SMALL ANIMAL CLINICAL SCIENCES

College of Veterinary Medicine

500. Veterinary Management of Unusual Animals
Fall, Spring, Summer. 2(2-0) Satisfactory completion of term 8 of the professional veterinary curriculum.
Veterinary management of laboratory animals, reptiles, birds, fish, and wild species kept as pets. Emphasis on capture, restraint and anesthesia, diagnosis and treatment of common diseases.

621. Anesthesiology Clerkship
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 9, approval of department.
Supervised anesthesiology practice.

622. General Medicine/ICU Clerkship
Fall, Winter, Spring, Summer. 6 credits. Completion of 8 terms of professional program, approval of department.
Diagnostic and therapeutic plans and procedures for pet animal patients presented by appointment and as emergencies.

623. Radiology Clerkship
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 9, approval of department.
Supervised radiology practice.

624. Small Animal Surgery Clerkship
Fall, Winter, Spring, Summer. 6 credits. Completion of 8 terms of professional program, approval of department.
Soft tissue and orthopedic surgery in companion animals.

631. Problems in Anesthesiology
Fall, Winter, Spring, Summer. 3 credits. SCS 621. Completion of 9 terms of professional program, approval of department.
Anesthesiology problems.

634. Problems in Soft Tissue Surgery
Fall, Winter, Spring, Summer. 3 credits. SCS 624. Completion of 9 terms of professional program, approval of department.
Soft tissue surgery problems.

660. Cardiology Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Cardiology practice.

661. Internal Medicine Clerkship
Fall, Winter, Spring, Summer. 4 credits. SCS 624. Completion of 8 terms of professional program, approval of department.
Supervised internal medicine practice.

662. Oncology Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Oncology practice.

663. Ophthalmology Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Ophthalmology practice.

665. Zoology and Wildlife Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Zoo animal and wildlife medicine and surgery.

666. Neurology Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Neurology practice.

671. Problems in Internal Medicine
Fall, Winter, Spring, Summer. 3 credits. SCS 661. Completion of 8 terms of professional program, approval of department.
Internal medicine problems.

673. Problems in Clinical Ophthalmology
Fall, Winter, Spring, Summer. 3 credits. SCS 663. Completion of 8 terms of professional program, approval of department.
Ophthalmology problems.

674. Problems in Orthopedic Surgery
Fall, Winter, Spring, Summer. 3 credits. SCS 664. Completion of 9 terms of professional program, approval of department.
Orthopedic surgery problems.

680. Special Problems Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Clinical training utilizing problem cases.

681. Dermatology Clerkship
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.
Dermatology practice.

808. Problems in Small Animal Surgery
Fall, Winter, Spring, Summer. 1 to 12 credits. May reroll for a maximum of 20 credits.

810. Problems in Small Animal Medicine
Fall, Winter, Spring, Summer. 1 to 12 credits. May reroll for a maximum of 20 credits.

813. Seminar
Fall, Winter, Spring. 1 credit.

825. Advanced Anesthesiology
Winter. 3(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
Fall of odd-numbered years. 4 credits. Approval of department.
Study recent advances in veterinary cardiology. Includes electrocardiography, congenital and acquired diseases, cardiac catheterization and surgery.

599. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. May enroll for a maximum of 18 credits. Approval of department.
Research on thesis problems.

SOCIAL SCIENCE

College of Social Science

201. Americans and Their Values (S)
Fall, Winter, Spring. 4(4-0)
Processes by which individuals are socialized to the prevailing patterns of behavior by such agencies as family, school, peer groups, mass media and church. Part played by each in the development of personality.

202. Power in America (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 201, or S S 211, or S S 221, or S S 241 recommended, S S 201 preferred.
Problems of regulating and controlling human behavior. Emphasis placed on major economic and political institutions involved in social control. This includes problems of human wants and needs.

203. America and World Problems (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 202, S S 212, S S 222 or S S 242 recommended, S S 202 preferred.
The international scene with the focus on problems of economic development, conflict among the nation-states and attempts at conflict control.

211. Becoming Human: The Social Scientific Perspective (S)
Fall, Winter, Spring, Summer. 4(4-0)
The biobehavioral determinants of human behavior. Theories and empirical findings of the behavioral sciences are used to develop an understanding of the human experience.

212. Coping with Changing Institutions in Modern Society (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 201, S S 211, S S 221 or S S 241 recommended, S S 211 preferred.
Individuals and the changing institutional framework of modern society. Emphasis on socialization enabling personality systems in different cultural settings to cope with life in the future.

