

**512. Small Animal Surgery and Medicine II**  
(VSM 512.) Winter, Summer. 7(6-3)

**511.**  
Diseases of musculoskeletal, digestive and respiratory systems. Includes radiology and surgical laboratory with demonstrations.

**513. Small Animal Surgery and Medicine III**  
(VSM 513.) Fall Spring. 7(7-0) 512.

Diseases of urogenital, endocrine, cardiovascular, hematopoietic and integumentary systems and specific infectious diseases. Includes radiographic and surgical techniques.

**604. Small Animal Clinic II**  
(VSM 604.) Fall, Winter, Spring, Summer. 12(0-36) 504.

Concepts and practices of clinical veterinary medicine. Rotation through hospital services. Diagnosis, prognosis, treatment, and prevention of disease through handling of clinic patients under direct supervision of staff veterinarians.

**614. Small Animal Surgery and Medicine IV**  
(VSM 614.) Winter, Summer. 3(3-0)  
Sixth-term Veterinary Medicine students.

Occurrence, etiology, symptomatology, diagnosis, treatment and prevention of diseases of nervous system, organs of special sense, physical and chemical agents and neoplasia.

**651. Clinico-Pathologic Conference**  
(VSM 651.) Fall, Winter, Spring, Summer. 0 or 1(1-0) May re-enroll for a maximum of 2 credits. Professional Veterinary Medicine students.

Clinico-pathologic conference on selected clinical cases. Students will be required to enroll each term (first nine terms) without credit and in terms ten and eleven for 1 credit each term.

**808. Problems in Small Animal Surgery**  
(VSM 808.) Fall, Winter, Spring, Summer. Variable credit.

**810. Problems in Small Animal Medicine**  
(VSM 810.) Fall, Winter, Spring, Summer. Variable credit.

**813. Seminar**  
(VSM 813.) Fall, Winter, Spring. 1 credit.

**822. Bone and Joint Surgery**  
(VSM 822.) Winter. 3(2-4) Approval of department.  
Fundamentals, theory and practice covering the various conditions and surgery of bones and joints.

**823. Special Surgery**  
(VSM 823.) Spring. 3(1-6) May re-enroll for a maximum of 6 credits. Approval of department.  
Surgical technique and tissue reactions following surgery in small animals.

**825. Advanced Anesthesiology**  
(VSM 825.) 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**  
(VSM 826.) Fall. 3(2-4) Approval of department.

Study recent advances in veterinary cardiology. Includes electrocardiology, congenital and acquired diseases, cardiac catheterization and surgery.

**899. Research**  
(VSM 899.) Fall, Winter, Spring Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.  
Research on thesis problems.

## SOCIAL SCIENCE S S

### University College

Students may earn credit in only one of the courses in each of the following three groups:  
1. 201, 211, 221, 241  
2. 202, 212, 222, 242  
3. 203, 213, 223, 243

**201. Americans and Their Values**  
(231A.) Fall, Winter, Spring, Summer. 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**  
(232A.) Fall, Winter, Spring, Summer. 4(4-0) 201 preferred; or 211, 221, or 241.

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. A Peaceful World?**  
(233A.) Fall, Winter, Spring, Summer. 4(4-0) 202 preferred; or 212 or 222, or 242.

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**  
(231B.) 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**  
(232B.) Fall, Winter, Spring Summer. 4(4-0) 211 preferred; or 201, 221, or 241.

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**  
(233B.) Fall, Winter, Spring, Summer. 4(4-0) 212 preferred; or 202; 222, or 241.

The meaning of deviant behavior and personal disorganization and their impact on society. Selected problems examined in depth.

**221. The Changing American Metropolis: Ecology of the Urban Community**  
(231C.) Fall, Winter, Spring, Summer. 4(4-0)

Factors and directions in urban change. Impacts on life styles and life strategies of urban groups.

Challenges to traditional family, educational, and community patterns.

**222. Work and Politics in Urban America**  
(232C.) Fall, Winter, Spring, Summer. 4(4-0) 221 preferred; or 201, 211, 241.

Changing patterns of economic and political participation. Issues of employment security and job satisfaction. Distribution of economic rewards, political power, and civil rights. Inter-meshing of economic and political activities.

**223. The World's Cities: An Urban Culture and Common Problems**  
(233C.) Fall, Winter, Spring, Summer. 4(4-0) 222 preferred; or 202, 212, or 242.

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. Modernization: Political and Social**  
(231D.) 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. Modern Ideologies: Justifications of Political and Economic Power**  
(232D.) Fall, Winter, Spring, Summer. 4(4-0) 241 preferred; or 201, 211 or 221.

Ideologies of change in the modern world—sources, appeals, problems. Issues of social justice and individual freedom.

**243. Revolutionary Change and International Conflict**  
(233D.) Fall, Winter, Spring, Summer. 4(4-0) 242 preferred; or 202, 212, or 222.

Social tensions and revolutionary change. The causes of war: international conflict and the great powers. Strategies for peace. Man's conscience versus state policies.

**300. Supervised Individual Study**  
Fall, Winter, Spring. 2 to 4 credits. 8 credits completed in the Social Science Department and 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.

**344. Modernization: India and Japan**  
For course description, see Interdisciplinary Courses.

**345. Modernization: The Middle East**  
For course description, see Interdisciplinary Courses.

**346. Far East: Contemporary Issues and Problems**  
For course description, see Interdisciplinary Courses.

## SOCIAL SCIENCE SSC (COLLEGE OF)

**210. Methods of Social Science I**  
Fall, Winter, Spring, Summer. 4(4-0) Sophomores.

Characteristics of social science theory and method. Logical and practical aspects of data collection; standard techniques of investigation in the social sciences.