and Procine.	0+3 = 3	Dr. S.K. Bharti
2.	VAN - 704	Neuroanatomy	3+1 = 4	Dr. M.K. Sinha
3.	VAN - 705	Endocrine Anatomy	2+1 = 3	Dr. A.K. Gautam
4.	VAN - 706	Theory and Application of Electron Microscope.	2+1 = 3	Dr. A.K. Gautam Dr. S.K. Bharti
5.	VAN - 708	Applied Embryology and Teratology	1+2 = 3	Dr. S.K. Bharti Dr. M.K. Sinha
6.	VAN - 791	Doctorial Seminar I	1+0 = 1	Concerned Major Advisor
7.	VAN - 792	Doctorial Research	20	Concerned Major Advisor

Department of Livestock Products Technology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	LPT-601	Fresh Meat Technology	1+1=2	Dr. R. K. Jaiswal
2.	LPT- 604	Egg and Egg Products Technology	1+1=2	Dr. Sushma Kumari
3.	LPT-605	Abattoir and poultry processing plant practices	1+1=2	Dr. Sushma Kumari
4.	LPT-606	Slaughter House By- Products Technology	2+1=3	Dr. Sushma Kumari
5.	LPT-607	Processing and Marketing of Wool	2+1=3	Dr. Gargi Mahapatra
6.	LPT-611	Biotechnology of Foods of Animal Origin	1+1=2	Dr. Sushma Kumari
7.	LPT-691	Master 's (Credit) Seminar	1+0=1	Dr. Sushma Kumari
Ph. D. Courses				
1.	LPT-702	Advances in Fresh and Processed meat products Technology	3+1=4	Dr. Sushma Kumari
2.	LPT-703	Advances in Poultry Products Technology	2+1=3	Dr. Sushma Kumari
3.	LPT-705	Advances in quality control of Livestock Products	2+0=2	Dr. Sushma Kumari
4.	LPT-706	Biotechnological Techniques and Processes in Animal Products	1+1=2	Dr. Sushma Kumari
5.	LPT-791	Doctoral Seminar I	1+0=1	Dr. Sushma Kumari

Department of Veterinary Physiology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VPY-601	Physiology of Digestion	2+1=3	Dr. Pramod Kumar
2.	VPY 602	Cardiovascular and Respiratory Physiology	2+1=3	Dr. Pramod Kumar
3.	VPY-603	Renal Physiology and body fluid Dynamics	2+1=3	Dr. Pramod Kumar
4.	VPY-605	Vitamins and Minerals in Animal Physiology	2+1=3	Dr. Pramod Kumar
5.	VPY-691	Masters Seminar	1+0=1	Dr. Pramod Kumar
6.	VPY-699	Masters Research	11	Dr. Pramod Kumar

Department of Veterinary Parasitology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VPA-607	Trends in control of livestock and poultry parasites	1+1= 2	Dr. Panakj Kumar Dr. Ajit Kumar Dr. R. K. Sharma
2.	VPA-609	Parasitic zoonoses	2+0= 2	Dr. R. K. Sharma Dr. Ajit Kumar Dr. Pankaj Kumar
3.	VPA-610	Parasites of zoo and wild animals	2+1=3	Dr. Ajit Kumar Dr. Pankaj Kumar Dr. R. K. Sharma
4.	VPA- 691	Master's seminar	1+0 =1	Dr. Ajit Kumar
Ph. D. Courses				
1.	VPA- 709	Emerging and re-emerging parasitic diseases	2+0 =2	Dr. Panakj Kumar Dr. Ajit Kumar
2.	VPA -710	Bionomics of parasites	3+0 =3	Dr. Ajit Kumar Dr. Pankaj Kumar