213. Casualties of Contemporary Society (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 202, S S 212, S S 222 or S S 242 recommended, S S 212 preferred.
The meaning of deviant behavior and personal disorganization and their impact on society. Selected problems examined in depth.

221. The Individual and Metropolitan Society (S)
Fall, Winter, Spring, Summer. 4(4-0)
Factors and directions in metropolitan change. Impacts on life styles and life strategies of individuals and groups. Challenges to traditional family, educational and community patterns.

222. Economics, Politics and the Individual in the Metropolis (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 201, S S 211, S S 221, S S 241, recommended, S S 221 preferred.
Patterns of economic and political participation: The impact on the individual. Employment security and job satisfaction, economic rewards, political power and civil rights. Intermeshing of economic and political activities.
SOCIAL SCIENCE (COLLEGE OF)

201. Introduction to Women's Studies: Women's Consciousness
   (IDC 281) Winter, Spring, 4(4-0)
   Intermediate Department with the College of Arts and Letters and Women's Studies Program. Administered by Women's Studies Program.
   Development of women's consciousness in various historical, cross-cultural and scientific contexts. Contexts basic to feminist thought are clarified. Critique of sexism in traditional scholarship.

212. International Issues (MTC)
   Fall, Winter, Spring, 4(4-0)
   May reenroll for a maximum of 5 credits if different topics are taken. Intermediate department with James Madison College.
   Contemporary international political, economic, social, moral and humanistic topics. Separate multidisciplinary topics will be offered at different times.

292. Selected Topics
   Fall, Winter, Spring, 3 to 5 credits.
   May reenroll for a maximum of 6 credits if different topic is taken.
   Interdisciplinary study of topics in the social sciences.

300. Supervised Individual Study
   Fall, Winter, Spring, Summer, 2 to 4 credits.
   5 credits completed in general education social science, approval of department.
   Selected students requesting an individual study of interdisciplinary problems will work under supervision of University College professors. Variable elective credit will be determined when the student secures instructor, adviser, and department approval.

301. Social Science — Description of Courses

447. Refugees, Displaced Persons, Exiles
   Winter, 4(4-0) Juniors.
   refugee problems caused by the emergence of new nations, persecution, war, tyranny. Definition, description, and analysis of refugees, history, causes, consequences. Political, legal, sociological, psychological, economic and historical problems examined.

448. Issues in Refugee Assistance
   Spring, 4(4-0) Juniors.
   Refugee problems, programs, and policies in developed and developing countries. Camps, refugee, internment, repatriation, integration, resettlement. Problems of assistance, adjustment, politics. Roles of governments, international and voluntary agencies.

491H. Perspectives in the Social Sciences and Humanities
   Fall, Winter, Spring, 2 to 6 credits.
   May reenroll for a maximum of 12 credits if different topic is taken. Junior, approval of honors college admission. Intermediate department with and administered by the College of Arts and Letters.
   Analysis of subject matter and methodologies of several disciplines as they are relevant to particular topics.

492. Integrative Studies
   Fall, Winter, Spring, Summer, 2 to 5 credits.
   May reenroll for a maximum of 10 credits if different topics are taken. Juniors. Topics which require an integration within or among the social sciences.

495. Foreign Area Field Study
   Fall, Winter, Spring, Summer, 3 to 15 credits.
   May reenroll for a maximum of 24 credits. Juniors and 12 credits in social science.
   Study in a variety of foreign settings under the guidance of an adviser, such as American University Field Study Center in Rome and Singapore.

498. Social Science Internship
   Fall, Winter, Spring, Summer, 3 to 14 credits.
   May reenroll for a maximum of 14 credits. College of Social Science major or approval of college; junior; one methods course. 16 credits in a social science discipline or professional school.
   Internship in the social sciences. Applying methods and concepts from the social sciences in career-related settings.

510. Introduction to Linear System Theory
   Fall, 3(3-0) MT 214. May not be used for graduate credit by Electrical Engineering and Systems Science majors except Operations Research/Systems Science majors.
   Intermediate department with and administered by Systems Science.
   A first course in system theory for students from a range of disciplines. Mathematical representation of system variables, transform and state space method of analysis, introduction to control theory, application to physical, economic and social systems.

811. System Methodology and Simulation
   Winter, 3(3-0) SYS 510, 5T 441.
   Intermediate department with and administered by Systems Science.
   Problem definition, design of abstract models for system design and control, simulation of systems described by differential and difference equations, generation of random variables, simulation of discrete object stochastic systems, simulation languages, applications to physical, economic and social systems.