547. Human Gross Anatomy
Fall. (3-0) Admission to a college of medicine; graduate students with approval of department.
Regional gross anatomy of the limbs, abdomen, pelvis and perineum.

548. Human Gross Anatomy
Winter. (4-3) Admission to a college of medicine; graduate students with approval of department.
Regional gross anatomy of the back, thorax, head and neck.

560. Medical Histology
Fall. (4-4) Admission to a college of medicine or approval of department.
Structural and functional characteristics of basic cells, tissues and organ systems. Emphasis on core concepts and visual discrimination.

563. Osteopathic Medical Neuroanatomy
Spring. (4-3-4) Admission to a college of medicine; graduate students with approval of department.
Medically oriented problem-solving neuroanatomy with laboratory. Structure of the human nervous system is correlated with normal function, clinical testing and classical lesions encountered in medical practice.

565. Introduction to Human Gross Anatomy
Fall. (8-4-8) Admission to a college of medicine or approval of department.
Core concepts in regional, systemic and topographical human gross anatomy: Prosection, discussion and lecture methods using audiovisual aids and frequent review.

580. Special Problems
Fall. Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 15 credits. Admission to professional program in the College of Human Medicine, College of Osteopathic Medicine or the College of Veterinary Medicine, and approval of department.
Biomedical research, gross anatomy, histology, neurology, immunology or embryology.

802. Clinical Surgical Anatomy
Spring. (6-4) Junior or senior student in surgery or approval of department. Interdepartmental with and administered by the Department of Surgery.
Review of surgical anatomy: the opportunity to obtain detailed anatomical information through lecture and dissection sessions; and the clinical interpretation of anatomy and surgical approaches.

813. Problems in Anatomy
Fall. Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 15 credits. Basic disciplines in various areas and approval of department.
Various anatomical fields such as gross anatomy, histology, hematology, tissue culture, cytology, neurology and embryology will be studied.

814. Graduate Student Seminar
Spring. 1 to 3 credits. May reenroll for a maximum of 8 credits. Admittance to Ph.D. program in Department of Anatomy.
Supervised practice in delivering and evaluating written abstracts and public oral presentations of anatomical science: techniques of organization, timing, and effective illustrations.

820. Advanced Neuroanatomy: Structure and Function of Cells of CNS
Summer. 1 to 5 credits. May reenroll for a maximum of 15 credits. ANT 815 and approval of instructor.
Correlated anatomy and physiology of CNS cells and their processes including current concepts and principles of cytolgy, ultrastructure, development and plasticity, axonal transport mechanisms, electrical properties and functional connections.

839. Systems Neuroscience (PSL 838)
Winter of odd-numbered years. 5(4-2) Approval of department. Interdepartmental with the departments of Pharmacology and Toxicology, and Physiology.
Physiology, anatomy and pharmacology of sensory, somatomotor and autonomic neural systems.

855. Vertebrate Neural Systems I
Winter of odd-numbered years. 3(2-2) ANT 839 or approval of department. Interdepartmental with the departments of Physiology, Psychology, and Zoology.
Structure and function of major component systems of vertebrate brains, their evolution, ontogeny and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical and physiological studies.

866. Vertebrate Neural Systems II
Spring of odd-numbered years. 3(2-2) ANT 865. Interdepartmental with the departments of Physiology, Psychology, and Zoology.
Continuation of ANT 865. Major component systems of vertebrate brains, their evolution, ontogeny, and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical, and physiological studies.

998. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credits. Majors.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Majors.

ANIMAL SCIENCE

Animal Science — Descriptions of Courses

152. Livestock Production Laboratory (AN 202)
Fall. (1-0-3) ANS 110 or concurrently
Anatomy, care, feeding, management, handling and slaughter of commercial livestock species.
Evaluation of livestock relating skeletal structure to animal performance.

156. Introductory Meat Science
Winter. (4-2-6) ANS 110.
Systems of meat and poultry evaluation, meat cuts, identification, merchandising, processing, storage and handling. Eggs and egg products.

