

B.V.Sc. & A.H. Courses

S.No.	Name of the Course	Course No.	Credit Hrs.
1.	Veterinary Physiology-I	VPB-111	3 (2+1)
2.	General Vety. Biochemistry	VPB-112	2 (1+1)
3.	Veterinary Physiology-Ii	VPB-121	3 (2+1)
4.	Veterinary Intermediary Metabolism	VPB-122	3 (2+1)
5.	Veterinary Physiology-Iii	VPB-221	4 (3+1)
6.	Animal Biotechnology	VPB-321	3 (2+1)
7.	Clinical Biochemistry	VBC-411	2 (1+1)

M.V.Sc. Courses (Physiology)

S.No.	Name of the Course	Course No.	Credit Hrs.
1.	Master's Seminar	VPY-600	1
2.	Special Problem	VPY-601	1-2
3.	Cardiovascular And Respiratory Physiology	VPY-602	3 (2+1)
4.	Renal Physiology And Body Fluid Dynamics	VPY-603	3 (2+1)
5.	Haematology	VPY-604	3 (2+1)
6.	Vitamins And Minerals In Animal Physiology	VPY-605	2 (2+0)
7.	Physiology Of Animal Reproduction	VPY-606	3 (2+1)
8.	Clinical Physiology	VPY-607	3 (2+1)
9.	Neuromuscular Physiology	VPY-608	3 (2+1)
10.	Hormones In Animal Production	VPY-609	3 (3+0)
11.	Research Techniques In Veterinary Physiology	VPY-610	2 (0+2)
12.	Physiology of Digestion	VPY-611	3 (2+1)
13.	Master's Research	VPY-690	20

Ph.D. Courses (Physiology)

S. No.	Name of the Course	Course No.	Credit Hrs.
1	Applied Physiology of Body Fluids And Electrolytes	VPY-701	3 (2+1)
2.	Physiology of Animal Behaviour	VPY-702	2 (2+0)
3.	Comparative Physiology of Ruminant Digestion	VPY-703	3 (2+1)
4.	Advances In Neuro-Endocrinology	VPY-704	3 (2+1)
5.	Myophysiology And Kinesiology	VPY-705	3 (2+1)
6.	Avian Physiology	VPY-706	3 (2+1)
7.	Physiology of Lactation	VPY-707	3 (2+1)
8.	Advances In Environmental Physiology and Growth	VPY-708	3 (2+1)
9.	Advances In Rumen Microbiology and Metabolism	VPY-709	3 (2+1)
10.	Advances In Immunophysiology	VPY-710	3 (2+1)
11.	Physiology of Stress	VPY-711	3 (2+1)
12.	Doctoral Seminar I	VPY-788	1
13.	Doctoral Seminar II	VPY-789	1

M.V.Sc Courses (Biochemistry)

S.No.	Name of the Course	Course No.	Credit Hrs.
1.	Master's Seminar	VBC-600	1
2.	Special Problem	VBC-601	1-2
3.	Techniques in Biochemistry	VBC-602	2 (0+2)
4.	Applications of Genomics and Proteomics in Molecular Biology	VBC-603	2 (2+0)
5.	Biochemistry of Biomolecules: Carbohydrates, Lipids and Membrane's Structure	VBC-604	2 (2+0)
6.	Enzyme Catalysis, Kinetics, Inhibition and Regulation	VBC-605	2 (2+0)
7.	Metabolism-I: Carbohydrates and Lipids	VBC-606	2 (2+0)
8.	Metabolism-II: Nucleic Acids And Amino Acids	VBC-607	2 (2+0)
9.	Metabolism-III: Integration and regulation.	VBC-608	2 (2+0)
10.	Central Dogma and Protein Function	VBC-609	2 (2+0)
11.	Clinical Biochemistry of Animals	VBC-610	3 (2+1)
12.	Biochemical Basis of Diseases of Domestic Animals	VBC-611	2 (2+0)
13.	Endocrinology and Reproductive Biochemistry	VBC-612	2 (2+0)
14.	Biochemical Basis of Animal Production	VBC-613	3 (2+1)
15.	Chemistry of Animal Cell	VBC-614	2 (2+0)
16.	Master's Thesis Research	VBC-690	20

Ph.D. Courses (Biochemistry)

S. No.	Name of the Course	Course No.	Credit Hrs.
1.	Advances in Biochemistry of Ruminant Disorders	VBC-701	2 (2+0)
2.	Advances in Enzymology	VBC-702	2 (2+0)
3.	Advances in Clinical Biochemistry	VBC-703	2 (1+1)
4.	Membrane Dynamics and Signal Transduction in Animal Cell	VBC-704	2 (2+0)
5.	Methods in Protein Analysis	VBC-705	3 (2+1)
6.	Nutritional Biochemistry	VBC-706	2 (2+0)
7.	Advances in Intermediary Metabolism	VBC-707	2 (2+0)
8.	Endocrine Control of Fuel Metabolism	VBC-708	2 (2+0)
9.	Diagnostic Enzymology-I	VBC-709	2 (2+0)
10.	Diagnostic Enzymology-II	VBC-710	2 (2+0)
11.	Biochemistry of Development and Differentiation	VBC-711	2 (2+0)
12.	Advances in Techniques in Biochemistry	VBC-712	2 (0+2)
13.	Advances in Mineral and Vitamin Metabolism and Related Diseases	VBC-713	2 (2+0)

14	Control Mechanisms in Biochemistry	VBC-740	2 (2+0)
15.	Doctoral Seminar I	VBC-788	1
16.	Doctoral Seminar II	VBC-789	1
17.	Ph.D. Thesis Research	VBC-790	45

M.V.Sc. Courses (Animal Biotechnology)

S. No.	Name of the Course	Course No.	Credit Hrs.
1.	Master's Seminar	ABT 600	1
2.	Special Problem	ABT 601	1-2
3.	Fundamentals of Cell & Molecular Biology	ABT 602	3(3+0)
4.	Applied Molecular Biology	ABT 603	3(2+1)
5.	Animal Cell Culture: Principles & Applications	ABT 604	3(1+2)
6.	Molecular Diagnostics	ABT 605	3(1+2)
7.	Vaccine Biotechnology	ABT 606	2(2+0)
8.	Immunology Applied To Biotechnology	ABT 607	2(1+1)
9.	Introduction To Bioinformatics	ABT 608	2(1+1)
10.	Animal Genomics	ABT 609	3(2+1)
11.	Reproductive Biotechnology	ABT 610	3(2+1)
12.	Techniques in Molecular Biology & Genetic Engineering	ABT 611	3(0+3)
13.	Biodiversity, Biosafety & Bioethics	ABT 612	2(2+0)
14	Molecular Forensics	ABT 613	3(2+1)
15.	Industrial Biotechnology	ABT 614	3(2+1)
16.	Probiotics & Feed Biotechnology	ABT 615	3(3+0)
17.	Animal Biotechnology	ABT 616	3(3+0)
18.	Basic & Applied Biotechnology	ABT 617	3(3+0)
19.	Genetic Engineering In Animal Health And Production	ABT 658	1(1+0)
20.	Master's Thesis Research	ABT 690	20