417. Land Economics  
Fall, Spring, 4(4-0) Interdepartmental with the Economics Department, Public Affairs Management and Food Systems Economics and Management.  
Factors affecting man's economic use of land and space resources. Input-output relationships; development, investment, and enterprise location decisions. Land markets; property rights, area planning, zoning and land use controls.

420. Water Resource Development  
Fall, Winter, Spring, Summer. 4(3-0)  
Significance of water resources in modern society; introduction to the needs of industry, agriculture and recreation. Concepts of development, use and conservation are critically evaluated in terms of future needs.

450. Natural Resource Administration  
Fall, Spring. 4(4-0) Interdepartmental with Fisheries and Wildlife, Forestry and Parks and Recreation Resource Management and Conservation.  
Administration of wildlands: concepts, legal, economic and social environment. Management changes, unit organization, personnel management and accounting. Presents a systems view of administration.

500. Location Analysis  
Winter. 4(4-0) 417 or EC 324 or RD 461. Interdepartmental with the Economics Department, Public Affairs Management and Food Systems Economics and Management.  
Forces affecting location decisions of firms, households and governments. Applications to agricultural, industrial, and regional developments.  

540. Supervised Study  
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 10 credits. Approval of department.

735. Research Methodology  
Fall, Winter, Spring, Summer. 3(3-0)  
Research techniques applicable to management, and policy-oriented natural resource investigations. Analysis of project designs; preparation of project proposals; evaluation of representative published research studies.

855. Regional Science Methods  
Spring. 4(4-0) 450 or approval of department.  
Demographic analysis, social accounts, economic base, input-output, industrial complex, linear programming, gravity models, and other techniques for regional research.

880. Special Problems  
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 10 credits. Approval of department.  
Seminars on current problems. Supervised readings. Independent study of selected topics.

999. Research  
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

917. Issues in Land Economics  
Winter, Spring. 3(3-0)  
May re-enroll for a maximum of 6 credits. Doctoral students. 417 and 460.  
Analysis of selected issues related to the utilization of land and water resources.

960. Simulation Models in Natural Resource Management  
Winter. Odd-numbered years. 3(3-0)  
Interdepartmental with the Forestry Department.  
The role of simulation models in developing management strategies. Applications of computer simulation in natural resources. Modeling of decision systems in natural resource management.

999. Research  
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

ROMANCE LANGUAGES  

College of Arts and Letters  

Students who have had high school work in the foreign language in which they wish to continue their studies must take a placement examination in that language. Placement in the appropriate course is determined by the results of this examination. University credit is not given for courses waived by performance on the placement examination.

Romance Language Courses  

210. Latin America: Its Peoples and Cultures  
Fall. 3(3-0)  
Geographical, ethnic, social, political, economic, and cultural characteristics of Brazil and Latin America.

211. Latin America: Its Peoples and Cultures  
Winter. 3(3-0)  
Continuation of 210. Western and southern South America.
322. Latin America: Its Peoples and Cultures
Spring. 3(3-0) Continuation of 211. Mexico and the Caribbean region.

229. The Contemporary Romance Film
Winter. 4(3-2) May re-enroll for a maximum of 8 credits. Development of the student's aesthetic and cultural appreciation of films by outstanding European directors, most notably, those of France, Italy and Spain.

299. Special Projects
Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department. Work in areas outside regular course offerings.

310. Latin America Today
Winter. 3(3-0) Juniors. Major problems and conflicts determining the cultural development of contemporary Latin America as a whole.

311. Latin America Today
Spring. 3(3-0) Juniors. Cultural life of Latin America as reflected in its literary production, especially in the novel as the most striking interpretation of its social life.

312. Latin America Today
Fall, Winter, Spring, Summer. 4(4-1) Sophomores. Intellectual currents in Latin America. Role of the intellectual leaders in molding the cultural life of Latin America.

476. Canadian-American Studies
For course description, see Interdisciplinary Courses.

499. Special Projects
Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department. Work in areas outside regular course offerings.

