644 Dermatology Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 681. 
Diagnosis and treatment of small animal dermatological disorders.

645 Intensive Care Unit Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 622. 
Intensive care and management of critically ill small animals.

646 Small Animal Orthopedic Clerkship  
Fall, Spring, Summer. 3 credits. RB: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in the College of Veterinary Medicine. Not open to students with credit in SCS 624. 
Diagnosis and preoperative, surgical, and postoperative care of patients requiring routine and major orthopedic surgical procedures.

647 Small Animal Internal Medicine Clerkship  
Fall, Spring, Summer. 3 credits. RB: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in the College of Veterinary Medicine. Not open to students with credit in SCS 661. 
Diagnosis and therapy for complicated medical cases of small animals.

648 Anesthesia Clerkship  
Fall, Spring, Summer. 3 credits. R: Completion of semester 5 of the professional veterinary program. Not open to students with credit in SCS 621. 
Pre-anesthesia evaluation, induction, monitoring, and recovery of small animal patients requiring routine and major surgical procedure.

650 Advanced Cardiology  
Spring. 3 credits. RB: (SCS 640) R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Advanced cardiology practice.

651 Advanced Comparative Ophthalmology Clerkship  
Spring. 3 credits. RB: (SCS 641) R: Completion of Semester 5 of the graduate-professional program in the College of Veterinary Medicine and approval of department. 
Problem-oriented approach to complex ocular disease processes at the gross and microscopic levels.

653 Problems in Neurology Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (SCS 643) R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Neurologic problems.

655 Problems in Orthopedic Surgery Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: (SCS 646) R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Orthopedic surgery problems.

657 Problems in Internal Medicine Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (SCS 647) R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Internal medicine problems.

658 Problems in Anesthesiology Clerkship  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (SCS 648) R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Advanced practice of anesthesiology in the teaching hospital setting.

690 Veterinary Molecular Biology Clerkship  
Fall, Spring. Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Concepts and techniques of veterinary molecular biology.

693 Problems in Small Animal Clinical Sciences Clerkship  
Fall, Spring. Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. 
Special problems.

694 Small Animal Specialty Practice Clerkship  
Fall, Spring. Summer. 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: Completion of semester 5 of the professional veterinary program. R: Open only to fourth year graduate-professional students in the College of Veterinary Medicine. 
Supervised, off-campus, specialty practice experience in an assigned veterinary practice or other school of veterinary medicine.

695 Emergency and Critical Care Medicine  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in the College of Veterinary Medicine. 
Admission, triage, diagnosis, treatment, and discharge of patients entering an emergency service. Daily instructional rounds.

808 Problems in Small Animal Surgery  
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Open only to graduate students in Small Animal Clinical Sciences.

813 Small Animal Seminar  
Fall, Spring, Summer. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to graduate students in Small Animal Clinical Sciences.

899 Master's Thesis Research  
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate students in Small Animal Clinical Sciences.
Master's thesis research.

SOCIAL SCIENCE  

Social Science  
College of Social Science  

101 Preview of Science  
Fall. 1(1-0) Interdepartmental with Natural Science; Agriculture and Natural Resources; Engineering; Administered by Natural Science. R: Approval of college. 

192 Environmental Issues Seminar  
Fall, Spring. 1 credit. A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Natural Science; Agriculture and Natural Resources; Engineering; Communication Arts and Sciences. Administered by Natural Science. 
R: Open only to students in the College of Agriculture and Natural Resources or College of Engineering or College of Natural Science or College of Communication Arts and Sciences or College of Social Science. Approval of college.
Environmental issues and problems explored from a variety of perspectives, including legal, scientific, historical, political, socio-economic, and technical points of view.

290 Selected Topics in Social Science  
Fall, Spring, Summer. 1 to 3 credits. R: Approval of college. 
A student may earn a maximum of 6 credits in all enrollments for this course. Topics may cover contemporary, theoretical, or applied issues or interdisciplinary approaches.

