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| ***Code*** | ***Title*** | ***Credits*** | ***Option*** |
| First Semester | | | |
| \*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 5108 | Avian Reproduction, Embryology and Hatchery Management | 2 | Compulsory |
| AS 5117 | Layer and Parent Stock Management | 3 | Compulsory |
| AS 5121 | Monogastric Nutrition | 3 | Compulsory |
| AS 5134 | Poultry Meat Processing Technology | 1 | Compulsory |
| AS 5135 | Egg Technology | 1 | Compulsory |
| AS 5198 | Directed Study | 2 | Compulsory |
| AS 5199 | Seminar | 1 | Compulsory |
| AS 5115 | Laboratory Techniques in Animal Nutrition | 2 | Elective |
| AS 5126 | Quantitative and Molecular Genetics of Farm Animals | 2 | Elective |
| AS 5129 | Selection Index and Mixed Model Methodology | 3 | Elective |
| AS 5131 | Slaughter House Planning and Management | 2 | 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 |
| Second Semester | | | |
| AS 5205 | Avian Health and Hygiene | 2 | Compulsory |
| AS 5206 | Broiler Production | 2 | Compulsory |
| AS 5212 | Genetics and Breeding of Poultry | 2 | Compulsory |
| AS 5298 | Industrial Visits - Poultry Science and Technology | 1 | Compulsory |
| AS 5202 | Animal Biotechnology | 3 | Elective |
| AS 5217 | Microbiology of Dairy, Meat, Fish and Egg Products | 3 | Elective |
| AS 5252 | Animal Quarantine, Welfare and Legislation | 1 | Elective |
| AS 5253 | Animal Waste Handling and Management | 2 | Elective |
| AS 5256 | Slaughter House By-Product Technology | 2 | Elective |
| AS 5264 | Cell Biology in Animal Science | 2 | Elective |
| \*ST 5254 | Animal Experimentation | 2 | Elective |