801. Romance Philology
Spring of even-numbered years. 3(3-0) FRN 803 or SPN 855. Examination of the relatedness of the Romance Languages: common source Latin lexicon, phonological system, grammar, concentration on the three major Romance Languages, French, Italian, Spanish, with some attention to all others.

Classical Studies
CLA

299. Special Projects
Fall, Winter, Spring, Summer. 1 to 9 credits. May re-enroll for a maximum of 9 credits. Approval of department. Independent study in Greek, Latin, and classical studies outside regular course offerings.

300. Classical Backgrounds
Fall. 3(3-0) Sophomores. Classical Greek and Latin literature, with special attention to the dominant themes running through the various genres.

301. Classical Backgrounds
Winter. 3(3-0) Sophomores. The various genres of classical Greek literature, studied in English e.g., epic, drama, poetry, history, oratory, romance.

302. Classical Backgrounds
Spring. 3(3-0) Sophomores. Classical Latin literature in the various genres, studied in English e.g., drama, poetry, history, essays, letters, romance.

350. Introduction to Classical Archaeology
(RGM 250.) Fall. 3(3-0) Sophomores. Methods and techniques of classical archaeology and related disciplines (epigraphy, numismatics); the rise of classical archaeology with emphasis on Minoan-Mycenaean period.

351. Archaeology of Greece
(RGM 251.) Winter. 3(3-0) Sophomores. Principal archaeological sites of Greece and the Aegean, involving the history of the excavations and the relationships of periods.

352. Archaeology of Italy
(RGM 252.) Spring. 3(3-0) Sophomores. The principal archaeological sites of ancient Italy and Sicily.

499. Special Projects
Fall, Winter, Spring, Summer. 1 to 12 credits. May re-enroll for a maximum of 12 credits. Approval of department. Independent study in Greek, Latin, and classical studies outside regular course offerings.

French

101. Elementary French
Fall, Winter, Spring. 4(4-1) Pronunciation, grammar, oral drill, and easy reading. Open to French majors; recommended for non-majors.

102. Elementary French
Fall, Winter, Spring. 4(4-1) Continuation of 101.

103. Elementary French
Fall, Winter, Spring. 4(4-1) Continuation of 102.

200H. Honors Work
Fall, Winter, Spring. 1 to 16 credits. Approval of department.

201. Second-Year French
Fall, Winter, Spring. 4(4-1) Continuation of oral practice, intensive, organized review of grammar and development of techniques in reading.

202. Second-Year French
Fall, Winter, Spring. 4(4-0) Continuation of 201. Discussion of reading conducted in the language. Formal writing on topics directly related to reading materials.

203. Second-Year French
Fall, Winter, Spring. 4(4-0) Continuation of 202.

301. Introduction to French Literature
Fall, Winter, Spring. 3(3-0) 203. A restricted number of representative works will be examined closely in the perspective of literary history. Readings, discussions and lectures in French.

302. Introduction to French Literature
Fall, Winter. 3(3-0) 301. Continuation of 301.

303. Introduction to French Literature
Fall, Winter. 3(3-0) 302. Continuation of 302.

311. Advanced Oral French
Fall, Spring. 2(2-1) 203. Advanced oral practice to improve the use of French.

312. Advanced Oral French
Fall, Winter. 2(2-1) 311. Continuation of 311.

313. Advanced Oral French
Winter, Spring. 2(2-1) 312. Continuation of 312.

320. French Phonetics
Fall, Winter, Spring. 3(3-0) 303. A practical, remedial study of pronunciation and dictation. Use of the language laboratory.

321. Advanced Grammar
Fall, Winter. 3(3-0) 293. Course conducted largely in French. Difficult points in grammar with practice in writing.

322. Composition
Winter, Spring. 3(3-0) 381. Extensive practice in writing.

327. The Contemporary French Scene
Fall, Winter, Spring. 3(3-0) 303 or 312 or approval of department. Various aspects of the political, social, economic, intellectual, artistic and literary life of contemporary France; increasing facility in understanding, reading and speaking of its language. Material, read in the original, is drawn mostly from Twentieth century French writings, and used as basis for class discussion in French.

