Animal Science Laboratory Units: Theoretical instruction in animal sciences is enhanced through practical application at the various laboratory units. These units include the Beef Husbandry Laboratory, Horse Husbandry Laboratory, Sheep Husbandry Laboratory, Swine Husbandry Laboratory, Dairy Husbandry Laboratory, Poultry Husbandry Laboratory, Meats Laboratory, Veterinary and Physiology Laboratory, and Feed Mill Laboratory.

SUPERVISED PROJECTS

The agricultural sciences program is unique in that it provides opportunity for students to gain both theoretical training and practical experience in farming while pursuing their university programs. The supervised project experience is designed to supplement the lecture and laboratory assignments, giving students greater opportunity to develop the practical side of farming. The university owns all of the necessary equipment for student projects. A rental fee is charged for use of equipment. Proficiency in operating equipment must be demonstrated before projects may be undertaken. Students sign contracts wherein they agree to perform the labor required in caring for their projects. The Agricultural Foundation serves as a banking agency in providing the money a student will or may need for project materials. Students must submit records on each enterprise to the Agricultural Foundation and share the profit or loss with the Foundation according to established percentages.

In the Animal Science Department, students may feed out steers, lambs, pigs, fryers or turkeys, or have commercial egg production projects. Animal science students may, with prior approval of the department, engage in self-financed projects. Concurrent registration in Agri 106, *Enterprise Management,* required.

COURSES

Note: Active immunization against tetanus (available through the Student Health Service) is a prerequisite for registration in any laboratory course in agriculture and for any student employment on the University Farm.

ANIMAL SCIENCE (A Sci)

10. Animal Science (3)
Types and breeds of farm animals and poultry in the United States; world distribution, adaptation, production methods; foods and products produced by farm animals, and their role in supplying food for a hungry world.

10L. Animal Science Laboratory (1)
Prerequisite: A Sci 10 (or concurrently). Laboratory practices to accompany A Sci 10. (2 lab hours)

70. Comparative Nutrition (3)
Prerequisite: Chem 2A or concurrent. 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. Advanced Animal Science Laboratory (2)
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)
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)
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)