Department of Veterinary Surgery & Radiology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VSR-609	Large Animal Soft Tissue Surgery	2+1=3	Dr. Mithilesh Kumar DR. Arachna Kumari
2.	VSR -605	Large Animal Anaesthesia	2+1=3	Dr. Gyandev Singh Dr. Ramesh Tiwary
3.	VSR-607	Clinical Practice-II	2+1=3	Dr. Arachna Kumari Dr. Mithilesh Kumar
4.	VSR-610	Orthopaedics and Limb Surgery	2+1=3	Dr. Ramesh Tiwary Dr. Gyandev Singh
Ph. D. Courses				
1.	VSR-702	Clinical Surgical Practice - II	0+2=2	Dr. Rajesh Kumar DR. Mithilesh Kumar
2.	VSR -706	Advances in Diagnostic Imaging Technique	2+1=3	Dr. Rajesh Kumar Dr. Mithilesh Kumari
3.	VSR-704	Anaesthesia of Wild and Laboratory Animals	1+1=2	Dr Ramesh Tiwary Dr Archana Kumari

Department of Veterinary Microbiology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VMC- 605	Systematic Animal Virology	3+1=4	Dr Manoj Kumar Dr Savita Kumari
2.	VMC- 606	Principles of Immunology	2+1=3	Dr Sudha Kumari Dr Pankaj Kumar
3.	VMC- 607	Vaccinology	2+0=2	Dr. Manoj Kumar Dr Savita Kumari
4.	VMC- 608	Diagnostics of infectious diseases	1+2=3	Dr Pankaj Kumar Dr Sudha Kumari
5.	VMC- 609	Techniques in Microbiology and Immunology	0+3=3	Dr Manoj Kumar Dr Savita Kumari
6.	VMC- 691	Credit Seminar	1+0=1	Dr. Pankaj Kumar Dr Manoj Kumar
Ph. D. Courses				
1.	VMC- 714	Advances in Vaccinology	2+0=2	Dr Pankaj Kumar Dr. Manoj Kumar
2.	VMC- 705	Molecular determinants of bacterial Pathogenesis	2+1=3	Dr. Manoj Kumar Dr Pankaj Kumar
3.	VMC- 708	Structure function relationship of DNA and RNA viruses	3+0=3	Dr. Manoj Kumar Dr Pankaj Kumar
4.	VMC- 711	Molecular Immunology	2+1=3	Dr Pankaj Kumar Dr. Manoj Kumar

Department of Veterinary Pathology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VPP- 610	Avian Pathology	2+1=3	Dr.Sanjiv Kumar Dr. Deepak Kumar
2.	VPP- 608	Pathology of Infectious Diseases of Domestic Animals	2+1=3	Dr. Kaushal Kumar Dr.Imran Ali
3.	VPP- 611	Pathology of Laboratory Animals, Fish And Wild Animals	2+1=3	Dr. Deepak Kumar Dr. Sanjiv Kumar
4.	VPP- 612	Veterolegal Pathology	1+0=1	Dr. Imran Ali Dr.Kaushal Kumar
5.	VPP- 691	Master's Seminar	1+0=1	-
6.	VPP- 605	Necropsy Procedures and Interpretations –I	0+1=1	Dr. Deepak Kumar Dr. Imran Ali
Ph. D. Courses				
1.	VPP- 703	Advances in Diagnostic Pathology	1+2=3	Dr. Deepak Kumar Dr. Sanjiv Kumar
2.	VPP- 705	Immunopathology	2+1=3	Dr Kaushal. Kumar Dr.Sanjiv Kumar
3.	VPP- 709	Molecular Pathology of Cell Injury	2+1=3	Dr Imran Ali, Dr. Deepak Kumar