341. French Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to French majors; recommended for non-majors. Middle Ages to the early 17th century. (Cornelle).

342. French Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to French majors; recommended for non-majors. Seventeenth and 18th century literature.

343. French Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to French majors; recommended for non-majors. Nineteenth and 20th century literature.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

401. Medieval and Renaissance Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Study of selected medieval works, read in modern French. Brief examination of the theories on the Renaissance Movement and study of the main authors: Rabelais, the Petite poets, Montaigne.
405. Seventeenth Century Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
Classic masterpieces of the age of reason including Corneille, Racine, Pascal, Molière, La Fontaine, and Pascal. Classical reading in French. Credit to be determined by instructor. May re-enroll for a maximum of 9 credits. 303.

The Enlightenment and Pre-Romanticism, including Montesquieu, Voltaire, Diderot, Rousseau. Literary expression of Enlightenment in contes philosophiques, drama, novel, dialogue.

410. Eighteenth Century Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
The Enlightenment and Pre-Romanticism, including Montesquieu, Voltaire, Diderot, Rousseau. Literary expression of Enlightenment in contes philosophiques, drama, novel, dialogue.

415. Literature of the Nineteenth Century
Fall, Winter, Spring. Summer of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
The Romantic Movement, the development of Realism and Naturalism, symbolist poetry.

420. French Phonology
Fall. 3(3-0) 320.
Theoretical phonetics and phonology, articulatory and acoustic, of French standard language and selected dialects.

421. Contrastive Structure of French and English

422. Advanced Composition
Spring. 3(3-0) 322. Recommended for prospective teachers. Consideration of the basic stylistic elements. Intensive exercises in writing French through literary translations and compositions.

423. Advanced Syntax
Fall. 3(3-0) 322. Recommended for prospective teachers. Descriptive and prescriptive grammar and syntax.

425. Twentieth Century Novel
Fall, Winter. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
A study of representative works from the 1920's to the present. May re-enroll for a maximum of 6 credits. 303.

426. Twentieth Century Poetry and Drama
Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
A sampling of contemporary poetry and drama from the major poets and playwrights including Valery, Claudel, Apollinaire, St. John-Perse, Pruvot, Michaux, Eizinger, Giraudoux, Apollinaire, Montherlant, Sartre, Ionesco, Genet, and Beckett.

461H. Honors Seminar
(481) Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 8 credits. One term of advanced French course in French, except 327, or approval of department. Study of a specific author, work, theme, or problem. Subject and instructor to be announced each term.

800. Teaching French in College
Fall, Winter, Spring. 0 to 3 credits. May re-enroll for a maximum of 3 credits. Graduate teaching assistant. Supervised teaching of college classes in French.

801. Research Methodology and Bibliography
Fall. 3(2-1)
Technique of research in scholarly writing. Bibliographical work in French.

802. Old French 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. 303.
Study of chansons de geste, romance, chronicle, saint's life; drama; lyric poetry; didactic writing. Each term's content is self-contained, organized by subject matter, genre and relative chronology.

804. Stylistics
Fall of odd-numbered years. 3(3-0) An analytical study of the principles of new French prose style, based on detailed examination of representative selections from distinguished modern French authors. Themes and discussions. Given in French.

805. Development of the French Language
Fall of odd-numbered years, Winter of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Chronological history of sound changes, morphological development, texts, dialect materials, and works of important grammarians, from Vulgar Latin to the present.

808. French Linguistics
Spring of even-numbered years. 3(3-0) LIN 401, or knowledge of modern French. Structure of the French language examined through the methodology of descriptive linguistics: application of the techniques of structuralism, transformational grammar and distinctive feature analysis.

809. Development of French Culture
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 15 credits. 303.
Deals with the cultural growth of France with particular emphasis on literature and the other arts, their relation to the culture itself and to the language spoken. Given in French.

810. Literature of the Sixteenth Century
Fall of even-numbered years, Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
Fables, The Classical Drama
Fall and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Biblical and Early Sixteenth Century, Pre-Renaissance and Renaissance, including survey of causes of Renaissance, poetry of Ronsard and de Bellefay, Essais of Montaigne.

