

# ACADEMICS

## COURSES OFFERED BY THE DEPARTMENT TO UG/DIPLOMA STUDENTS

<b>B.V.Sc. &amp; A.H. Degree Programme (Annual System)</b>		
<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
AGB 200	Animal Genetics & Breeding	4(3-0-1)
<b>Courses Offered for Diploma in Veterinary Pharmacy and Livestock Extension</b>		
DVP 113	Introduction to Livestock Breeds	2(1-0-1)
DVP 121	Introduction to Computer and its Application	2(1-0-1)

<b>M.V.Sc. Degree Programme (Animal Genetics and Breeding)</b>		
<b>Course No.</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>Major Courses</b>		
AGB 601*	Animal Cytogenetics and Immunogenetics I	3(2-0-1)
AGB 602*	Molecular Genetics I	3(2-0-1)
AGB 603*	Population and Quantitative Genetics	3(2-0-1)
AGB 604*	Selection Method and Breeding System	3(2-0-1)
AGB 605*	Biometrical Genetics I	3(2-0-1)
AGB 610*	Laboratory Animals and Rabbit Breeding	2(2-0-0)
The remaining credits will be chosen from the list of Post graduate courses of Animal Genetics and Breeding, 600 series		3
<b>Seminar</b>		
AGB 688	Master's Seminar	1
<b>Minor/Optional Courses</b>		8
<b>Supporting Courses</b>		
BMB 646	Techniques in Molecular Biology	3(0-0-3)
BPS 661	Experimental Statistics	4(3-0-1)
<b>Common Courses</b>		
BHS 500	Technical Writing and Communication Skills	1(0-0-1)
BHS/AAC 502	Research, Research Ethics and Rural Development Programmes	1(1-0-0)

BPC 506	Basic Concepts in Laboratory Techniques	1(0-0-1)
AGP 518	Intellectual Property and its Management	1(1-0-0)
BHS 611	Library and Information Services	1(1-1-0)
<b>Research</b>		
AGB 690	Master's Thesis Research	30
<b>Total</b>		<b>71</b>
<b>Minor Courses (For other departments)</b>		
AGB 603	Population and Quantitative Genetics	3(2-0-1)
AGB 604	Selection Method and Breeding Systems	3(2-0-1)
The remaining 2 credits will be chosen from the list of post graduate courses of Animal Genetics and Breeding, 600 series		

\* Compulsory courses

<b>Ph.D. Degree Programme (Animal Genetics and Breeding)</b>		
<b>Course No.</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>Major Courses</b>		
AGB 701*	Molecular Genetics II	2(2-0-0)
AGB 702*	Trends in Animal Breeding	2(2-0-0)
AGB 703*	Biometrical Genetics II	3(2-0-1)
AGB 704*	Advances in Selection Methodology	3(2-0-1)
Remaining credits chosen from the list of post graduate courses of Animal Genetics and Breeding, 700 series		2
<b>Seminar</b>		
AGB 788	Doctoral Seminar I	1
AGB 789	Doctoral Seminar II	1
<b>Minor/Optional Courses</b>		6
<b>Supporting Courses</b>		
BHS 652	Research Methodology I	1(1-0-0)
BPS 653	Research Methodology II	3(2-0-1)
BHS 654	Research and Publication Ethics	2(2-0-0)
<b>Research</b>		
AGB 790	Ph.D. Thesis Research	75
<b>Total</b>		<b>101</b>

<b>Minor Courses (For other departments)</b>		
AGB 702	Trends in Animal Breeding	2(2-0-0)
AGB 704	Advances in Selection Methodology	3(2-0-1)
The remaining 1 credit will be chosen from the list of Post graduate courses of Animal Genetics and Breeding, 600/700 series		

\* Compulsory courses

**List of Post Graduate Courses**

AGB 601*	Animal Cytogenetics and Immunogenetics I	3(2-0-1)
AGB 602*	Molecular Genetics I	3(2-0-1)
AGB 603*	Population and Quantitative Genetics	3(2-0-1)
AGB 604*	Selection Method and Breeding System	3(2-0-1)
AGB 605*	Biometrical Genetics I	3(2-0-1)
AGB 606	Conservation of Animal Genetics Resources	2(2-0-0)
AGB 607	Cattle and Buffalo Breeding	3(2-0-1)
AGB 608	Sheep and Goat Breeding	2(2-0-0)
AGB 609	Poultry Breeding	3(2-0-1)
AGB 610*	Laboratory Animal and Rabbit Breeding	2(2-0-0)
AGB 611	Swine Breeding	1(1-0-0)
AGB 612	Pet Animal Breeding (Dogs and Cats)	1(1-0-0)
AGB 613	Wild Animal Genetics and Breeding	1(1-0-0)
AGB 614	Equine Breeding	1(1-0-0)
AGB 615	Camel Breeding	1(1-0-0)
AGB 616	Yak and Mithun Breeding	1(1-0-0)
AGB 617	Statistical Methods in Animal Breeding	3(2-0-1)
AGB 687	Master's Special Problem	1 or 2
AGB 688	Master's Seminar	1
AGB 690	Master's Thesis Research	30
AGB 701*	Molecular Genetics II	2(2-0-0)
AGB 702*	Trends in Animal Breeding	2(2-0-0)
AGB 703*	Biometrical Genetics II	3(2-0-1)
AGB 704*	Advances in Selection Methodology	3(2-0-1)
AGB 705	Bioinformatics in Animal Breeding	2(1-0-1)
AGB 706	Animal Cytogenetics and Immunogenetics II	2(2-0-0)
AGB 707	Statistical Software in Animal Breeding	2(1-0-1)
AGB 787	Doctoral Special Problem	1 or 2
AGB 788	Doctoral Seminar I	1
AGB 789	Doctoral Seminar II	1
AGB 790	Ph.D. Thesis Research	75

\* Compulsory courses