

## Descriptions — Small Animal Clinical Sciences of Courses

**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.

**810. Problems in Small Animal Medicine**  
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.

**826. Cardiology**  
Fall of even-numbered years. 3(3-0)  
R: Open only to graduate students in Small Animal Clinical Sciences.  
Advances in veterinary cardiology. Congenital and acquired diseases. Electrocardiology, cardiac catheterization, and surgery.

**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.

## SOCIAL SCIENCE SSC

### College of Social Science

**101. Preview of Science**  
Fall. 1(1-0) Interdepartmental with Natural Science, Agriculture and Natural Resources, and 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(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Natural Science, Agriculture and Natural Resources, and Engineering. Administered by Natural Science.  
R: Open only to students in the College of Agriculture and Natural Resources, College of Engineering, College of Natural Science, and 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.

**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 and seniors in 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 and 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.  
R: Open only to juniors and seniors in the Interdisciplinary Studies in Social Science major. Approval of college. Completion of Tier I writing requirement.  
Directed individual and small group research under faculty supervision in the student's Interdisciplinary Option.

**999. Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 36 credits in all enrollments for this course.

## 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.

**310. Human Behavior and Social Environment**  
Fall. 3(3-0)  
P: SW 200, PSY 101, SOC 100, PSY 236, PSL 101. R: Open only to majors in Social Work.  
General systems and ecological theories within the context of lifespan development as applied to social work.

**320. Social Work and Social Policy**  
Fall. 3(3-0)  
P: SW 200, PLS 100, EC 202. R: Open only to majors in 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: SW 310, SW 320. R: Open only to majors in Social Work.  
Ethical and philosophical basis for generalist social work practice. Interviewing skills, assessment, and problem solving within an ecological-systems and developmental framework.

**430. Research Methods in Social Work I**  
Spring, Summer. 3(3-0)  
P: Completion of University mathematics requirement.  
R: Open only to majors in 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**  
Fall, Summer. 3(3-0)  
P: SW 430. R: Open only to majors in 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 and Families (W)**  
Fall. 3(3-0)  
P: SW 340. C: SW 494A concurrently. R: Open only to Social Work seniors, approval of school. Completion of Tier I writing requirement.  
Social work intervention with individuals, families, and small groups.

**441. Social Work Practice with Groups, Organizations and Communities**  
Spring. 3(3-0)  
P: SW 440. C: SW 494B concurrently. R: Open only to seniors in Social Work.  
Planning and social intervention. Assessment of persons, situations, and environment.

**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 majors in 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, seniors, and graduate students in the School of Social Work.  
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, seniors and graduate students.  
Psychosocial impact of illness and trauma. Social work practice in health care settings. Role of culture, values, and life style.

**473. Rural Social Work**  
Spring of even-numbered years. 3(3-0)  
R: Open only to juniors, seniors, and graduate students.  
Characteristics of rural persons and communities. Implications for social work roles, programming, service delivery, research, and practice.

**474. Substance Abuse and the Human Services**  
Spring of odd-numbered years. 3(3-0)  
R: Open only to juniors, seniors, and 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 and seniors. Approval of instructor and school.  
Individual reading and research supervised by a Social Work faculty member.

**490II. 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 Social Work majors. Approval of school.  
Study of a problem, phase or field of social work.

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

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