390 Disease in Society: An Introduction to Epidemiology and Public Health  
Spring. 3(3-0) Interdepartmental with Epidemiology. Administered by Department of Epidemiology. 
Human epidemiology and population health issues facing contemporary society, in both developed and less developed settings. Health-related information in the mass media and scholarly publications.

490 Special Topics in Social Science  
Fall, Spring, Summer. 1 to 6 credits. R: Approval of college. 
A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students. Topics may cover contemporary, theoretical, or applied issues or interdisciplinary approaches.
SOCIAL WORK

School of Social Work
College of Social Science

200 Introduction to Social Work
Fall, Spring, (3-0)
Social work practice, ethics, and values, in the context of social welfare policy in the United States.

310 Human Behavior and Social Environment
Fall, 3(3-0) P:M: (SOC 100 and PSY 101 and SW 200) and (PSY 200 or PSY 235 or PSY 236 or PSY 239 or PSY 244 or PSY 270 or PSY 280) and (ISB 204 or PSL 101 or PSL 200 or ZOL 341 or PSY 299) R: Open only to juniors or seniors in the School of Social Work.
General systems and ecological theories within the context of lifespan development as applied to social work.

320 Social Work and Social Policy I
Fall, 3(3-0) P:M: (SW 200 and PLS 100) and (EC 201 or EC 202) R: Open only to juniors or seniors in the School of Social Work.
History of social work and of public policy in welfare, health and civil rights. Roles of social work professionals in policy analysis, implementation and evaluation.

340 Foundations of Social Work Practice
Spring, 3(3-0) P:M: (SW 310 and SW 320) R: Open only to juniors or seniors in the School of Social Work.
Ethical and philosophical basis for generalist social work practice. Interviewing skills, assessment, and problem solving within an ecological-systems and developmental framework.

400 Social Work Practice with Individuals, Families, and Groups(W)
Fall, 3(3-0) P:M: (SW 340) R: Open only to juniors or seniors or graduate students in the School of Social Work.
Concepts and methodology for scientific evaluation of social work practice. Theory construction, research design, sampling, and data collection.

411 Social Work Practice with Task Groups, Organizations and Communities
Spring, 3(3-0) P:M: (SW440) R: Open only to juniors or seniors in the School of Social Work.
Planning and social intervention with task groups, organizations and communities.

420 Social Work and Social Policy II
Fall, 3(3-0) P:M: (SW 340) R: Open only to juniors or seniors in the School of Social Work.
Application of social welfare policy to social work agencies. Current changes in welfare, health, and civil rights policy and their impact on social work clients. Diversity, social justice, and international policy issues.

430 Research Methods in Social Work I
Fall, Summer, 4(3-2) P:M: (MTH 106 or MTH 110 or MTH 114 or MTH 116 or MTH 124 or MTH 132 or MTH 201 or MTH 152H or STT 200 or STT 201) R: Open only to juniors or seniors or graduate students in the School of Social Work.
Research processes employing quantitative methods in the measurement of outcomes of social work intervention.

490 Independent Study in Social Work
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students. Approval of school.
Individual reading and research supervised by a Social Work faculty member.

490H Honors Independent Study
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to Honors College juniors or seniors. Approval of school.
Study of a problem, phase or field of social work.

491 Special Topics in Social Work
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students or approval of school.
Selected topics in social work. Topics include community dynamics or practice issues.

492 Seminar in Social Work
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students in the School of Social Work or approval of school.
Selected professional issues, trends, programs or methods in social work including comparative analysis of national social welfare and social work systems.

494A Social Work Field Instruction: Generalist Practice I
Fall, 9(1-16) P:M: (SW 340) R: Open only to seniors in the School of Social Work. C: SW 440 concurrently.
Professionally supervised generalist social work practice in approved community agencies and campus-based seminar. Integration and application of concepts in social work practice.