821. The Classical Drama
Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Cornelius, Racine, theories of Classical tragedy; the comedy of the Classical Period with particular emphasis on Moliere and Corneille.

822. Non-Dramatic Literature of the Classical Age
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Non-dramatic literature of the seventeenth century. Main focus on the works of Descartes and Pascal, with some consideration of moralists, poets and predicatores.

831. Age of the Enlightenment
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.

835. The Eighteenth Century Novel and Drama
Fall of even-numbered years, Winter of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Development of the French novel from La Princesse de Clèves to Les Liaisons dangereuses, also including Marivaux, Prevost, Voltaire and Rousseau. Focus on classical French theater, the comedies of Molière, Diderot and the genre serious, the plays of Beaumarchais.

841. Poetry from Baudelaire to the Present
Fall of odd-numbered years, Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
Evolution of French poetry from Baudelaire to present. Special emphasis on major trends—parnasian, symbolism, surrealism, and on the leading poetic personalities of the various schools: Baudelaire, Mallarmé, Rimbaud, Valery, Breton.

842. The Nineteenth Century French Novel
Fall and Summer of even-numbered years. Winter, Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
French novel from Romanticism to the end of the nineteenth century. Literary theories of Romanticism, Realism, Naturalism, and other literary trends of the century. Balzac, Stendhal, Flaubert, Maupassant, Zola, the Goncourts, and others will be studied.

845. Romanticism
Winter, Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Emergence of modern literary tradition, experimentation with new literary styles, including Chateaubriand, Senancour, Madame de Stael, Constant, de Maistre, Lamartine, Hugo, Vigay, Musset, Nodier, Nerval, Gautier, Lemmens, Sainte-Beuve and others.

850. Form and Development of French Criticism
Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
First term: The evolution of French critical theory and practice from the Pléiade to World War II, preceded by a brief consideration of Plato and Aristotle as the founder of literary criticism. Second term: Various contemporary French approaches to literary criticism: structural, thematic, existential, Marxist, psychological and others.

860. Graduate Reading Course
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.

881. The Twentieth Century Novel
Full of odd-numbered years. Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
Study of the French novel from 1900 to present. Each representative literary movement
and form—roman-fleuve, surrealism, existentialism, new realism—will be discussed and examples drawn from dominant twentieth century novelists such as Gide, Proust, Romain, Dhu­manel, Aragon, Sarraute, and Genet.

862. The Twentieth Century Drama
Fall of even-numbered years. Winter of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
Major dramatic movements and theories from 1900 to the present—symbolist, religious, existentialist, experimental—and discussion of representative playwrights such as Claudel, Giraudoux, Anouilh, Sartre, Camus, Proust, and others.

863. The Novel
Spring of odd-numbered years. 3(3-0)
A study in depth of the theoreticians and practitioners: Michel Butor, Alain Robbe-Gillet, Natalie Sarraute, and others.

599. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

981. Seminar in French 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 professor of the course change each term.

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

Greek

101. Elementary Greek
Fall. 4(4-1)
Fundamentals of pronunciation, grammar, and syntax.

102. Elementary Greek
Winter. 4(4-1) 101.
Continuation of 101.

103. Elementary Greek Reading
Spring. 4(4-1) 102.
Translation of Greek readings.

200H. Honors Work
Fall, Winter, Spring. 1 to 16 credits. Approval of department.

201. Second-Year Greek
Fall. 3(3-0) 103.
Systematic review of grammar, oral practice, intensive and extensive reading of modern texts.

202. Second-Year Greek
Winter. 3(3-0) 201.
Continuation of 201.

203. Second-Year Greek
Spring. 3(3-0) 202.
Continuation of 202.

301. Introduction to Greek Literature
Fall. 3(3-0) 203.
Representative works will be examined in the perspective of literary history. Readings, discussions and lectures in Greek.