162. Poultry Production Laboratory (AN 262)
Winter. (1-0-3) ANS 110.

211. Principles of Animal Science
Spring. (3-0) ANS 110, B 5 211.
Principles of nutrition, reproduction, lactation, genetics and meat science. Comparative anatomy and physiology of food animals.

217. Evaluation of Animal and Carcass
Fall. (1-4) ANS 110, ANS 152.
Evaluation of breeding stock, market animals, and carcasses. Emphasis on production records and soundness of breeding animals, quality grading, yield grading and pricing market animals and carcasses.

256. Meats, Poultry and Fishery Products I
Fall. (3-2-2) Interdepartmental with and administered by Food Science.
Principles of evaluation and nutritive value. Identification of grades and cuts of beef, pork, lamb and poultry products.

257A. Meat Evaluation and Grading
Winter. 1(0-3) ANS 217. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of beef, pork and lamb carcasses and wholesale cuts according to industry and consumer demands. Federal grading standards. Field trips to meat packing operations required.

257B. Meat Evaluation and Grading
Fall. 1 to 3 credits. ANS 257A. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of beef, pork and lamb carcasses and wholesale cuts according to industry and consumer demands. Federal grading standards. Field trips to meat packing operations required.

310. Animal Science Seminar
Fall. (1-2-0) Juniors, ANS 110 or concurrently
Current production and policy issues in animal science.

313A. Principles of Animal Nutrition
(AN 313) Fall. 4(4-0) BCH 200 or BCH 401, MPH 200, PSL 241.
Requirements for and metabolism of nutrients. Feeding practices and diets for beef and dairy cattle, horses, poultry, sheep and swine.

A-19
313B. Feeds and Diet Formulation
Winter. 2(1-2) ANS 312A.
Feed processing, premixes and feed additives. Feed manufacture. Net energy system. Diet and least cost formulation for cattle, sheep, horses, poultry and swine. Field trips required.

314. Principles of Animal Breeding
Winter. 3(0-6) B S 211 or a course in Mendelian genetics.

315. Principles of Farm Animal Physiology
Spring. 4(2-2) ANS 211, PSL 241.
Anatomy and physiology emphasizing endocrine integration for homeostasis and homeorhesis. Regulatory interaction among growth, lactation and reproduction during different productive states of farm animals.

318. Marketing Purebred Livestock
Spring of odd numbered years. 2(1-2) ANS 132, ANS 142, or ANS 152, or approval of department.
Purebred livestock industry structure. Methods of merchandising purebred livestock including private treaty and auction sales. Advertising, sale selection, and budgeting of a purebred livestock sale.

337. Judging Dairy Cattle
Spring. 3(0-6) Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Desired type in dairy cattle. Judging and show ring procedures. Competitive judging. Teams selected to represent Michigan State University in national competition.

347A. Judging Horses
Fall. 2(0-6) ANS 217. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of conformation. Productive and functional merits of individual horses. Field trips to prominent equine establishments and events required.

347B. Judging Livestock
Winter. 1 to 3 credits. ANS 217 or approval of department. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of conformation of cattle, pigs and sheep. Productive and functional merits of individual food animals. Field trips to prominent livestock establishments and major livestock events required.

357B. Judging Livestock
Spring. 1 to 3 credits. ANS 357A. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of conformation of cattle, pigs and sheep. Productive and functional merits of individual food animals. Field trips to prominent livestock establishments and major livestock events required.

357C. Judging Livestock
Fall. 1 to 3 credits. ANS 357B. Students may not earn more than 10 credits from the following courses: ANS 257A, ANS 257B, ANS 337, ANS 347A, ANS 347B, ANS 357A, ANS 357B, ANS 357C.
Evaluation of conformation of cattle, pigs and sheep. Productive and functional merits of individual food animals. Field trips to prominent livestock establishments and major livestock events required.

