

Small Animal Clinical Sciences—SCS

- 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.
- 656 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. RB: (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 SSC

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.
Overview of natural sciences. Transitional problems. Communications and computer skills. Problem solving skills. Diversity and ethics problems in science. Science and society.
- 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. 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. 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.

- 493 Social Science Internship**
 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 in the College of Social Science. Approval of college.
 Methods and concepts from social and behavioral sciences applied in career-related settings.
- 496 Field Study Abroad**
 Fall, Spring, Summer. 3 to 10 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to juniors or seniors. Approval of college.
 Study abroad under MSU faculty supervision. Social behavior and processes in selected countries.
- 499 Directed Research in Interdisciplinary Studies in Social Science (W)**
 Fall, Spring, Summer. 3 credits. P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Interdisciplinary Studies in Social Science major. Approval of college.
 Directed individual and small group research under faculty supervision in the student's Interdisciplinary Concentration.
- 828 Food Safety Seminar Series**
 Fall, Spring. 1(1-0) Interdepartmental with Veterinary Medicine; Agriculture and Natural Resources; Natural Science. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related discipline
 Selected current topics covering the broad areas of food safety as they relate to production, processing, transport, microbiology, toxicology, and social and human dimensions.
- 829 Problems in Food Safety**
 Fall. 1(1-0) Interdepartmental with Veterinary Medicine; Agriculture and Natural Resources; Natural Science. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related discipline
 In-depth discussion of selected problems in food safety.
- 890 Special Topics in Social Science**
 Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to graduate students.
 Topics may cover contemporary, theoretical, or applied issues or interdisciplinary approaches.
- 999 Doctoral Dissertation Research**
 Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course.
 Doctoral dissertation research.

- 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 250 or ZOL 341 or PSY 209) 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.
- 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.
- 431 Research Methods in Social Work II**
 Spring, Summer. 3(3-0) P:M: (SW 430) 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.
- 440 Social Work Practice with Individuals, Families, and Groups(W)**
 Fall. 3(3-0) P:M: (SW 340) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the School of Social Work. C: SW 494A concurrently.
 Social work intervention with individuals, families, and small groups.
- 441 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. C: SW 494B concurrently.
 Planning and social intervention with task groups, organizations and communities.

- 470 Foreign Area Studies in Social Work**
 Fall, Spring, Summer. 2 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 in the School of Social Work.
 Social work issues in settings outside the continental U.S.A.
- 471 Child Welfare**
 Fall. 3(3-0) R: Open only to juniors or seniors or graduate students.
 Social work practice and policy approaches to intervention. Needs and problems of children from the prenatal period through infancy, childhood, and adolescence.
- 472 Social Work in Health Care**
 Fall. 3(3-0) R: Open only to juniors or seniors or graduate students.
 Psychosocial impact of illness and trauma. Social work practice in health care settings. Role of culture, values, and life style.
- 474 Substance Abuse and the Human Services**
 Spring of odd years. 3(3-0) R: Open only to juniors or seniors or graduate students.
 Theories, assessment, intervention, and service delivery models.
- 490 Independent Study in Social Work**
 Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to juniors or seniors. Approval of school required.
 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. 5(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.

SOCIAL WORK

SW

**School of Social Work
 College of Social Science**

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