SMALL ANIMAL SURGERY AND MEDICINE

College of Veterinary Medicine

504. Small Animal Clinic I
Fall, Winter, Spring, Summer. 3(0-10)
Eighth-term or ninth-term Veterinary Medicine students.
Concepts and practices of clinical veterinary medicine. Rotation through hospital services, including outpatient clinic, medicine, surgery, radiology, clinical pathology, and pharmacy.

511. Small Animal Surgery and Medicine I
(VSM 511) Fall, Spring. 8(7-3)
Second-term Veterinary Medicine students.
Basic surgery. Laboratory and lectures with television demonstrations. Anesthesiology, basic radiology, small animal husbandry, and diseases of the upper digestive system.

512. Small Animal Surgery and Medicine II
(VSM 512) Winter, Summer. 7(6-2)
Diseases of musculoskeletal, digestive and respiratory systems. Includes radiology and surgical laboratory with demonstrations.

513. Small Animal Surgery and Medicine III
(VSM 513) Fall Spring. 7(7-0) 513.
Diseases of respiratory, endocrine, cardiovascular, hematopoietic and integumentary systems and specific infectious diseases. Includes radiographic and surgical techniques.

504. Small Animal Clinic II
(VSM 604) Fall, Winter, Spring, Summer. 12(0-30) 504.
Concepts and practices of clinical veterinary medicine. Rotation through hospital services. Diagnoses, prognosis, treatment, and prevention of disease through handling of clinic patients under direct supervision of staff veterinarians.

514. Small Animal Surgery and Medicine IV
(VSM 614) Winter, Summer. 3(3-0)
Occurrence, etiology, symptomatology, diagnosis, treatment and prevention of diseases of nervous system, organs of special sense, physical and chemical agents and neoplasia.

651. Clinico-Pathologic Conference
(VSM 651) Fall, Winter, Spring, Summer. 0 or 1(1-0) May re-enroll for a maximum of 7 credits. Professional Veterinary Medicine students.
Clinico-pathologic conference on selected clinical cases. Students will be required to enroll each term (first nine terms) without credit and may re-enroll for a maximum of 7 credits. Professional Veterinary Medicine students.

605. Problems in Small Animal Surgery
(VSM 805) Fall, Winter, Spring, Summer. Variable credit.

610. Problems in Small Animal Medicine
(VSM 810) Fall, Winter, Spring, Summer. Variable credit.

613. Seminar
(VSM 813) Fall, Winter, Spring. 1 credit.

*Established November 1, 1968. Formerly a part of the Department of Veterinary Surgery and Medicine.

822. Bone and Joint Surgery
Fall, Winter, Spring, Winter. 3(2-4) Approval of department.
Fundamentals, theory and practice covering the various conditions and surgery of bones and joints.

823. Special Surgery
(VSM 823) Spring. 3(1-6) May re-enroll for a maximum of 6 credits. Approval of department.
Surgical technique and tissue reactions following surgery in small animals.

825. Advanced Anesthesiology
(VSM 825) Winter. 4(2-3) Approval of department.
Principles of drug action pertaining to anesthetics will be discussed including respiratory and cardiovascular effects of inhalation and intravenous agents. Anesthetic techniques for various animal species will be presented.

826. Cardiology
(VSM 826) Fall. 3(2-4) Approval of department.
Study recent advances in veterinary cardiology. Includes electrocardiography, congenital and acquired diseases, cardiac catheterization and surgery.

828. Radiology
(VSM 828) Spring. 3(3-0)
Advanced Roentgen diagnosis, with particular emphasis on early detection of diseases of bone. Problem studies concurrent with course.

511. Sociology
Fall, Winter, Spring, Summer. 511.
Problems of equalizing opportunity in American society, Emergence of an international community.

512. Sociology
Fall, Winter, Spring, Summer. 512.
D. Social, political and economic features of modern societies. Focus upon universal problems such as socialization, culture contact, economic organization and distribution of power. Comparison of the American solution to contrasting approaches of other societies.

504. Social Science
Fall, Winter, Spring, Summer. 4(4-0)
Four credits in a 523 track.
A. Problems of change. Achieving national, political, economic and social objectives in the emerging nations. The Soviet Union and directed change. Problems of reconciling national self-interest with the needs for world peace.
B. The individual and emergent social problems. Social pathology and deviance in contemporary societies. Forces involved in inducing and reducing stress and strain in individuals within different social settings. Selected problem areas.
C. Impact of American Society on relations with other nations. Conflicts and alternatives in foreign policy. Changing world conditions and their influence upon American society. Emergence of an international community.

505. Social Science
Fall, Winter, Spring, Summer. 4(4-0)
D. Social, political and economic features of modern societies. Focus upon universal problems such as socialization, culture contact, economic organization and distribution of power. Comparison of the American solution to contrasting approaches of other societies.

300. Supervised Individual Study
Fall, Winter, Spring. 1 to 4 credits.
A. Problems of change. Achieving national, political, economic and social objectives in the emerging nations. The Soviet Union and directed change. Problems of reconciling national self-interest with the needs for world peace.
B. The individual and emergent social problems. Social pathology and deviance in contemporary societies. Forces involved in inducing and reducing stress and strain in individuals within different social settings. Selected problem areas.
C. Impact of American Society on relations with other nations. Conflicts and alternatives in foreign policy. Changing world conditions and their influence upon American society. Emergence of an international community.

