

**Descriptions — Romance and Classical Languages
of
Courses**

480. Major Authors of Contemporary Spanish American Literature
(445.) Winter, Spring. 4(4-0) May re-enroll for a maximum of 12 credits. 351 and 352 or approval of department.

Spanish American literature from modernism to the present. Readings from Silva, Rodo, Ruben Dario and other modernist authors; from Azuela, Gallegos, Borges, Cortazar and other major writers of prose fiction.

481H. Honors Seminar

Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 8 credits. One term of any 400 level course in Spanish, or approval of department.

Study of a specific author, work, theme or problem in Hispanic letters.

485. Chicano-Boricua Literature

(411.) Winter. 4(4-0) May re-enroll for a maximum of 12 credits. 351 and 352 or approval of department.

Readings and discussion in Spanish of works by Mexican-American and Puerto Rican authors. One term will focus on Chicano literature, the next on Puerto Rican.

499. Special Projects

Fall, Winter, Spring, Summer. 1 to 4 credits. Approval of department.

Work in areas outside regular course offerings.

800. Teaching Spanish in College

Fall, Winter, Spring. 0 to 3 credits. May re-enroll for a maximum of 3 credits.

Supervised teaching of college classes in Spanish.

802. Studies in Old Spanish Language and Literature

Fall of even-numbered years, Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.

Medieval works such as *El Cid*; *Primera cronica general*; *Milagros de nuestra senora El libro de buen amor*; ballads, and lyric poetry.

803. Workshop for Teachers of Spanish

Summer. 1(1-0) to 6(6-0) May re-enroll once when the theme is different. Primary, secondary, community college teachers of Spanish or approval of department.

In-service training and enrichment for teachers of Spanish; emphasis on cultural patterns, methodology, and improvement of language and linguistic proficiency.

804. Stylistics

Fall of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.

Principles of Spanish style, based on representative selections from distinguished Spanish authors.

805. Development of the Spanish Language

Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.

Development of Spanish language from its origin to present day in Spain and Spanish America. Phonology, morphology, dialectology.

809. Development of Hispanic Culture

Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. Primarily for high school language teachers.

Deals with the cultural growth of the area with particular emphasis on literature and the other arts, their relation to the culture itself and to the language spoken. Given in Spanish.

811. Studies in Golden Age Literature

Winter. 3(3-0) May re-enroll for a maximum of 12 credits.

Poetry, drama, prose of 16th and 17th century Spain.

812. Cervantes

Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.

Critical study of *Don Quixote* and the *Novelas Ejemplares* and other works read for class discussions.

831. Studies in Eighteenth and Nineteenth Century Literature

Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.

Literature from Post-Baroque Spain to the Generation of 1898.

842. Studies in Twentieth Century Literature

Fall, Winter. 3(3-0) May re-enroll for a maximum of 12 credits.

Literary and intellectual trends in Spain from the Generation of 1898 to the present. Consideration in different terms of prose fiction, essay, drama and poetry.

850. Studies in Spanish-American Literature before 1888

Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 12 credits.

The most important authors and movements of the colonial period and the nineteenth century to 1888.

852. Studies in Contemporary Spanish-American Literature

Fall of odd-numbered years. Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 12 credits.

Poetry, drama, prose, fiction and essay from the modernist movement to the present.

860. Graduate Reading

Fall, Winter, Spring, Summer. 1 to 5 credits. May re-enroll for a maximum of 15 credits. Approval of department.

Supervised reading course for investigation of special fields.

899. Research

Fall, Winter, Spring, Summer. Variable credits. Approval of department.

981. Seminar in Hispanic Literature

Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 18 credits.

A particular writer, a major work, or a limited theme is chosen for intensive analysis. The topic and the professor of the course change each term.

999. Research

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 36 credits.

SANITARY ENGINEERING

See Civil and Sanitary Engineering.

SMALL ANIMAL SURGERY AND MEDICINE SSM

College of Veterinary Medicine

600. Small Animal Surgery Clerkship

Fall, Winter, Spring, Summer. 4, 8, or 16 credits. May re-enroll for a maximum of 16 credits. Satisfactory completion of term 8 in professional veterinary medicine curriculum and approval of department.

Training in clinical surgery under direct supervision of faculty and staff.

608. Special Problems in Clinical Surgery

Fall, Winter, Spring, Summer. 3(0-9) to 12(0-36) May re-enroll for a maximum of 12 credits. 600 and approval of department.

Advanced undergraduate training in clinical surgery under direct supervision of faculty and staff.

