415. Special Problems
Fall, Winter, Spring. 1 to 3 credits.
May re-enroll for a maximum of 5 credits. Senior and approval of department.
Special courses in fields not covered by other animal husbandry courses.

451. Swine Production
Fall. 4(3-3) ANS 325 or approval of department.
Historical aspects with emphasis on current trends. Breeds, breeding, selection, nutrition requirements, management practices, marketing, housing and environmental needs, disease and parasite problems. Visits to representative farms.

452. Sheep Production
Winter of even-numbered years. 4(3-3) ANS 325 or approval of department.
History, modern breeds, breeding, selection, nutrition and feeding, management, housing, diseases and parasites, wool. Visits to farm types. Practice in management skills.

453. Beef Production
Spring. 4(3-3) ANS 325 or approval of department.
History, breeds, breeding, selection, nutrition and feeding, commercial systems of production, diseases and pest control, marketing, housing, diseases and parasites, wool. Visits to farm types. Practice in management skills.

454. Horse Production
Fall of even-numbered years. 3(1-3) ANS 325 or approval of department by interdepartmental. Horse selection, breeding, feeding, management and merchandising. Arranged class hours to be spent at the Horse Farm.

462. Meat Animal Breeding
Spring. 3(2-3) ANS 461.
Uses and effects of different breeding systems with beef cattle, sheep, and swine. Formulating breeding plans.

Winter. 3(0-5) For course description, see Interdisciplinary Courses.

525. Animal Nutrition
Winter, Summer. 5(4-2) BCH 401.

526. Animal Nutrition
Spring. 4(4-0) One course each: biochemistry, physiology and approval of department.
Nurtute basic to animal feeding. Application of chemistry and physiology to nutrition. Nutrient requirements for normal body functions. Techniques involved in nutrition research; readings in current literature.

554. Design of Animal Experiments
Spring. 4(3-0) STT 433.
Choice, implementation and statistical analysis of experimental plant for research with animals. Designs for reduction of experimental error. Analysis of experiments with complex structure or unequal subclass numbers.

965. Biometrical Genetics
Fall. 4(4-0) One course in quantitative or population genetics.

ANTHROPOLOGY

ANP

College of Human Medicine

College of Osteopathic Medicine

College of Social Science

100. The Origin of Man and Culture
Fall, Winter, Summer. 4(3-1) Introduction to physical anthropology: the position of man in the animal kingdom, the genetic mechanisms of evolution, human beginnings and the fossil record, racial evolution and development of human culture, and culture as an adaptive mechanism.

171. Introduction to Anthropology
Fall, Winter, Summer. 4(3-1) 171.
Comparisons of ways of life among primitive, peasant and civilized peoples. Implications of these styles of life for understanding of human behavior in general and exotic cultures in particular.

200. Resource Ecology and Man
For course description, see Interdisciplinary Courses.

221. Introduction to Social and Cultural Analysis
Fall. Spring. 4(3-1) 171.
Basic theoretical framework of socio-cultural analysis, structural functionalism, evolutionism, and cultural ecology.

250. Culture, Environment and Adaptation
Fall. 4(3-1) 100.
Culture as an adaptive process—as developed in the million years of human history and still influencing environmental quality, population control, and allocation of resources in primitive and modern societies.