101. Animal Science
Fall. 5(4-3)
Survey of the animal industries including history, economic geography, anatomy and physiology, nutrition and feed usage, and systems of commercial livestock and poultry production.

213. Animal Science Seminar
Fall. 1(2-0)
Animal science industries. Industry representatives will be utilized to discuss particular areas.

228. Comparative Nutrition-Lipids and Carbohydrates
Winter of odd-numbered years. 4(4-0)
BCH 452 and a previous course on principles of nutrition. Interdepartmental with and administered by Human Nutrition and Foods. Regulatory aspects of carbohydrate and lipid metabolism as influenced by nutrition in mammals. Emphasis on normal and abnormal physiological states such as obesity, ketosis and diabetes.

297. Comparative Nutrition-Protein Metabolism and Developmental Biology
Winter of even-numbered years. 4(4-0)
BCH 452, PSL 802 or concurrently. Interdepartmental with and administered by Human Nutrition and Foods. Protein quality assessment, protein status, protein catabolic malnutrition, amino acid metabolism, protein turnover, digestion and absorption, hormonal control of protein metabolism, developmental aspects of protein metabolism and growth.

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

461. Principles of Animal Breeding
Winter. 3(3-0) CSS 350.

585. Analysis of Nonorthogonal Research Data
Spring. 4(4-0) STT 423.
Applied analysis techniques of field or survey data with unbalanced subclass numbers in field of biological sciences; predictions utilizing several variables; estimation of effects of factors and their interactions.

595. Biometrical Genetics
Fall of odd-numbered years. 4(4-0)
Genetics models for quantitative traits; estimation of components of variance; correlation of relatives; Selection Index theory; multifactor and multivariate responses in designed experiments.

ANTHROPOLOGY

ANTHROPOLOGY — Descriptions of Courses

College of Human Medicine
College of Osteopathic Medicine
College of Social Science

100. The Origin of Man and Culture
Fall, Winter, Spring, 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 racial types among modern men, the anticipation of culture among other animals and the development of human culture, and culture as an adaptive mechanism.

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

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

IDC. Introduction to Latin America I
For course description, see Interdisciplinary Courses.

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

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

IDC. Continuing Revolution in China: Problems and Approaches
For course description, see Interdisciplinary Courses.

262. Status of Women in Culture and Society: A Comparative View
Winter. 3(3-0) 171 or approval of department.
Comparative analysis of the status of women emphasizing non-Western cultures and societies. Economic and domestic division of labor between the sexes at a factor underlying division of status, power and authority.

283. Origin of Civilization: Archaeology
Spring. 4(4-0) 100.
The rise, development and spread of culture in the period before written history. Archaeological evidence is used to trace the evolution of culture as it has been reconstructed from the excavation of prehistoric sites in the Old and New World.