

<b>UG Courses (BVSc &amp; AH)</b>			
<b>S.No.</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Year</b>
<b>1.</b>	<b>Veterinary Physiology</b>	<b>4+1</b>	<b>1<sup>st</sup> professional Year (AS per VCI Regulations, 2016)</b>
<b>2.</b>	<b>Veterinary Biochemistry</b>	<b>2+1</b>	<b>2<sup>nd</sup> professional Year (AS per VCI Regulations, 2016)</b>

## PG Courses:

### MVSc (Vety. Physiology)

S.No.	Course No.	Course Title	Credit Hours	Semester in which offered
<b>M.V.Sc</b>				
1.	VPY-601	Physiology of Digestion	2+1	I
2.	VPY-602	Cardiovascular and Respiratory Physiology	2+1	I
3.	VPY-603	Renal Physiology and Body Fluid Dynamics	2+1	II
4.	VPY-604	Haematology	2+1	I
5.	VPY-605	Vitamins and Mineral in Animal Physiology	2+0	II
6.	VPY-606	Physiology of Animal reproduction	2+1	I
7.	VPY-607	Clinical physiology	2+1	II
8.	VPY-608	Neuromuscular Physiology	2+1	II
9.	VPY-609	Chemical Bio-regulation in Physiological Functions	3+0	II
10.	VPY-610	Research Techniques in Veterinary Physiology	0+2	I
11.	VPY-691	Master's Seminar	1+0	I & II
12.	VPY-699	Master's Research	20	

## MVSc (Vety. Biochemistry)

S.No.	Course No.	Course Title	Credit Hours	Semester in which offered
<b>M.V.Sc</b>				
1.	VBC-601	Chemistry of Animal Cell (I)	2+0	I
2.	VBC-602	Techniques in Biochemistry	0+2	II
3.	VBC-603	Applications of Genomics and Proteomics in Molecular Biology	2+0	II
4.	VBC-604	Biochemistry of Biomolecules: Carbohydrates, Lipids And Membrane Structure	2+0	I
5.	VBC-605	Enzyme Catalysis, Kinetics, Inhibition	2+0	I
6.	VBC-606	Metabolism-I: Carbohydrates & Lipids	2+0	I
7.	VBC-607	Metabolism-II: Nucleic Acids and Amino Acids	2+0	I
8.	VBC-608	Metabolism-III: Integration and Regulation	2+0	I
9.	VBC-609	Central Dogma and Proyein Function	2+0	I
10.	VBC-610	Clinical Biochemistry of Animals	2+1	II
11.	VBC-611	Biochemical basis of Diseases of Domestic Animals	2+0	II
12.	VBC-612	Endocrinology and Reproductive Biochemistry	2+0	II
13.	VBC-613	Biochemical Basis of Animal Production	2+1	II
11.	VBC-691	Master's Seminar	1+0	II
12.	VPY-699	Master's Research	20	

## Ph.D (Vety. Physiology)

<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hrs</b>	<b>Semester in which offered</b>
VPY 701	Applied Physiology of Body Fluids And Electrolytes	2+1	<b>I</b>
VPY 702	Physiology of Animal Behavior	2+0	<b>I</b>
VPY 703	Comparative Physiology of Ruminant Digestion	2+1	<b>I</b>
VPY 704	Advances in Neuro-Endocrinology	2+1	<b>I</b>
VPY 705	Myophysiology and Kinesiology	2+1	<b>I</b>
VPY 706	Avian Physiology	2+1	<b>II</b>
VPY 707	Physiology of Lactation	2+1	<b>II</b>
VPY 708	Advances in Environmental Physiology And growth	2+1	<b>I</b>
VPY 709	Advances in Rumen Microbiology and Metabolism	2+1	<b>II</b>
VPY 710	Advances in Immunophysiology	2+1	<b>II</b>
VPY 711	Physiology of Stress	2+1	<b>II</b>
VPY 790	Special Problem	0+2	<b>II</b>
VPY 791	Doctoral Seminar I	1+0	<b>II</b>
VBY 792	Doctoral Seminar II	1+0	<b>II</b>
VBY 799	Doctoral Research	45	<b>II</b>

## Ph.D (Vety. Biochemistry)

<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hrs</b>	<b>Semester in which offered</b>
VBC 701	Advances in Biochemistry of Ruminant Disorders	2+0	<b>II</b>
	Advances in Enzymology	2+0	<b>I</b>
VBC 703	Advances in Clinical Biochemistry	0+2	<b>II</b>
VBC 704	Membrane Dynamics and Signal Transduction in Animal Cell	2+0	<b>I</b>
VBC 705	Methods in Protein Analysis	2+1	<b>II</b>
VBC 706	Nutritional Biochemistry	2+0	<b>I</b>
VBC 707	Advances in Intermediary Metabolism	2+0	<b>II</b>
VBC 708	Endocrine Control of Fuel Metabolism	2+0	<b>I</b>
VBC 709	Diagnostic Enzymology-I	2+0	<b>I</b>
VBC 710	Diagnostic Enzymology-II	2+0	<b>I</b>
VBC 711	Biochemistry of Development and Differentiation	2+0	<b>II</b>
VBC 712	Advances in Techniques in Biochemistry	1+1	<b>II</b>
VBC 713	Advances in Mineral and Vitamin Metabolism and Related Diseases	2+0	<b>I</b>
VBC 790	Special Problem	0+2	<b>II</b>
VBC 791	Doctoral Seminar I	1+0	<b>II</b>
VBC 792	Doctoral Seminar II	1+0	<b>II</b>
VBC 799	Doctoral Research	45	<b>II</b>