301. Social Science
Fall, Winter, Spring. 4(4-0)
A. Social science as an approach to knowledge and reality. The nature of social change. The individual in society and culture. Problems of equalizing opportunity in American society, economic, educational, associational and political. The problem of degeneration.
B. Interdisciplinary approach to understanding forces which impinge upon contemporary man and shape his current and emergent social problems. Nature and relationship of personality, society and culture.
C. Social problems examined within the context of political, economic, and social institutions and major values themes. Impact of social-estatistical factors on family, school, peer group, and community.
D. Interdisciplinary approach to the understanding of political ideologies and their underlying societal reality. Nature and sources of ideologies; modernization; examination of social values; interrelations of behavioral science; modernization of traditional societies; problems and alternative strategies.

SOCIAL SCIENCE

University College

SOCIAL SCIENCE

SOCIAL SCIENCE (COLLEGE OF)

210. Methods of Social Science I
Fall, Winter, Spring. 4(4-0)
S S 232 or concurrently.
Characteristics of social science theory and methods. Logical and practical aspects of data collection; standard techniques of investigation in the social sciences.
211. Methods of Social Science II  
Fall, Winter, Spring, Summer. 4(3-0)


390H. Perspectives in Social Science  
Fall, Winter, Spring. 4(4-0) Juniors; approval of the Honors College. Preference given to majors in Social Science and professional schools of the College of Social Science. Seminars in selected topics in areas of knowledge represented by the social science disciplines and allied professional fields.

480. Contemporary Social Problems in the United States  
Fall, Winter. 4(4-0) To receive credit both 480 and 481 must be completed satisfactorily. 24 credits in social science. Seminars dealing with major theoretical and social problems in the United States, such as urban redevelopment, new steps in evolution of American life-styles, and domestic factors affecting the United States' interactions with the outside world. A multidisciplinary approach involving specialists from the social sciences and allied professional fields.

481. Contemporary Social Problems in the United States  
Winter, Spring. 4(4-0) To receive credit both 480 and 481 must be completed satisfactorily. 24 credits in social science. Seminars dealing with major theoretical and social problems in the United States, such as economic and educational development, population explosions, war crises, and peace-keeping. A multidisciplinary approach involving specialists from the social science disciplines and allied professional fields.

483. Contemporary Social Problems Abroad  
Winter, Spring. 4(4-0) To receive credit both 482 and 483 must be completed satisfactorily. 482. Continuation of 482.

482. Contemporary Social Problems Abroad  
Fall, Winter. 4(4-0) To receive credit both 482 and 483 must be completed satisfactorily. 482. Continuation of 482.

490. Individual Research Projects  
Fall, Winter, Spring. 4 credits. May re-enroll for a maximum of 8 credits. Multidisciplinary social science majors and 12 credits in social sciences—agricultural economics, anthropology, economics, geography, political science, psychology and sociology. Individually supervised study and research on a topic using a multidisciplinary approach.

810. Introduction to Linear System Theory  
Fall. 3(3-0) MTH 214. Interdepartmental with the Computer Science Department and Systems Science and administered by Systems Science.

811. System Methodology and Simulation  
Winter. 3(3-0) 810, STH 441. Interdepartmental with the Computer Science Department and Systems Science and administered by Systems Science.

813. System Project  
Spring. 3(1-0) 811. Interdepartmental with the Computer Science Department and Systems Science and administered by Systems Science.

999. Research  
Fall, Winter, Spring, Summer. Variable credit. Approval of college.

SOCIAL WORK

College of Social Science

205. Contemporary Social Work  
Fall, Winter, Spring, Summer. 3(3-0) Role of the social worker in relation to social issues and human needs; social service programs, structures and functions of public and voluntary agencies in a changing society.

228. Marriage  
Fall, Winter, Spring. 4(4-0) Students may not receive credit in both 228 and FCS 145. Examination of marriage and the family, from a social work point of view. Consideration of such areas of adjustment as emotional, physical, social, financial, religious and legal.

311S. Summer Projects  
Summer. 1 to 3 credits. Juniors; approval of school. Not open to students in residence. Constructive work experience in social centers, summer camps, city recreation departments, state welfare institutions, and other approved agencies and organizations. Weekly progress reports and final written evaluation of total experience required.

322. Child Welfare  
Winter. 3(3-0) Juniors; SOC 351 or PSY 345. Child welfare movement and contemporary children's agencies and their services. Programs for improving home and foster care, substitute care, safeguarding health, employment protection, delinquency prevention, and other needs of children and youth.

367. Social Services in Selected Settings  
Fall, Winter, Spring, Summer. 2(2-0) Junior majors, 205. Self-instruction laboratory and classroom discussion of social agency programs.

400H. Honors Work  
Fall, Winter, Spring, Summer. 1 to 6 credits. Juniors; approval of school. Study of a problem, phase or field of social work; seminar for particularly able students.