302. Introduction to Greek Literature
Winter. 3(3-0) 301.
Continuation of 301.

303. Introduction to Greek Literature
Spring. 3(3-0) 302.
Continuation of 302.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

Latin

101. Elementary Latin
Fall. 4(4-1)
Fundamentals of pronunciation, grammar, syntax, and the translation of easy readings.

102. Elementary Latin
Winter. 4(4-1) 101.
Continuation of 101.

103. Intermediate Latin Reading
Spring. 4(4-1) 102.
Translation of Latin readings.

200H. Honors Work
Fall, Winter, Spring. 1 to 16 credits. Approval of department.

201. Cicero
Fall. 3(3-0) 103.
The prose style of Cicero, including a rapid review of Latin grammar.

202. Vergil
Winter. 3(3-0) 103.
Latin poetry through the reading of Vergil's Aeneid.

203. Virgil
Spring. 3(0-3) 202.
Continuation of 202.

221. Latin Prose Composition
Fall. 2(2-0) 103.
Grammar and composition to supplement 201.

222. Latin Prose Composition
Winter. 2(2-0) 221 or approval of department. Continuation of 221.

301. Cicero's Essays
Fall. 3(3-0) 203.
Cicero: De Senectute and/or De Amicitia.

302. Flautus
Winter. 3(3-0) 203.
Plautus: selected plays.

303. Livy
Spring. 3(3-0) 203.
Livy: selections from the Ab Urbe Condita.

321. Development of the Latin Language
Fall. 3(3-0)
History of the Latin language in the light of linguistics, paleography, epigraphy and textual criticism.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

401. Horace
Fall of even-numbered years. 3(3-0) 303 or approval of department.
Horace: selections.

402. Ovid
Winter of odd-numbered years. 3(3-0) 303 or approval of department.
Ovid: selections.

403. Elegy and Epigram
Spring of odd-numbered years. 3(3-0) 303 or approval of department.
Selections from elegiac poets and Martial.
Courses

411. Roman Drama
Fall of odd-numbered years. 3(3-0) 303 or approval of department. Selected plays of Plautus and Terence.

412. Roman Drama
Winter of even-numbered years. 3(3-0) 303 or approval of department. Selected plays of Plautus and Terence.

413. Roman Historians
Spring of even-numbered years. 3(3-0) 303 or approval of department. Selections from Tacitus and other Roman historians.

427. Roman Civilization
Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits. Survey of the essential features of Roman civilization: literary history, art, architecture, archaeology, political institutions, private life, and contributions to modern civilization.

451. Medieval Latin
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Approval of department. Reading of medieval literary and historical works, and treatment of special problems.

Portuguese

101. Elementary Portuguese
Fall. 4(4-1) Pronunciation, grammar, conversation, and easy reading.

102. Elementary Portuguese
Winter. 4(4-1) 101. Continuation of 101.

103. Elementary Portuguese
Spring. 4(4-1) 102. Continuation of 102.

201. Second-Year Portuguese
Fall. 3(3-0) 103. Systematic review of grammar, with emphasis on oral exercises. Continued emphasis on pronunciation and oral practice, as well as intensive and extensive reading of modern texts by contemporary Brazilian authors.

202. Second-Year Portuguese
Winter. 3(3-0) 201. Continuation of 201.

203. Second-Year Portuguese
Spring. 3(3-0) 202 Continuation of 202.

Spanish

101. Elementary Spanish
Fall, Winter, Spring, Summer. 4(4-1) Vocabulary, pronunciation, inflection, syntax, easy reading, and oral drill.

102. Elementary Spanish
Fall, Winter, Spring, Summer. 4(4-1) 101. Continuation of 101.

103. Elementary Spanish
Fall, Winter, Spring, Summer. 4(4-1) 102. Continuation of 102.

200H. Honors Work
Fall, Winter, Spring. 1 to 10 credits. Approval of department.

201. Second-Year Spanish
Fall, Winter, Spring, Summer. 4(4-1) 103. Continuation of oral practice, intensive organization of grammar and development of techniques in reading.

202. Second-Year Spanish
Fall, Winter, Spring, Summer. 4(4-0) 201. Continuation of 201. Discussion of reading conducted in the language. Formal writing on topics directly related to reading materials.