400. Independent Study
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits. Students are limited to a combined total of 12 credits in ANS 400 and ANS 490. Approval of department.
Independent study in genetics, nutrition, physiology, toxicology, meat science, or management of poultry or livestock.

412A. Intensive Livestock Systems
(ANS 312A.) Fall. 2(1-3) junior, ANS 110, FSM 200 or approval of department.
Comprehensive systems in livestock production. Livestock enterprise planning and budgeting. Management decisions relative to purchasing livestock, feeding techniques and record analysis. Students manage livestock. Field trips required.

412B. Intensive Livestock Systems
(ANS 312B.) Winter. 2(1-3) ANS 412A.
Continuation of ANS 412A. Computer based surveillance and evaluation of livestock enterprise. Students manage livestock. Field trips required.

413A. Toxicology of Food Producing Animals
(ANS 413.) Fall. 2(1-0) PSL 240, BCH 200.
Fate and effects of toxic chemicals in food-producing animals: impact on animal production, residues in food products, safety assessment and control methods.

413B. Toxicology Methods Laboratory
Fall. 2(0-4) ANS 413A or concurrently.
Laboratory techniques for evaluating potential toxicity of chemicals to animals. Field trip to industrial toxicology laboratory required.

415. Animal Reproduction Laboratory
Winter. 1(0-2) ANS 455 or concurrently.

416. Growth Biology of Meat Animals
Spring of even numbered years. 3(3-0) B S 211, PSL 241, BCH 200.
Fetal and postnatal growth and development in meat animals. Bioenergetic, hormonal, nutritional and metabolic aspects of growth. Criteria for measuring growth of meat animals.

417. Current Topics in Toxicology
Spring. 1(1-0) ANS 413A or approval of department.
Selected topics including regulatory toxicology, risk assessment, food safety, and safe handling of toxic substances.

418. Livestock Product Marketing
Spring. 4(3-2) ANS 110, FSM 200, Interdepartmental with Food Systems Economics and Management.
Structure and product values in livestock market channels. Field study analysis of alternative marketing strategies, futures marketing, and the components of the livestock marketing chain. Field trips required.

422. Beef Production and Management
Spring. 4(3-2) ANS 152, ANS 313B, ANS 314, ANS 315 or approval of department.
Management practices and systems for beef herds. Emphasis on feed requirements, reproduction, breeding, performance testing, housing, diseases, costs and returns. Field trips required.

423. Dairy Production and Management
Spring. 4(3-3) ANS 132, ANS 313B, ANS 314, ANS 315 or approval of department.

432. Ruminant Nutrition
Spring. 4(3-2) ANS 313B.
Principles of ruminant nutrition and application to actual feeding practices in commercial dairy and beef operations. Ruminal fermentation as related to feed utilization, growth, milk production and milk composition.

434. Dairy Cattle Breeding
Spring. 4(2-4) ANS 314.
Applications of population genetics to improving dairy cattle. Use of selection, aids to selection, and systems of mating to formulate breeding plans. Inheritance of economic traits. Breed improvement programs.

435. Mammary Physiology
Fall. 4(3-2) PSL 241, BCH 200 or BCH 401. Interdepartmental with the Department of Physiology.

442. Horse Production and Management
Spring. 4(3-2) ANS 142, ANS 312B, ANS 314, ANS 315 or approval of department.
Management of stables and horse breeding farms. Pedigree and animal informational selection, reproduction, promotion, marketing, economics, facilities, disease and parasite control, lameness and footcare. Field trip required.

547. Meat Animal Breeding
Spring. 4(2-4) ANS 314.
Uses and effects of different breeding systems with beef cattle, sheep, and swine. Formulating breeding plans.
455. Principles of Animal Reproduction
Winter. 4(5-0) BCH 241, BCH 260 or BCH 403. Interdepartmental with the Department of Physiology.
Processes of reproduction and endocrinology with special emphasis on anatomy of reproductive systems, folliculogenesis, gametogenesis, reproductive cycle, fertilization, sex determination, gestation and artificial regulation of these reproductive events for economic benefit.

