

**70. Comparative Nutrition (3) (Former AH 71)**

Prerequisite: Chem 2A-B; Bot 10 or Zool 10. Principles of nutrition; nutrients and their metabolism; comparison of qualitative nutrient requirements of monogastric and ruminant animals and man; role of animal food products in human nutrition.

**80. Undergraduate Research (1-4; max total 4)**

Open to freshmen and sophomores with permission of instructor. Exploratory work on a suitable agricultural problem in animal science.

**105. Animal Science Laboratory (2) (Former A Sci 20)**

Prerequisite: A Sci 10 or permission of instructor. Development of skills in applying animal science principles and practices; discussion, demonstration, participation. (2 2-hour lecture-labs; field trips)

**110. Anatomy and Physiology of Farm Animals (3) (Former AH 115)**

Prerequisite: Zool 1, Chem 8. General structures of farm animals and physiological functions of organs of the animal body. (2 lecture, 3 lab hours)

**120. Livestock Sanitation and Diseases (3) (Former AH 116)**

Prerequisite: A Sci 110 or permission of instructor. Sanitation practices and use of disinfectants; cause, symptoms, prevention, and treatment of common diseases of livestock. (2 lecture, 3 lab hours)

**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 (2) (Former AH 73)**

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

**140. Behavior of Domestic Animals (3)**

Not open to students with credit in this section of 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)

**150. Animal Husbandry Seminar (1; max total 2) (Former AH 170)**

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 AH, DS 106, A Sci 100)**

Prerequisite: A Sci 10 or 12; A Sci 125 or Biol 120. 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) (Former AH 172)**

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*.