203. Second-Year Spanish
Fall, Winter, Spring, Summer. 4(4-0) 202. Continuation of 202.

211. Spanish for Spanish-Speaking Americans
Fall. 4(4-0) Approval of department. Development of the language proficiency of Spanish-speaking Americans. Practice in the use of Spanish.

212. Spanish for Spanish-Speaking Americans
Winter. 4(4-0) 211. Continuation of 211.

213. Spanish for Spanish-Speaking Americans
Spring. 4(4-0) 212. Continuation of 212.

301. Introduction to Spanish Literature
Fall, Winter, Spring. 3(3-0) 202. Required of majors. General view of the field of Spanish literature.

302. Introduction to Spanish Literature
Fall, Winter, Spring. 3(3-0) 301. Continuation of 301.

303. Introduction to Spanish Literature
Fall, Winter, Spring. 3(3-0) 302. Continuation of 302.

311. Advanced Oral Spanish
Fall, Spring. 3(3-0) 203. Advanced oral practice to improve the use of Spanish.

312. Advanced Oral Spanish
Fall, Winter, Spring. 3(3-0) 311. Continuation of 311.

313. Advanced Oral Spanish
Winter, Spring. 3(3-0) 312. Continuation of 312.

320. Spanish Phonetics
Fall, Winter. 3(3-0) 203. A practical remedial study of pronunciation and diction. Use of the language laboratory.

321. Advanced Grammar
Fall, Winter. 3(3-0) 203. Course conducted largely in Spanish. Difficult points in grammar with practice in writing.

322. Composition
Winter, Spring. 3(3-0) 321. Extensive practice in writing.

326. Chicano Culture in the United States
Spring. 3(3-0) Given in English. Not to count toward Spanish major or minor, recommended for non-majors. The Mexican culture as it has manifested itself in the United States. The impact of varied Chicano cultural influences on American society.

327. Spanish Culture
Fall. 3(3-0) 302 or 312 or approval of department. Various aspects of political, social, economic, intellectual, artistic and literary life of contemporary Spain. Readings selected from modern sources used for class discussion in Spanish.

328. Spanish American Culture
(428.) Spring. 3(3-0) 303 or 312. Various aspects of political, social, economic, intellectual, artistic and literary life of contemporary Spanish America. Readings selected from modern sources used for class discussion in Spanish.

341. Spanish Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to Spanish majors; recommended for non-majors. Masterworks of Spain: Middle Ages through Baroque.

342. Spanish Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to Spanish majors; recommended for non-majors. Enlightenment to the present.

343. Spanish-American Literary Masterpieces in English Translation
Fall, Winter, Spring. 3(3-0) Not open to Spanish majors; recommended for non-majors. Masterpieces selected to develop an appreciation of Spanish-American literary expression.

400H. Honors Work
Fall, Winter, Spring. Variable credits. Approval of department.

405. Spanish Literature to the Sixteenth Century
Spring. 3(3-0) 303. Introductory readings in major medieval renaissance prose and poetry.

411. Chicano Literature in the United States
Winter. 3(3-0) 303 or approval of department. Readings and discussion in Spanish of works by Mexican-American authors.

415. Nineteenth Century Spanish Literature
Fall, Winter. 3(3-0) May re-enroll for a maximum of 9 credits. 303. Critical study of literary forms and trends in nineteenth-century Spain. Fall, drama; winter, poetry, spring, prose.

420. Spanish Phonology
Spring. 3(3-0) 303. Theoretical phonetics and phonology, articulatory and acoustic, of Spanish standard language and selected dialects.
421. Contrastive Structure of Spanish and English
Winter. 3(3-0) 303. Recommended for prospective teachers.
Contrastive structure of Spanish and English, comparison of modern Spanish and American English as language systems: phonology and grammar.

422. Advanced Composition
Fall. 3(3-0) 322. Recommended for prospective teachers.
Consideration of the basic stylistic elements. Intensive exercises in writing Spanish through literary translations and compositions.

