

Descriptions – Small Animal Surgery and Medicine

of

Courses

- 623. Radiology Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised radiology practice.
- 624. Soft Tissue Surgery Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised soft tissue surgery.
- 631. Problems in Anesthesiology**
Fall, Winter, Spring, Summer. 4 credits. SSM 621, approval of department.
Supervised anesthesiology problems.
- 634. Problems in Soft Tissue Surgery**
Fall, Winter, Spring, Summer. 4 credits. SSM 624, approval of department.
Supervised soft tissue surgery problems.
- 660. Cardiology/Neurology Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised cardiology and neurology practice.
- 661. Internal Medicine Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised internal medicine practice.
- 662. Oncology Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised oncology practice.
- 663. Ophthalmology Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised ophthalmology practice.
- 664. Orthopedic Surgery Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised orthopedic surgery.
- 665. Zoo and Wildlife Clerkship**
Fall, Winter, Spring, Summer. 4 credits. Satisfactory completion of term 8 of the professional veterinary curriculum, approval of department.
Supervised zoo animal and wildlife medicine and surgery.
- 671. Problems in Internal Medicine**
Fall, Winter, Spring, Summer. 4 credits. SSM 661, approval of department.
Supervised internal medicine problems.
- 673. Problems in Clinical Ophthalmology**
Fall, Winter, Spring, Summer. 4 credits. SSM 663, approval of department.
Supervised ophthalmology problems.
- 674. Problems in Orthopedic Surgery**
Fall, Winter, Spring, Summer. 4 credits. SSM 664, approval of department.
Supervised orthopedic surgery problems.
- 808. Problems in Small Animal Surgery**
Fall, Winter, Spring, Summer. Variable credit.
- 810. Problems in Small Animal Medicine**
Fall, Winter, Spring, Summer. Variable credit.
- 813. Seminar**
Fall, Winter, Spring. 1 credit.
- 825. Advanced Anesthesiology**
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**
Fall of odd-numbered years. 3(2-4) Approval of department.
Study recent advances in veterinary cardiology. Includes electrocardiology, congenital and acquired diseases, cardiac catheterization and surgery.
- 899. Master's Thesis Research**
Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 18 credits. Approval of department.
Research on thesis problems.
- 203. American 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. The Emergence of Man (S)**
Fall, Winter, Spring, Summer. 4(4-0)
The bio-social evolution of man. The theories and empirical findings of the behavioral sciences are brought to bear upon the nature of man.
- 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.
- 223. World Urbanization: Cultures and Common Issues (S)**
Fall, Winter, Spring, Summer. 4(4-0) S S 202, S S 212, S S 222 or S S 242 recommended; S S 222 preferred.
The unity of urban life patterns and the emergence of modern-day urban problems. Cultural variations in approach to issues-comparative political, social, economic, ideological systems.
- 241. Cultures in Crisis (S)**
Fall, Winter, Spring, Summer. 4(4-0)
The nature and sources of social cohesion. Approaches to the modernization of traditional societies. Problems and alternative strategies of nation building.
- 242. Freedom and Justice (S)**
Fall, Winter, Spring, Summer. 4(4-0) S S 201, S S 211, S S 221 or S S 241 recommended; S S 241 preferred.
Ideologies of change in the modern world-sources, appeals, problems. Issues of social justice and individual freedom.

SOCIAL SCIENCE S S

College of Social Science

For the University's General Education requirement in the Social and Behavioral Sciences general knowledge area, refer to *Undergraduate Education in the Academic Programs* section of the University catalog.

In satisfaction of the University General Education requirement, no more than one course may be taken in each of the following groups:

1. 201, 211, 221, 241
2. 202, 212, 222, 242
3. 203, 213, 223, 243

Additional courses may be taken for elective credit.

243. War and Morality (S)
Fall, Winter, Spring, Summer. 4(4-0)
S S 202, S S 212, S S 222 or S S 242 recom-
mended; S S 242 preferred.
Social tensions and revolutionary change. The
causes of war: international conflict and the
great powers. Strategies for peace. Man's con-
science versus state policies.

292. Selected Topics
(U C 292.) Fall, Winter, Spring. 3 to 5
credits. May reenroll for a maximum of 8 cred-
its 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. 8 credits completed in general educa-
tion social science; approval of department.
Selected students requesting 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.

SOCIAL SCIENCE SSC (COLLEGE OF)

**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. Juniors, approval of
Honors College, or approval of instructor. In-
terdepartmental with the colleges of Arts and
Letters and Justin Morrill Inter-College Pro-
grams. Administered by the College of Arts and
Letters.
An integration of subject matter and
methodologies of several disciplines as they are
relevant to particular topic areas.