456. Meat Science and Muscle Biology
Winter. 4(4-0) BCH 200, BCH 240. Structure, composition and function of muscle, its conversion to meat, animal growth and fattening. Properties of fresh and processed meat, microbiology, preservation, palatability, inspection and sanitation, by-products, nutritive value.

462. Poultry Production and Management
Spring of even-numbered years. 4(3-2)
ANS 162, ANS 313B, ANS 314, ANS 315 or approval of department.
Practical application of economic and management principles to commercial poultry enterprises. Field trips required.

463. Poultry Nutrition
Winter of odd-numbered years. 4(3-3)
ANS 313B or concurrently.

464. Poultry Breeding and Incubation
Winter of even-numbered years 4(3-2)
ANS 314.
Genetic and biological factors affecting economic characteristics including egg production, egg size, hatchability, growth and viability and factors involved in the hatching of eggs.

465. Avian Physiology
Spring. 4(3-3) Approval of department. Interdepartmental with the Department of Physiology.
Systemic physiology of birds emphasizing respiration, circulation, temperature regulation, the endocrine and reproductive systems.

469. Avian Diseases and Health
Winter of even-numbered years. 4(3-2)
MPH 200 or B S 212 or approval of department.
Microbiological concepts, causes, preventive and therapeutic methods for poultry diseases, laboratory diagnosis and experiments.

472. Sheep Production and Management
Winter of odd-numbered years. 4(2-2)
ANS 152, ANS 313B, ANS 314, ANS 315 or approval of department.
Management of sheep enterprises. Emphasis on selection, reproduction, nutrition, health, housing, marketing and economics. Field trips required.

482. Swine Production and Management
Fall. 4(3-2) ANS 152, ANS 313B, ANS 314, ANS 315 or approval of department.
Historical aspects and current trends of breeds, breeding selection, nutritional requirements, management practices, marketing, housing, and environmental needs, disease and parasite control. Field trips required.

483. Swine Nutrition
Spring of odd-numbered years. 3(3-0)
ANS 313B; ANS 382.
Dietetic and metabolic development and nutrient requirements of swine. Interactions of genetics, disease, endocrinology and environment with nutrition. Critical evaluation of swine feeds and feed formulation. Recent swine nutrition research.

488. Animal Systems in International Development
Spring. 4(4-0) Juniors, ANS 211 or approval of department.

490. Senior Thesis in Animal Science
Fall, Winter, Spring, Summer. 8 to 12 credits. May enroll for a maximum of 12 credits. Students are limited to a combined total of 12 credits in ANS 400 and ANS 490. Senior Animal Science Majors, approval of department. Not open to graduate students.
Individual study of selected topic and preparation of a senior thesis.

511. Animal Science for Veterinarians
Fall. 4(4-0) First year Veterinary Medicine students.
Husbandry and management of food animals, horses, companion animals, zoo animals and laboratory animals.

512. Physical Examination and Animal Handling I
Spring. 2(0-6) First year Veterinary Medicine students.
Techniques for restraint and examination of cattle, sheep, goats, and swine. Inspections of production units.

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

800. Advanced Independent Study
Fall, Winter, Spring, Summer. 1 to 4 credits. May enroll for a maximum of 8 credits.
Approval of department.
Investigation of areas within animal science of special interest to graduate students.

832. Research Methods in Nutrition
Winter of odd-numbered years. 2(2-0)
Approval of department.
Experimental techniques in nutrition: ration formulation, animal management, sampling procedures, balance trials, bioassays, tracer methodology, determination of nutrient requirements.

834. Principles of Animal Reproduction
Winter. 4(5-0) BCH 260 or BCH 403. Interdepartmental with the Department of Physiology.
Processes of reproduction and endocrinology with special emphasis on anatomy of reproductive systems, folliculogenesis, gametogenesis, reproductive cycle, fertilization, sex determination, gestation and artificial regulation of these reproductive events for economic benefit.