610. Small Animal Medicine Clerkship

Fall, Winter, Spring, Summer. 4, 8, or 16 credits. May re-enroll for a maximum of 16 credits. Satisfactory completion of term 8 in professional veterinary medicine curriculum and approval of department.

Training in clinical medicine under direct supervision of faculty and staff.

618. Special Problems in Clinical Medicine

Fall, Winter, Spring, Summer. 3(0-9) to 12(0-36) May re-enroll for a maximum of 12 credits. 610 and approval of department.

Advanced undergraduate training in clinical medicine under direct supervision of faculty and staff.

620. Small Animal Focal Problems

Fall, Winter, Spring, Summer. 2(0-6) to 4(0-12) May re-enroll for a maximum of 12 credits. Concurrent enrollment or previous completion of 600 or 610; and approval of department.

Case oriented problem solving through faculty-student group discussions and seminars.

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.

822. Bone and Joint Surgery

Winter. 3(2-4) Approval of department.

Fundamentals, theory and practice covering the various conditions and surgery of bones and joints.

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.

RUSSIAN

See German and Russian.

826. Cardiology

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

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.

Research on thesis problems.

SOCIAL SCIENCE

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University College

To satisfy the University General Education requirement, a student must take one course in each of the following groups. Additional courses may be taken for elective credit.

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

201. Americans and Their Values

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

Fall, Winter, Spring, Summer. 4(4-0)

201, or 211, or 221, or 241 recommended; 201 preferred.

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. American and World Problems

Fall, Winter, Spring, Summer. 4(4-0)

202, 212, 222 or 242 recommended; 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

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) 201, 211, 221 or 241 recommended; 211 preferred.

Factors and directions in urban change. Impacts on life styles and life strategies of urban groups. Challenges to traditional family, educational, and community patterns.

213. Casualties of Contemporary Society

(233B.) Fall, Winter, Spring, Summer.

4(4-0) 202, 212, 222 or 242 recommended; 212 preferred.

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

IDC. The Politics of Ecology

For course description, see Interdisciplinary Courses.

221. The Changing American Metropolis: Ecology of the Urban Community

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. Metropolitan Perspectives: Economics, Politics and Policies

(232C.) Fall, Winter, Spring Summer.

4(4-0) 201, 211, 221, 241, recommended; 221 preferred.

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. World Urbanization: Human Consequences

(233C.) Fall, Winter, Spring, Summer.

4(4-0) 202, 212, 222 or 242 recommended; 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

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

(232D.) Fall, Winter, Spring, Summer.

4(4-0) 201, 211, 221 or 241 recommended; 241 preferred.

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

243. War and Morality

(233D.) Fall, Winter, Spring, Summer.

4(4-0) 202, 212, 222 or 242 recommended; 242 preferred.

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, Summer. 2 to 4 credits. 8 credits completed in general education 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.

IDC. Modernization: India, Pakistan Bangladesh

For course description, see Interdisciplinary Courses.

IDC. Modernization: The Middle East

For course description, see Interdisciplinary Courses.

IDC. Far East: Contemporary Issues and Problems

For course description, see Interdisciplinary Courses.

IDC. Refugees, Displaced Persons, Hostages, Exiles

For course description, see Interdisciplinary Courses.

SOCIAL SCIENCE (COLLEGE OF)

SSC

490. Individual Research Projects

Fall, Winter, Spring. 4 credits. May re-enroll for a maximum of 8 credits. Multidisciplinary social science majors and 12 credits in social sciences — agricultural economics, anthropology, economics, geography, political science, psychology and sociology.

Individually supervised study and research on a topic using a multidisciplinary approach.

491H. Perspectives in the Social Sciences and Humanities

Fall, Winter, Spring. 2 to 6 credits. May re-enroll for a maximum of 12 credits if different topic is taken. Juniors, approval of Honors College, or approval of instructor. Interdepartmental with the colleges of Arts and Letters and Justin Morrill and 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.

495. Foreign Area Field Study

Fall, Winter, Spring, Summer. 3 to 15 credits. May re-enroll for a maximum of 24 credits. Juniors and 12 credits in social science.

Study in a variety of foreign settings under the guidance of an adviser, such as American University Field Study Centers in Rome and Singapore.

810. Introduction to Linear System Theory

Fall. 3(3-0) MTH 214. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science.

A first course in system theory for students from a range of disciplines. Mathematical representation 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) 810, STT 441. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science.

Problem definition, design of abstract models for system design and control, simulation of systems 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) 811. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science.

Individual or team application of simulation methods to system design and/or management.

999. Research

Fall, Winter, Spring, Summer. Variable credit. Approval of college.