380. The Role of Women in America: Arts and Self Winter. Summer of even-numbered years. 4(4-0) Juniors.
Various art forms by women and the exploration of a feminine sensibility; sex, race, and class interaction; cultural stereotypes; male views of women and themselves; the impact of the media.

381. The Role of Women in America: Movements and Ideology Spring. Summer of odd-numbered years. 4(4-0) Juniors.
Key personalities and philosophical currents in the women's movement; biological and cultural myths and realities; the historical role of the feminine in the family, "The Culture of Romance".

439. Writing the Research Report Winter, Spring. 4(4-0) Juniors.
Advanced methods and organization of written research reports will be taught by providing examples, exercises, and writing practice based on research submitted by the students.

ANATOMY

College of Human Medicine
College of Osteopathic Medicine
College of Veterinary Medicine

316. General Anatomy Fall, Spring. 5(5-0)
Designed to impart the basic concepts of the broad field of anatomy. Special requirements of the various disciplines will be met in their respective laboratories.

420. Microscopic Anatomy Winter. 5(2-6) Medical Technology students or approval of department.
Microscopic study of the structure of cells, tissues and organs.

505A. Anatomy in Physical Diagnosis (505) Fall. 1 to 3 credits.
Exercises in which students study systemic anatomy in a physical diagnosis context. Preparatory self-instruction precedes exercises.

505B. Anatomy in Physical Diagnosis Winter. 1 to 3 credits. 505A or approval of department.
Exercises in which students study regional anatomy in a physical diagnosis context. Preparatory self-instruction precedes exercises.

505C. Anatomy in Physical Diagnosis Spring. 1 to 3 credits. 505B or approval of department.
Exercises in which students study regional anatomy in a physical diagnosis context. Preparatory self-instruction precedes exercises.

520. Veterinary Anatomy Summer. 5(3-6) Admission to professional veterinary program.
A general histology course for veterinary students which includes a survey of the tissues of the animal body.

521. Veterinary Anatomy Fall. 6(3-9) Admission to professional veterinary program.
Gross anatomy of a representative animal, the dog, is studied. Lecture, dissection of embalmed specimen, study of sections, slides, models and living animals.

522. Veterinary Anatomy Fall. 4(3-8) 520.
Microscopic anatomy of the digestive, urinary, respiratory, male and female reproductive systems, integumentary system, central nervous system and special sense organs of domesticated animals.

523. Veterinary Anatomy Winter. 4(2-6) 521 or approval of department.
Lecture, dissection of embalmed specimens and the study of preparations, models and live animals related to the anatomy of the domestic animals.

540. Gross Biomedical Structure Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 15 credits.
Human Medicine students; approval of department for graduate students.
Human structure, systemic and regional, is studied in self-instructional and dissection sequences. Application of this knowledge to recognition of normal and abnormal structure in appropriate medical contexts is accomplished through self-instructional and clinical sessions.

543. Microscopic Anatomy Winter. 3(2-3) Human Medicine students; approval of department for graduate students.
The principles of microscopic anatomy, utilizing self-instructional units and laboratory experience with organ sections viewed through the light microscope.

545. Neuroanatomy Spring. 3(4-0) Admission to medical school or approval of Neuroscience Committee.
Introduction to gross and microscopic anatomy of the human nervous system, to related basic neurophysiology concepts and to a problem-solving approach to the diagnosis of nervous system disease.

560. Functional Medical Cytology and Histology Fall. 8(1-3) Approval of department.
Self-study and laboratory instruction are combined in presenting the mutual relationship between the structure and function (physiological and biochemical) of cells and tissues. The emphasis is on the medical relevance of cytophysiology.

565. Introduction to Human Gross Anatomy Fall. 5(3-6) Approval of department.
Core concepts in regional, systemic and topographical human gross anatomy. Prosection, discussion and lecture methods using audio-visual aids and frequent review.

801. Seminar Fall, Winter, Spring. 1(1-0) Approval of department.

813. Problems in Anatomy Fall, Winter, Spring. Variable credit. May re-enroll 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.

815. Anatomy of the Nervous System Fall. 5(3-5) Approval of department.
Developmental, gross and microscopic anatomy of the nervous system. Organizational and functional aspects of the peripheral and central nervous system are stressed. Gross demonstrations include brain and dog dissections.

999. Research Fall, Winter, Spring. Variable credit. Majors.

ANIMAL HUSBANDRY A H

College of Agriculture and Natural Resources

111. Livestock and Meat Industry Fall, Winter, Spring. 4(3-4)
Adaptation, distribution and numbers of livestock throughout the world; significance and economic importance. Trends in livestock production. Evaluating, grading, classifying and marketing of livestock and meat. Relationship of live animal conformation to carcass merit.

241. Meat Production Winter. 5(3-6) 111.

244. Meats, Poultry and Fishery Products I Fall, 3(3-6) Interdepartmental with approval from Food Science. Principles of evaluation and nutritive value. Identification of grades and cuts of beef, pork, lamb and poultry products.

245. Meat Evaluation and Grading Fall, Winter. 1 to 3 credits. May re-enroll for a maximum of 5 credits subject to a maximum of 10 credits in 245 and 335 combined. 241.
Evaluation of carcasses and wholesale cuts of beef, pork, veal and lamb in accordance with federal and commercial grading standards. Inspection trips through large meat packing plants.

335. Livestock Selection Fall, Winter, Spring. 1 to 3 credits. May re-enroll for a maximum of 9 credits subject to a maximum of 10 credits in 245 and 335 combined. 111.
Evaluation of productive merit of individual animals. Comparison of type with a standard. Relationship of form to function. Field trips to prominent livestock breeding establishments and to major livestock events.

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

IDC. The Impact of Animal Resource Management Upon the World's Developing Nations For course description, see Interdisciplinary Courses.

451. Seine 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.

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