



OFFICE OF THE DRI-CUM-DEAN, POST GRADUATE STUDIES  
BIHAR ANIMAL SCIENCES UNIVERSITY  
BIHAR VETERINARY COLLEGE CAMPUS, PATNA.

Dr. Ravindra Kumar  
DRI-cum-Dean, PGS (Additional Charge)

L. No.: 973/DRI/BASU, Patna

Dated: 23/01/2020

Notice

It is informed to all the postgraduates' students of Bihar Veterinary College, Patna that the following courses shall be offered during 2<sup>nd</sup> Semester of Academic Year 2019-20, as given below. All concerned students are advised to get them register on 24/01/2020.

**Department of Animal Nutrition**

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	ANN- 605	Ruminant Nutrition	2+1	Drs. P.K. Singh, Chandramoni
2.	ANN- 606	Non-Ruminant Nutrition	1+1	Drs., Kaushalendra Kumar, Sanjay Kumar
3.	ANN- 607	Nutrition of Companion	2+1	Drs. Sanjay Kumar, Kaushalendra Kumar
4.	ANN- 608	Research Technique in Animal Nutrition	1+3	Drs., Chandramoni, P.K. Singh,

**Department of A.H. Extension Education**

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	PGS- 501	Library and information services	0+1	Dr. Deepak Kumar, VPP
2.	PGS- 502	Technical writing and communication skills	0+1	Drs. Pankaj Kumar, Saroj Kr. Rajak
3.	PGS- 504	Basic concepts in Laboratory Techniques	0+1	Drs. Ajeet Kumar, VBC, Kaushal Kumar, VPP
4.	AHE - 602	Communication for Livestock Development	1+1	Drs. Pankaj Kumar, Saroj Kr. Rajak, Puspendra Kr. Singh
5.	AHE - 605	Animal Husbandry Programme Planning and Evaluation	2+1	Drs. Pankaj Kumar, Puspendra Kr. Singh, Saroj Kr. Rajak
6.	AHE - 606	Research Methodology in Veterinary and Animal Husbandry Extension	2+1	Drs. Puspendra Kr. Singh, Saroj Kr. Rajak, Pankaj Kumar,

7.	AHE – 607	Social Psychology and group dynamics	2+1	Drs. Saroj Kr. Rajak, Pankaj Kumar, Puspendra Kr. Singh
8.	AHE – 691	Master Seminar	1+0	Dr. Pankaj Kumar
9.	AHE – 699	Master Research	9	Dr. Pankaj Kumar

### Department of Veterinary Biochemistry

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VBC – 604	Biochemistry of Biomolecules: Carbohydrates, Lipids and Membrane's Structure	2+0	Drs. Ajeet Kumar, Anil Gattani
2.	VBC – 605	Enzyme Catalysis, Kinetics, Inhibition and Regulation	2+0	Drs. Anil Gattani, Ajeet Kumar
3.	VBC – 606	Metabolism- I: Carbohydrates and Lipids	2+0	Drs. Ajeet Kumar, Anil Gattani
4.	VBC– 609	Central Dogma and Protein Function	2+0	Drs. Anil Gattani, Ajeet Kumar
5.	PGS– 504	Basic Concepts in Laboratory Technique	0+1	Dr. Ajeet Kumar
6.	VBC– 691	Master's Seminar	1+0	Dr. Anil Gattani
7.	VBC– 699	Master Research	10	Dr. Ajeet Kumar

### Department of Veterinary Gynaecology & Obstetrics

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VOG – 602	Female Infertility*	3+1	Drs. C.S. Azad *, Ankesh Kumar, D.Sen Gupta
2.	VOG – 603	Veterinary Obstetrics	2+2	Drs. Ankesh Kumar*, D.Sen Gupta, C.S. Azad
3.	VOG– 606	Reproductive Biotechnology	2+1	Drs. D.Sen Gupta*, Ankesh Kumar, C.S. Azad
4.	VOG– 691	Masters Seminar	1+0	Drs. D.Sen Gupta*, Ankesh Kumar
5.	VOG– 699	Master's Research	15	Drs. C.S. Azad*, D.Sen Gupta

### Ph.D. Courses

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VOG – 799	Doctoral Research	0+12	Dr. J. K. Prasad

### Department of Veterinary Pharmacology & Toxicology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VPT- 607	Chemotherapy	2+1	Drs. Archana, R.K. Nirala
2.	VPT - 609	Toxicology of Plants and Toxins	2+0	Drs. Kumari Anjana, Rashmi Rekha Kumari
3.	VPT - 610	Pharmacological Techniques	1+1	Drs. Nirbhay Kumar, R.K. Nirala
4.	VPT - 612	Ethnopharmacology	2+0	Drs. Rashmi Rekha Kumari, Kumari Anjana,

### Department of Veterinary Medicine

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VCM - 602	Ruminant Clinical Medicine II	2+0	Drs. Anil Kumar, Bipin Kumar
2.	VCM- 604	Canine & Feline Clinical Medicine	2+0	Drs. Pallav Shekhar, Anil Kumar
3.	VCM- 609	Production Diseases	2+0	Drs. Anil Kumar, Bipin Kumar
4.	VCM - 613	Veterinary Emergency Medicine	0+2	Drs. Pallav Shekhar, Ranveer Kumar Sinha
5.	VCM - 615	Clinical Practice II	0+3	Drs. Pallav Shekhar, Ranveer Kumar Sinha, Anil Kumar
6.	VCM - 699	Master's Research	09	Dr. Pallav Shekhar
7.	VCM - 799	Doctoral Research	12	Dr. Pallav Shekhar