492. Integrative Studies
(U C 492.) Fall, Winter, Spring, Sum-
mer. 3 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 cred-
its. Juniors and 12 credits in social science.
Study in a variety of foreign settings under the
guidance of an adviser, such as American Uni-
versity Field Study Centers in Rome and Singa-
pore.

**810. Introduction to Linear System
Theory**
Fall. 3(3-0) MTH 214. Interdepartmen-
tal with and administered by Systems Science.
A first course in system theory for students from
a range of disciplines. Mathematical representa-
tion of system variables, transform and state
space method of analysis, introduction to control
theory, applications to physical, economic and
social systems.

**811. System Methodology and
Simulation**
Winter. 3(3-0) SYS 810, STT 441. In-
terdepartmental with and administered by Sys-
tems Science.

Problem definition, design of abstract models
for system design and control, simulation of sys-
tems 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.

813. System Project
Spring. 3(1-6) SYS 811. Inter-
departmental with and administered by Sys-
tems Science.
Individual or team application of simulation
methods to system design and/or management.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Vari-
able credit. Approval of college.

SOCIAL WORK S W

College of Social Science

205. Contemporary Social Work
Fall, Winter, Spring. 3(3-0)
Role of the social worker in relation to social
issues and human needs; social service pro-
grams, 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 S W 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, so-
cial, financial, religious and legal.

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

400H. Honors Work
Fall, Winter, Spring, Summer. 1 to 16
credits. Juniors; approval of school.
Study of a problem, phase or field of social
work; seminar for particularly able students.

**417. Minorities and Women in the
World of Work**
Fall, Spring. 4(4-0) Senior majors or
approval of department. Interdepartmental
with the departments of Management and Ra-
cial and Ethnic Studies. Administered by the
Department of Management.
Racial, ethnic, sexual and other minority experi-
ences and problems in the world of work.
Awareness training approach (what it's like to
be . . .) featuring movies, guests, subgroup dis-
cussions and encounter-type exercises.

**428. Dynamics of Marriage and
Family Relations**
Winter, Spring. 3(3-0) Juniors.
Analysis of post-marital interpersonal adjust-
ment from standpoint of family social work. In-
cludes current social changes affecting these re-
lationships, and specialized services available
to families.

**430. Introduction to Transactional
Analysis**
Winter. 3(3-0) Majors in Social Sci-
ence, Education, Human Ecology, Communica-
tion; Juniors.
Major concepts of transactional analysis for
analyzing, predicting, and changing human be-
havior. Concepts are applied to social work
practice and to other helping professions.

433. Social Work as a Profession I
Fall. 3(3-0) Junior majors.
Historical development and philosophical basis
of social welfare policy in relation to methods
for problem solving at individual, group and
community levels.

434. Social Work as a Profession II
Winter. 3(3-0) S W 433.
Continuation of S W 433. Human reactions
under stress; social work intervention through
welfare organizations and social action.

435. Social Work as a Profession III
Spring. 3(3-0) S W 434.
Social welfare programs to meet human needs;
social planning for services.

439. Interviewing in Social Welfare
Fall, Winter, Spring. 3(1-4) Juniors.
Principles of interviewing as applied to social
welfare. Related laboratory experience.

440. Social Work Intervention I
Fall. 3(3-0) Senior majors, S W 467A
concurrently.
Intervention related to individuals and families
based on application of social work and social
science knowledge and utilization of interview-
ing techniques.

441. Social Work Intervention II
Winter. 3(3-0) S W 440, S W 467B con-
currently.
Continuation of S W 440. Development of tech-
niques in social work practice focused on the
situational-environmental assessment of client.

442. Social Work Intervention III
Spring. 3(3-0) S W 441, S W 467C con-
currently.
Continuation of S W 441. Advanced study of
choice and utilization of intervention modes
emphasizing social work conceptual framework
for enhancement of client social functioning.

444. Social Work in Corrections
Spring. 3(3-0) S W 205 or S W 433 or
approval of school.
Introduction to juvenile and adult probation and
parole, clinical services in juvenile institutions,
and classification in prisons. Intended for stu-
dents planning to enter corrections field.

**450. International Studies in Social
Welfare**
Fall, Winter, Spring, Summer. 3 to 12
credits. May reenroll for a maximum of 24 cred-
its. Approval of school.
Independent study or participation in formal
programs outside the United States.