

**130. Feed Mill Management (2)**

Prerequisite: A Sci 70. Operation and maintenance of feed mills; compiling rations; mixing, buying, and selling feeds; participation in management and operations of university feed mill. (1 lecture, 3 lab hours)

**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) (Former A Sci 160T section)**

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 Husbandry Seminar (1; max total 2)**

Open to seniors majoring in animal husbandry. Latest developments in research; assigned research papers in animal husbandry to be presented in both oral and written form.

**155. Animal Reproduction (3) (Former A Sci 100)**

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 or permission of instructor. Quantitative nutrient requirements and allowances for domestic animals; feedstuffs and methods of processing; feeding systems and ration formulation for profitable livestock production.

**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 *General Information—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)

**31. Swine Husbandry (3)**

Prerequisite: A Sci 10. Principles and practices of purebred and commercial swine husbandry; breeding, feeding, and management program. (2 lecture, 3 lab hours)

**41. Sheep Husbandry (3)**

Prerequisite: A Sci 10. Breeding, feeding management, and marketing of commercial and purebred sheep; breeds, setting up a program of breeding, housing, and equipment requirements; feeding and care of ewes and lambs; docking, castrating, shearing, tying, sacking, storing wool. (2 lecture, 3 lab hours)