

M.Sc. in Animal Science

Code	Title	Credits	Option
First Semester			
*AS 5101	Introduction to Aquaculture and Fisheries	3	Prerequisite
*AS 5102	Comparative Anatomy and Physiology of Farm Animals	3	Prerequisite
*AS 5103	Introduction to Animal Production	2	Prerequisite
*AS 5104	Principles of Animal Nutrition	2	Prerequisite
AS 5120	Endocrinology of Farm Animals	2	Compulsory
AS 5121	Monogastric Nutrition	3	Compulsory
AS 5126	Quantitative and Molecular Genetics of Farm Animals	2	Compulsory
AS 5127	Ruminant Nutrition	3	Compulsory
AS 5198	Directed Study	2	Compulsory
AS 5199	Seminar	1	Compulsory
AS 5106	Aquaculture Based Farming Systems	2	Elective
AS 5109	Dairy Chemistry	2	Elective
AS 5114	Integrated Livestock Systems	3	Elective
AS 5115	Laboratory Techniques in Animal Nutrition	2	Elective
AS 5117	Layer and Parent Stock Management	3	Elective
AS 5119	Meat Science	2	Elective
AS 5122	Physiology of Lactation	2	Elective
AS 5124	Procuring, Processing and Marketing of Fluid Milk	2	Elective
AS 5125	Processing of Dairy Products	2	Elective
AS 5128	Reproductive Physiology of Farm Animals	3	Elective
AS 5129	Selection Index and Mixed Model Methodology	3	Elective
AS 5136	Introduction to Molecular Biology in Animal Science	3	Elective
AS 5151	Biochemical Genetics and Cytogenetics	2	Elective
AS 5152	Livestock Bio-diversity and Conservation	2	Elective
AS 5197	Proposal Formulation and Scientific Writing	2	Elective
EC 5156	Livestock Economics and Marketing	2	Elective
Second Semester			
AS 5213	Livestock Breeding	3	Compulsory
AS 5218	Non-ruminant Animal Production	3	Compulsory
AS 5220	Ruminant Livestock Production	3	Compulsory
AS 5201	Advances in Forage Production and Utilization	2	Elective
AS 5202	Animal Biotechnology	3	Elective
AS 5203	Animal-Environment Interactions	2	Elective
AS 5204	Aquatic Resources Management	2	Elective
AS 5206	Broiler Production	2	Elective
AS 5214	Livestock Health and Hygiene	2	Elective
AS 5222	Wildlife Environment	3	Elective
AS 5251	Advances in Equine Nutrition and Feeding	2	Elective
AS 5252	Animal Quarantine, Welfare and Legislation	1	Elective
AS 5253	Animal Waste Handling and Management	2	Elective
AS 5258	Animal Food Safety	2	Elective
AS 5263	Global Warming and Animal Production	2	Elective
AS 5264	Cell Biology in Animal Science	2	Elective
AS 5297	Field Visits - Animal Science	1	Elective
*ST 5254	Animal Experimentation	2	Elective
EX 5214	Extension for Livestock Production	2	Elective