423. Advanced Syntax
Winter. 3(3-0) 322. Recommended for prospective teachers.
Descriptive and prescriptive grammar and syntax.

424. The Generation of 1898
Spring. 3(3-0) 303.
Literary and intellectual trends of the generation of 1898 in Spain. Selected readings from Azorin, Unamuno, Baroja, Valle Inclan, A. Machado, and others.

456. Twentieth Century Spanish Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
The outstanding works in drama, poetry, novel and essay chiefly of the post-1936 era.

450. Eighteenth Century Literature
Winter of odd-numbered years. 3(3-0) 303.
A critical study of Neo-Classicism and the Enlightenment in Spain.

431. The Life and Works of Cervantes
Fall. 3(2-0) 303.

434. Literature of Golden Age, Drama, Poetry and Prose
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 303.
Drama, poetry, and non-dramatic prose of the seventeenth century, excluding Don Quixote.

440. Spanish-American Literature through 1888
Fall, Winter. 3(3-0) May re-enroll for a maximum of 6 credits. 303.
Development of Spanish-American literature from its origins to the end of the Romantic period. Readings from representative authors.

445. Modern Spanish-American Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 303 or approval of department.
Spanish-American literature from 1888 to the present. Fall and Winter terms will be devoted to the novel, Spring term to poetry.

481H. Honors Seminar
(499.) Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 8 credits. One term of any 400 course in Spanish, except 427, or approval of department.
Study of a specific author, work, theme or problem in Hispanic letters.

500. Teaching Spanish in College
Fall, Winter, Spring. 6 to 3 credits. May re-enroll for a maximum of 3 credits.
Supervised teaching of college classes in Spanish.

801. Research Methods and Bibliography
Fall. 3(2-1)
Technique of research in scholarly writing. Bibliographical work in Spanish.

802. 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.
Linguistic analysis of Old Spanish. Study of such medieval literary works as El Cid; Primeras crónicas generales, of Alfonso X, Beroe's Milagros, El libro de buen amor, ballads, and lyric poetry.

804. Stylistics
Spring of even-numbered years. 3(3-0) An analytical study of the principles of Spanish prose style, based on detailed examination of representative selections from distinguished modern Spanish authors. Themes and discussions. Given in Spanish.

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 will be treated successively. Includes study of dialectology of Spain and linguistic geography of Spanish in America, with attention both to colloquial and literary usage.

806. Renaissance Poetry and Prose
Fall of even-numbered years, Winter of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.

809. Development of Hispanic Culture
Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits. Primarily for high school language teachers.
Alternate years: Spanish, Winter and Spring of even-numbered years; Spanish-America, Winter and Spring of odd-numbered years. 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. Non-dramatic Literature of the Golden Age
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
Major works of seventeenth century prose and poetry.

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.

814. Drama of the Golden Age
Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
Winter term: Lope and his contemporaries. Spring term: Calderon and his contemporaries.

821. Eighteenth Century Literature
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
Studies in the major writers of the Post-Baroque, Neo-Classicism, and Enlightenment.

831. Nineteenth Century Poetry and Drama
Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
Winter: poetry; Spring: drama.

832. Nineteenth Century Novel
Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
An intensive and analytical consideration of the literary and intellectual trends of the Generation of 1898 in Spain. Readings from Azorin, Unamuno, Baroja, Valle Inclan, A. Machado, and others.

840. Twentieth Century Prose Fiction and Essay
Fall of odd-numbered years, Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.
Prose fiction from the Generation of 1898 to the contemporary novelists: Cespedo, Lopez, etc.; others. Essay during the same period: Ortega, Marías, Aragüen, Lain Entralgo.

841. Twentieth Century Drama and Poetry
Fall of odd-numbered years, Winter and Spring of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.
Pre 1936 theatre from Benavente to Lorca and post 1936 drama from Buero and Sastre to Arvalo and Muniz. Poetry from J. R. Jiménez to latest groups.

850. Spanish-American Literature before 1888
Winter and Spring of odd-numbered years. 3(3-0) May re-enroll for a maximum of 6 credits.
The most important authors and movements of the colonial period and the nineteenth century to 1888.