Department of Veterinary Public Health

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VPH – 606	Food-borne infections and Intoxications	2+1=3	Dr. P. Kaushik, Dr. Anjay Dr. Bhoomika
2.	VPH – 607	Meat and Milk Hygiene	2+1=3	Dr. Anjay, Dr. Bhoomika Dr. P. Kaushik
3.	VPH – 608	Environmental Pollution and Safety	3+1=4	Dr. Bhoomika, Dr. P. Kaushik, Dr. Anjay
4.	VPH – 609	Fish, fish products and seafood hygiene	1+1=2	Dr. P. Kaushik, Dr. Anjay Dr. Bhoomika
5.	VPH – 610	Bioterrorism and disaster Management	1+0=1	Dr. Bhoomika, Dr. P. Kaushik
6.	VPH – 691	Master's Seminar	1+0=1	Dr. Anjay, Dr. Bhoomika
7.	VPH – 699	Master's Research		
Ph. D. Courses				
1.	VPH – 705	Disposal and recycling of waste	2+1=3	Dr. P. Kaushik, Dr. Anjay, Dr. Bhoomika
2.	VPH – 706	Biohazards, Biosecurity and Disaster Management	2+0=2	Dr. P. Kaushik, Dr. Anjay, Dr. Bhoomika
3.	VPH – 707	Food Plant Sanitation	2+1=3	Dr. P. Kaushik, Dr. Bhoomika, Dr. Anjay
4.	VPH – 708	Advance in Environmental Pollution Control	2+1=3	Dr. Bhoomika, Dr. Anjay Dr. P. Kaushik
5.	VPH – 799	Doctoral Research	--	Major Advisor

Department of Veterinary Pharmacology & Toxicology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M.V. Sc. Courses				
1.	VPT-601	General Pharmacology	2+0=2	Dr. Rashmi Rekha Kumari* Dr. Kumari Anjana
2.	VPT-602	Autonomic and Autacoid Pharmacology	2+1=3	Dr. Nirbhay Kumar* Dr. R.K. Nirala
3.	VPT-603	CNS Pharmacology	2+1=3	Dr. Kumari Anjana* Dr. Rashmi Rekha Kumari
4.	VPT-604	Digestive and Respiratory Pharmacology	2+0=2	Dr. Archana* Dr. Nirbhay Kumar
5.	VPT-605	Cardiovascular and Renal Pharmacology	2+0=2	Dr. R.K. Nirala* Dr. Archana
Ph. D. Courses				
1.	VPT 701	Advances in Neuropharmacology	2+0=2	Dr. Nirbhay Kumar* Dr. Rashmi Rekha Kumari
2.	VPT 702	Autacoid Pharmacology	1+0=1	Dr. Nirbhay Kumar* Dr. Kumari Anjana
3.	VPT 703	Pharmacology of Herbal Drugs	2+1=3	Dr. Kumari Anjana* Dr. Nirbhay Kumar

4.	VPT 704	Drug Metabolism	2+0=2	Dr. Rashmi Rekha Kumari* Dr. Nirbhay Kumar
5.	VPT 708	Immunopharmacology	1+0=1	Dr. Rashmi Rekha Kumari* Dr. Kumari Anjana

Non-credit Compulsory Courses

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
M. Tech. Courses				
1.	PGS-501	Library and information services	0+1=1	Dr. Deepak Kumar, Dr. Imran Ali
2.	PGS-504	Basic Concepts in Laboratory Technique	0+1=1	Dr. Ajeet Kumar Dr. Anil Gattani

Sd. /-

DRI-cum-DEAN, PGS

Memo No.: 31 /DRI-cum-DEAN, PGS/BASU, Patna

Dated: 31/08/2021

Copy forwarded to:

1. The Dean, BVC, Patna for kind information, please.
2. The ICT Advisor, BASU, Patna for uploading to the University Website under DRI-cum-DEAN, PGS "Notice for Students.
3. All HoDs, BVC, Patna for information and necessary action, please.
4. Dr. Imran Ali, PG Coordinator, BVC, Patna for information and necessary action, please.

Nar Singh
31/08/2021
DRI-cum-DEAN, PGS

C.C.: Secretary to Vice Chancellor for kind information of Hon'ble Vice Chancellor, BASU, Patna