

## ACADEMICS

### COURSES OFFERED BY THE DEPARTMENT

<b>B.V.Sc. &amp; A.H. Degree Programme (Annual System)</b>		
<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hours</b>
AGB-200	Animal Genetics & Breeding	4 (3-0-1)

<b>M.V.Sc. Degree Programme (Animal Genetics and Breeding)</b>		
<b>1. Core Courses (14 credits)</b>		
<b>Course No.</b>	<b>Course Name</b>	<b>Credit Hours</b>
AGB-600	Master's Seminar	1
AGB-602	Molecular Genetics in Animal Breeding	3 (2-0-1)
AGB-603	Population and Quantitative Genetics in Animal Breeding	3 (2-0-1)
AGB-604	Selection Methods and Breeding Systems	4(3-0-1)
AGB-611	Animal Cytogenetics and Immunogenetics	3 (2-0-1)
<b>2. Basic Supporting Courses (06 credits)</b>		
BMB-545	Techniques in Molecular Biology	2 (0-0-2)
BPS-661	Experimental Statistics	4 (3-0-1)
<b>3. Optional/Minor Courses (10 credits)</b>		10
<b>4. Thesis Research (20 credits)</b>		
AGB-690	Master's Thesis Research	20
<b>Total Credit Hours</b>		<b>30+20=50</b>

<b>Ph.D. Degree Programme (Animal Genetics and Breeding)</b>		
<b>1. Core Courses (12 credits)</b>		
<b>Course No.</b>	<b>Course Name</b>	<b>Credit Hours</b>
AGB-701	Recent Advances in Animal Genetics	2 (2-0-0)
AGB-702	Recent Trends in Animal Breeding	2 (2-0-0)
AGB-703	Advances in Biometrical Genetics	3 (2-0-1)
AGB-704	Advances in Selection Methodology	3 (2-0-1)
AGB-788	Doctoral Seminar I	1
AGB-789	Doctoral Seminar II	1
<b>2. Basic Supporting Courses (04 credits)</b>		
BHS-652	Research Methodology-I	1 (1-0-0)
BPS-653	Research Methodology-II	3 (2-0-1)
<b>3. Optional Courses (04 credits)</b>		4
<b>4. Minor Courses (10 credits)</b>		10
<b>5. Thesis Research (45 credits)</b>		
AGB-790	Ph.D. Thesis Research	45
<b>Total Credit Hours</b>		<b>30+45=75</b>

<b>Compulsory Courses for Minor for Other Disciplines</b>		
AGB-603	Population and Quantitative Genetics in Animal Breeding	3 (2-0-1)
AGB-607	Cattle and Buffalo Breeding	3 (2-0-1)

<b>List of PG Courses of the Department</b>		
<b>Course No.</b>	<b>Course Name</b>	<b>Credit Hours</b>
AGB-600	Master's Seminar	1
AGB-601	Special Problem	1-2
AGB-602	Molecular Genetics in Animal Breeding	3 (2-0-1)
AGB-603	Population and Quantitative Genetics in Animal Breeding	3 (2-0-1)
AGB-604	Selection Methods and Breeding Systems	4 (3-0-1)
AGB-605	Biometrical Techniques in Animal Breeding	4 (3-0-1)
AGB-606	Conservation of Animal Genetic Resource	2(2-0-0)
AGB-607	Cattle and Buffalo Breeding	3(2-0-1)
AGB-608	Small Farm Animal Breeding (Sheep, Goat, Swine & Rabbit)	2(2-0-0)
AGB-609	Poultry Breeding	3(2-0-1)
AGB-610	Laboratory Animal Breeding	1(1-0-0)
AGB-611	Animal Cytogenetics & Immunogenetics	3(2-0-1)
AGB-690	Master's Thesis Research	20
AGB-701	Recent Advances in Animal Genetics	2(2-0-0)
AGB-702	Recent Trends in Animal Breeding	2 (2-0-0)
AGB-703	Advances in Biometrical Genetics	3 (2-0-1)
AGB-704	Advances in Selection Methodology	3 (2-0-1)
AGB-705	Bioinformatics in Animal Genetics & Breeding	2 (2-0-0)
AGB-706	Advances in Molecular Cytogenetics	2 (2-0-0)
AGB-707	Utilization of Non-Additive Genetic Variance in Farm Animals	3 (2-0-1)
AGB-788	Doctoral Seminar I	1
AGB-789	Doctoral Seminar II	1
AGB-790	Ph.D. Thesis Research	45