851. Animal Science — Descriptions of Courses

871. Design of Animal Experiments
Spring. 4(4-0) STT 423.
Choice, implementation and statistical analysis of experimental plans for research with animals. Designs for reduction of experimental error. Analysis of experiments with complex structure or unequal subclass numbers.

872. Analysis of Unbalanced Multifactor Data
Spring. 4(4-0) STT 423.
Applied analysis techniques of field or survey data in biological sciences with unbalanced subclass numbers. Building models to fit data and research goals. Interpretation of analysis.

890. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

931. Advanced Ruminant Nutrition
Fall of even-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.

935. 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.
Practical application of lipid and carbohydrate metabolism as influenced by nutrition in animals. Emphasis on normal and abnormal physiological states such as obesity, ketosis and diabetes.

936. Comparative Nutrition — Protein Metabolism and Developmental Biology
Winter of even-numbered years. 4(4-0) BCH 452 and a previous course on principles of nutrition. Interdepartmental with and administered by Human Nutrition and Foods.
Practical application of protein metabolism as influenced by nutrition in animals. Emphasis on normal and abnormal physiological states such as obesity, ketosis and diabetes.

937. Comparative Nutrition — Protein Metabolism and Developmental Biology
Fall of even-numbered years. 3 credits.
PSL 811 or approval of department. Interdepartmental with Human Nutrition and Foods.
Forms and location in body, metabolic roles, deficiency and toxicity signs, interrelationships, requirements and biological availability of sources.

938. Comparative Nutrition — Vitamins
Spring of odd-numbered years. 3(3-0) BCH 452 and a previous course on principles of nutrition. Interdepartmental with and administered by Human Nutrition and Foods.
Chemical and physical properties, standards of activity, occurrence, metabolic roles, antagonists, deficiency and toxicity signs, requirements and factors affecting requirements.

941. Genetics of Breed Improvement
Winter of odd-numbered years. 3(3-0)
ANS 314, STT 421.
942. Breeding Systems and Plans
Spring of odd-numbered years. 3(3-0)
ANS 941.
Biometric relations between related animals. Role of selection in changing populations. The effects of different mating systems.

943. Biometrical Genetics
Fall. 4(4-0) ANS 872.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

ANTHROPOLOGY ANP

College of Human Medicine
College of Social Science

100. Human Evolution
Fall, Winter, Spring, Summer. 4(4-0)
Scientific fossil and archaeological evidence on human cultural and biological origins; anticipation of culture in other animals; place of humans among the primates; processes of organic evolution; modern human genetic variability; culture as an adaptive mechanism; cultural development to the dawn of civilization.

171. Introduction to Sociocultural Anthropology (S)
Fall, Winter, Spring, Summer. 4(4-0)
Comparison 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.

210. The Anthropological Film
Winter. 3(3-2)
Ethnographic film as a preserver of vanishing cultures worldwide, as a tool for ethnological analysis and as a creator of perspectives about other cultures and cultural variability.

221. Social and Cultural Analysis
Fall, Spring. 4(4-0) ANP 171 or approval of department.
Basic theoretical framework of socio-cultural analysis: structural functionalism, evolutionism, and cultural ecology.

230. Women and Health: Anthropological and International Perspectives
Spring. 3(3-0)
Crosscultural women’s health issues. Health implications of differing life circumstances for women in developing countries. Women as health care providers and consumers. Health issues concerning the female life cycle.

250. Culture, Environment and Adaptation (S)
Fall. 4(4-0)
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.

255. Prehistory of the Bible Lands
Spring of odd-numbered years. 3(3-0)
Archaeological evidence for prehistoric cultures of Biblical Palestine up to the establishment of the ancient kingdoms of Judea and Israel around 1250 B.C.; rise of civilization into Old Testament times.

IDC. Introduction to Contemporary China
For course description, see Interdisciplinary Courses.