### Department of Animal Genetics and Breeding

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	AGB - 602	Molecular Genetics in Animal Breeding	2+1	Drs. R.K. Singh, Birendra Kumar .
2.	AGB- 604	Selection Method and Breeding System	3+1	Drs. Birendra Kumar, R.K. Singh
3.	AGB - 605	Biometrical Technics in Animal Breeding	3+1	Drs. R.K. Singh, Birendra Kumar
4.	AGB- 609	Poultry Breeding	2+1	Drs. Birendra Kumar, R.K. Singh
5.	AGB - 699	Master's Research	20	Drs. R.K. Singh, Birendra Kumar

**Department of Veterinary Anatomy**

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VAN-604	Gross Anatomical Techniques	0+2	Drs. N. K Singh, M. K. Singh
2.	VAN-607	Systemic Histology and Ultrastructure	3+ 1	Drs. N. K. Singh, S. K. Bharti
3.	VAN-605	Theory and Practice of Histological and Histochemical Techniques	1+ 2	Drs. M. K. Singh, M. K. Sinha
4.	VAN-608	Developmental Anatomy	3 +1	Drs. S. K. Bharti, M. K. Sinha

**Department of Livestock Production Technology**

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	LPT - 601	Fresh Meat Technology	1+1	Drs. Sushma Kumari, Rohit Kumar Jaiswal
2.	LPT - 604	Egg and Egg Products Technology	2+1	Drs. Sushma Kumari, Rohit Kumar Jaiswal
3.	LPT - 606	Slaughter House by products Technology	2+1	Drs. Sushma Kumari, Rohit Kumar Jaiswal
4.	LPT - 608	Market Milk Processing and Dairy Plants Practices	2+1	Drs. Sushma Kumari, Rohit Kumar Jaiswal

**Department of Veterinary Physiology**

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

### Department of Livestock Production Management

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	LPM – 603	Swine Production and Management	1+1	Drs. R. K. Nirala, R. R. K. Sinha
2.	LPM – 604	Laboratory Animal Production and Management	1+1	Drs. R. R. K. Sinha, R. K. Nirala,
3.	LPM– 606	Principles of Environmental Hygiene	2+0	Drs. S.P. Sahu, R.K. Nirala
4.	LPM– 608	Poultry Farm and Hatchery Management	2+1	Drs. S.P. Sahu, R.K. Nirala
5.	LPM – 609	Farm Animal Behaviour	1+0	Drs. R.R.K. Sinha, S.P. Sahu
6.	LPM – 611	Equine Production and Management	1+1	Drs. R. K. Nirala, S.P. Sahu
7.	LPM – 691	Credit Seminar	1+0	Drs. S.P. Sahu

### Department of Veterinary Surgery & Radiology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VSR – 603	Clinical Practice II	0+3	Drs. Mithilesh Kumar, Ramesh Tiwary, Archana Kumari, G. D. Singh
2.	VSR – 608	Small Animal Soft Tissue Surgery	2+1	Drs. Archana Kumari, Mithilesh Kumar
3.	VSR – 605	Large Animal Anaesthesia	2+1	Drs. G. D. Singh, Ramesh Tiwary
4.	VSR – 607	Veterinary Ophthalmology and Dentistry	1+1	Drs. G. D. Singh, Archana Kumari, Mithilesh Kumar
5.	VSR – 610	Orthopaedic and Limb Surgery	2+1	Drs. Ramesh Tiwary, Archana Kumari, Mithilesh Kumar
6.	VSR – 691	Master's Seminar	1+0	Major Advisor

### Department of Veterinary Microbiology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VMC 601	Bacteriology-I	3+1	Drs. Pankaj Kumar, Manoj Kumar
2.	VMC 602	Bacteriology-II	3+1	Drs. Sudha Kumari, Savita Kumari

3.	VMC 605	Systematic Animal Virology	3+1	Drs. Manoj Kumar, Savita Kumari
4.	VMC 606	Principles of Immunology	2+1	Drs. Pankaj Kumar, Sudha Kumari
5.	VMC 607	Vaccinology	2+0	Drs. Manoj Kumar, Pankaj Kumar
6.	VMC 609	Techniques in microbiology and immunology	0+3	Drs. Savita Kumari, Sudha Kumari

#### Department of Veterinary Pathology

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VPP-609	Toxicopathology	2+1	Drs. Imran Ali, Sanjiv Kumar
2.	VPP-610	Avian Pathology	2+1	Drs. Imran Ali, Sanjiv Kumar
3.	VPP-605	Necropsy procedure and Interpretation- I	0+1	Drs. Kaushal Kumar, Deepak Kumar
4.	VPP-608	Pathology of Infectious disease of domestic animals	2+1	Drs. Deepak Kumar, Kaushal Kumar
5.	VPP-612	Veterolegal Pathology	1+0	Drs. Sanjiv Kumar, Kaushal Kumar
6.	VPP-699	Master's Research	0+12	Dr Imran Ali
7.	VPP-691	Master's Seminar	1+0	Dr Kaushal Kumar

#### Department of Veterinary Public Health

S. No.	Course No.	Course Title	Credit Hrs.	Instructor's Name
1.	VPH – 606	Food borne infections and Intoxications	2+1	Drs. P. Kaushik, Anjay
2.	VPH – 607	Meat and Milk Hygiene	2+1	Drs. Anjay, P. Kaushik
3.	VPH– 608	Environmental Pollution and Safety	3+1	Drs. P. Kaushik, Anjay
4.	VPH– 609	Fish, Fish Products and Seafood Hygiene	1+1	Drs. Anjay, P. Kaushik
5.	VPH – 610	Bioterrorism and Disaster Management	1+1	Drs. P. Kaushik, Anjay
6.	VPH – 691	Master's Seminar	1+0	Dr. Anjay
7.	VPH – 699	Master's Research	20	Major Advisor