851. Contemporary Spanish-American Poetry, Essay and Drama
Fall of odd-numbered years. Winter and Spring of even-numbered years. 3 credits. May re-enroll for a maximum of 9 credits.
Contemporary Spanish-American poetry from the modernist movement to the present; the drama with emphasis on the theatre of Mexico and Argentina; the essay as represented by outstanding Spanish-American thinkers.

852. Spanish-American Modern Prose Fiction and Essay
Fall of even-numbered years. Winter, Spring, and Summer of odd-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.
Study of modern novel, short story, and essay in individual Spanish-American countries with emphasis on recent trends in Argentina, Chile and Mexico.

853. Spanish-American Modern Poetry and Drama
Fall of odd-numbered years, Winter of even-numbered years. 3(3-0) May re-enroll for a maximum of 9 credits.
Study of Spanish-American poetry from modernism to the present. Twentieth century Spanish-American drama.
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 16 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 30 credits.

RUSSIAN
See German and Russian.

SANITARY ENGINEERING
See Civil and Sanitary Engineering.

SMALL ANIMAL SURGERY AND MEDICINE (SSM)
College of Veterinary Medicine

501. Introduction to Veterinary Medicine I
Summer. 2(2-0) Admission to professional veterinary program. Interdepartmental with Center for Laboratory Animal Resources. Species and breed identification, predisposition for specific diseases, basic care and feeding, restraint and handling of small domestic animals, unusual pet, and laboratory animals.

502. Introduction to Veterinary Medicine II
Spring. 4(3-3) Admission to the professional veterinary program. Interdepartmental with the Department of Large Animal Surgery and Medicine. Anesthetic principles, agents and techniques. Basic surgical principles, including aseptic technique, hemostasis, wound healing, suturing and suture materials. Fundamentals of radiology.

503. Introduction to Veterinary Medicine III
Spring. 4(3-3) Admission to professional veterinary program. Interdepartmental with and administered by the Department of Large Animal Surgery and Medicine. Physical and systemic examination of the various domestic and laboratory species. Common restraint procedures, clinical skills, diagnostics and an approach to clients are included.

504. Small Animal Clinic I
Fall, Winter, Spring, Summer. 3(0-10) Eighth-term or ninth-term Veterinary Medicine students.

Concepts and practices of clinical veterinary medicine. Rotation through hospital services including outpatient clinic, medicine, surgery, radiology, clinical pathology, and pharmacy.

511. Small Animal Surgery and Medicine I
(VSM 511.) Fall, Spring. 8(7-3) Seventh-term Veterinary Medicine students. Basic surgery, laboratory and lectures with television demonstrations. Anesthesiology, basic radiology, small animal husbandry, and diseases of the upper digestive system.

512. Small Animal Surgery and Medicine II
(VSM 512.) Winter, Summer. 7(6-3) Suturing materials. Fundamentals of radiology. 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, hematopoetic and integumentary systems and specific infectious diseases. Includes radiographic and surgical techniques.

604. Small Animal Clinic II
(VSM 604.) Fall, Winter, Spring. Summer. 12(3-6) 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) Small animal pathology. Microscopic anatomy of special systems and special techniques. Emphasis on abdominal and thoracic systems.

651. Clinico-Pathologic Conference
(VSM 651.) Winter, Spring. 5(5-0) 604. 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.

805. Problems in Small Animal Surgery
(VSM 805.) 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(3-0) Approved of department. Fundamental 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 anesthesia 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 electrocardiography, congenital and acquired diseases, cardiac catheterization and surgery.

833. Radiology
(VSM 833.) Spring. 3(3-0) Approval of department. Advanced Roentgen diagnosis, with particular emphasis on early detection of diseases of bone. Problem studies concurrent with course.

899. Research

SOCIAL SCIENCE

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. 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. Focus played by each in the development of personality.

202. Power in America
(232A.) Fall, Winter, Spring. 4(4-0) 201 preferred; or 211 or 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. 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
(331B.) Fall. 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
(332B.) Winter. 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.