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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 |