

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*.