IDC. Contemporary Japan
For course description, see Interdisciplinary Courses.

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

263. Introduction to Archaeology
Winter. 3(3-0)
Archaeologists, work in the field and laboratory: dating the past, analysis of finds; interpretation of sites from Stone Age Caves to ceremonial sites.

264. Great Discoveries in Archaeology (S)
Winter. 4(4-0)
Great discoveries in archaeology that have captured the public’s imagination and shaped Western thought, from Olduvai Gorge and Stonehenge to Machu Picchu.

265. Vanished Peoples and Lost Civilizations
Fall. 4(4-0)
Concepts of cultural evolution and origins of civilization as found in popular literature ranging from Atlantis to Charles of the Gods.

266. War and Aggression
Fall, Spring. 3(3-0)
The question “What makes friends and what makes enemies?” is examined from the standpoint of cultural anthropology. Violence-prone cultures and peaceful ones are compared for factors influencing human aggression.

275. The Anthropology of Asia
Fall of odd-numbered years. 4(4-0)
Several cultural complexes and culture types—from hunting and gathering through complex civilization—of East, Southeast, and South Asia. The cultures and nature of their development will be examined. Past and present significance of cultural stability and change will be seen in a comparative framework.

281. Introduction to African Cultures
Spring. 4(4-0)
Patterns and diversity among contemporary African societies, emphasizing cultural continuity and change.

285. Anthropological Perspectives on Global Interdependence
Spring. 4(4-0)
Intervention into nature of cultural traditions in the modern world. Consideration of how people of developing nations respond to the dominant cultural forces of industrialized nations.

IDC. Contemporary South Asia
For course description, see Interdisciplinary Courses.

343. Introduction to Physical Anthropology
Fall. 4(3-2)
Problems, data and techniques associated with the main topical areas of physical anthropology: human genetics, hominid evolution, primate behavior, human osteology and human diversity. Field trips may be required.

350. Peasant and Social Change in the Developing World
Fall. 4(4-0) ANP 171.
Cross-cultural examination of peasantries and rural cultures and societies of Asia, Europe and Latin America. Traditional peasants and social change in developing nations.

353. Rise of Civilization
Spring of even-numbered years. 3(3-0)
ANP 100 or ANP 283, or approval of department.
Archaeological evidence for the appearance and development of the world’s earliest prehistoric civilizations; ethnological and ethnohistorical perspectives and the nature of complex societies as models applied to archaeological evidence.

356. Culture, Health and Illness
Spring. 4(4-0) ANP 171.
Anthropological study of health behavior. Comparative view of primitive, folk and scientific medical systems and their effect on the individual and the community in the illness situation.

391. Anthropology and Education
Winter. 4(4-0) ANP 171 or other social science. For Education and Anthropology majors.
Maturation and socialization in various societies of Asia, Africa, and Latin America. These will be compared with educational institutions in the U.S. and Europe. It is expected to be a contribution to the broader cross-cultural investigation of the teaching/learning process.

385. The Anthropology of Social Movements
Winter. 4(4-0) ANP 171 or approval of department.
Analysis of how different cultures around the world organize and create (or impede) change on the basis of class, religion, race, ethnicity, language, and territory.

400H. Honors Work
Fall, Winter, Spring, Summer. 1 to 16 credits. May reenroll for a maximum of 20 credits. Approval of department.

406. Environmental History
Winter. 4(4-0) Juniors. Interdepartmental with and administered by the Department of History.
History of the impact of human societies on the natural environment. Effect of human induced environmental change on the history of various peoples. Global, thematic approach with emphasis on Europe and America since the 16th century.

407. Interactions of Culture and Nutrition
Spring. 3(3-0) Juniors, HNF 102 or ANP 171 or approval of instructor. Interdepartmental with and administered by Human Nutrition and Foods.
World and U.S. food behavior focusing on conflicts between behavior and nutritional needs at various stages of life cycle. Anthropological, psychological and social influences affecting food behavior are analyzed.