125. Principles of Animal Breeding (3)
Prerequisite: A Sci 10 or permission of instructor. Principles of genetics as applied to domestic animals. Practices and problems commonly encountered in animal breeding.

130. Feed Mill Management (3)
Prerequisite: A Sci 70. Planning, operating and maintaining feed mills; mixing, buying and selling feeds; participation in management and operation of university feed mill; field trips. (2 lecture, 3 lab hours)

136. Parasites of Domestic Animals (3) (Former A Sci 160T section)
Prerequisite: Zool 1 or A Sci 120. Classification, life cycle, medical aspects, control, and prevention of helminth, protozoa, and arthropod parasites pathenogenic to domestic animals of North America. Emphasis placed on the parasites with the greatest medical and economic impact on animal populations. (1 lecture, two 2-hour labs)

140. Behavior of Domestic Animals (3)
Not open to students with credit in this section of A Sci 160T. Prerequisite: A Sci 10 or permission of instructor. Man's understanding and utilization of the principles of behavior in confined and free-ranging domestic animals. (2 lecture, 3 lab hours)

145. Horses for Pleasure (3)
Not open to students with credit in A Sci 51, 151. Intended for nonanimal science majors who desire a general knowledge of the modern light horse industry: evaluation and selection, horsemanship principles, training techniques, diseases, and unsoundness, nutrition, breeding, buildings and equipment. (2 1½-hour lecture-demonstration)

150. Animal Science Seminar (1; max total 2)
Open to seniors majoring in animal science. Latest developments in research; assigned papers in animal science to be presented in both oral and written form.

155. Animal Reproduction (3)
Prerequisite: A Sci 10 or 12; A Sci 125 or Biol 120 or concurrent. Principles of reproductive physiology and their application to domestic animals.

160T. Topics in Animal Science (1–4; max total 6 per discipline if no topic repeated)
Prerequisite: junior standing, permission of instructor. Anatomy, physiology, pathology, nutrition, genetics, economics.

170. Applied Animal Nutrition (3)
Prerequisite: A Sci 70, Chem 2A (or concurrently) or permission of instructor. Principles of nutrition and metabolism; application of nutrients, nutrient sources, and nutrient requirements to domestic animals.

180. Undergraduate Research (1–4; max total 4)
Open to juniors and seniors. Exploratory work on a suitable agricultural problem in animal science.

190. Independent Study (1–3; max see reference)
See *Academic Placement—Independent Study.*

200 Series. Graduate courses are listed under *Agriculture* following *Plant Science Department.*

ANIMAL HUSBANDRY (A Sci)

11. Livestock Selection and Evaluation (3)
Basic factors involved in selection and evaluation of beef cattle, horses, sheep, and swine; relationships of live market animal traits to carcass desirability. (2 lecture, 3 lab hours)

21. Beef Husbandry (3)
Prerequisite: A Sci 10. Management of purebred and commercial beef herds; selection of breeding stock; management practices in fattening cattle; marketing slaughter and purebred cattle. (2 lecture, 3 lab hours)