

**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 Resources Departments and Natural Resources. Administered by the Forestry Department.

Concepts and methods of administering wild-land properties. The legal, economic and social environment. Benefit-cost analysis of management changes. Unit organization, personnel management and accounting. Presents a systems view of administration.

**460. Location Analysis**

Winter. 4(4-0) 417 or EC 324 or R D 401. 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.

**480. Supervised Study**

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. Individual undergraduate research on selected topics.

**491. Natural Resources and Modern Society**

Spring, Summer. 3(3-0) Juniors. Interdepartmental with the Forestry Department and Natural Resources and administered by the Forestry Department.

A survey of the social and economic significance of natural resources in modern industrial and urban society. Current problems of natural resources management and use are examined in terms of the society in which they exist.

**801. Resource Development Policy**

Fall. 3(3-0)  
Analysis of past and present public resource development policies and programs in the United States. Emphasis on national policies.

**802. International Resource Development**

Winter. 3(3-0)  
Investigation and analysis of major natural resource use patterns and problems emerging on the international scene. Implications of these patterns and problems for the United States. Examination of national and international agencies.

**809. Natural Resources Economics**

Winter. 3(3-0) Approval of department. Interdepartmental with and administered by the Forestry Department.

Applications of economic analysis to natural resource problems.

**810. Economics of Public Choice**

Winter. 3(3-0) Approval of department. Interdepartmental with the Agricultural

Economics and Economics Departments and administered by the Agricultural Economics Department.

Economics of alternative institutions for collective action. Emphasis on property rights and natural resources. Public goods, externalities, non-marginal change, commonwealth, income and power distribution, grants, welfare criteria and market failure.

**811. Public Program Analysis**

Spring of even-numbered years; Summer of odd-numbered years. 3(3-0) FSM 401 or EC 324 or approval of department. Interdepartmental with the Agricultural Economics and Economics Departments and administered by the Agricultural Economics Department.

Application of benefit-cost analysis to public programs of resources development. Issues and case studies in budgeting, investment criteria, pricing, externalities, and coordination.

**812. Public Direction of Land Use**

Spring. 3(3-0)  
Use of public spending, property ownership, police, condemnation, and taxation powers to influence land use decisions.

**815. Community Resource Development**

Winter. 4(4-0) Approval of department.

Explanations of community growth and change. Review of public and private agency programs. Case studies of successful and unsuccessful approaches.

**816. Field Techniques in Community Resource Development**

Winter, Spring. 4(4-0) Approval of department.

Application of area resource analysis, inventory and program planning techniques in Michigan situations. Course conducted in the field.

**824. Watershed Management**

Fall, Spring. 5(3-5)  
Investigation of watersheds, emphasizing physical relationships of water to other resources. Survey of water problems, planning for water use and management practices including conservation and multiple use aspects. Field trips required.

**832. Conservation Law**

Fall. 3(3-0)  
State and federal laws covering natural resources in Michigan including study of treaties, police power, and specific statutes. Current questions and problems discussed in terms of current statutes and their adequacy.

**835. Water Resources Law**

Winter. 3(3-0)  
Legal principles affecting private rights in state and federal regulation of surface and ground waters. Emphasis on water quality controls.

**842. Park and Recreation Policy**

Fall. 3(3-0) Interdepartmental with and administered by the Department of Park and Recreation Resources.

Recreation, leisure and work concepts. Determination of needs for recreation facilities. Factors affecting public and private allocation of resources for provision of needed facilities.

**851. Public Program Budgeting**

Fall. 3(3-0) Approval of department. Interdepartmental with and administered by the Forestry Department.

Survey of the federal government's planning-programming-budgeting system, stressing executive branch budget decision-making and budget administration in the natural resource bureaus.

**855. Research Methods**

Fall. 3(3-0) Approval of department. Interdepartmental with the Forestry Department.

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.

**860. Regional Science Methods**

Spring. 4(4-0) 460 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.

**899. 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 of odd-numbered years. 3(3-0) Approval of department. 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 resources 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**

ROM

**210. Latin America: Its Peoples and Cultures**

Fall. 3(3-0)  
Geographical, ethnic, social, political, economic, and cultural characteristics of Brazil and La-Plata region.

**211. Latin America: Its Peoples and Cultures**

Winter. 3(3-0)  
Continuation of 210. Western and northern South America.

**212. Latin America: Its Peoples and Cultures**  
Spring. 3(3-0)

Continuation of 211. Mexico and the Caribbean region.

**220. The Contemporary Romance Film**

Winter. 4(3-2) May re-enroll for a maximum of 8 credits.

Development of the student's esthetic 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**

Fall. 3(3-0) Juniors.

Major problems and conflicts determining the cultural development of contemporary Latin America as a whole.

**311. Latin America Today**

Winter. 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 problems.

**312. Latin America Today**

Spring. 3(3-0) Juniors.

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, Summer. 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 805 or SPN 805.

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**

(ROM 350.) 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**

(ROM 351.) 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**

(ROM 352.) 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**

**FRN**

**101. Elementary French**

Fall, Winter, Spring, Summer. 4(4-1)

Pronunciation, grammar, oral drill, and easy reading.

**102. Elementary French**

Fall, Winter, Spring, Summer. 4(4-1)

101.  
Continuation of 101.

**103. Elementary French**

Fall, Winter, Spring, Summer. 4(4-1)

102.  
Continuation of 102.

**200H. Honors Work**

Fall, Winter, Spring. 1 to 16 credits. Approval of department.

**201. Second-Year French**

Fall, Winter, Spring, Summer. 4(4-1)

103.  
Continuation of oral practice, intensive, organized review of grammar and development of techniques in reading.

**202. Second-Year French**

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 French**

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

202.  
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, Spring. 3(3-0) 301.

Continuation of 301.

**303. Introduction to French Literature**

Fall, Winter, Spring. 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) 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 French. Difficult points in grammar with practice in writing.

**322. Composition**

Winter, Spring. 3(3-0) 321.

Extensive practice in writing.

**327. The Contemporary French Scene**

(427.) 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 a 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. (Cornille).

**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 Pleiade 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, Moliere, La Fontaine, Pascal, Descartes, La Rochefoucauld, Mme De Sevigne, La Bruyere, Boileau, Saint Simon, will be studied with their impact on present day life.

**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**

*Winter. 3(3-0) 303. Recommended for prospective teachers.*

Contrastive structure of French and English. Comparison of modern French and American English as language systems: phonology and grammar.

**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 proscriptive 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 first World War to the present with emphasis on the Entre-Deux-Guerres and the Existentialist school: Guide, Proust, Butor, Malraux, St. Exupery, Sartre, Camus.

**426. Twentieth Century Poetry and Drama**

*Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits.*

A sampling of contemporary poetry and drama from the major poets and playwrights including Valery, Claudel, Apollinaire, St. John-Perse, Prevert, Michaux, Ponge; Giraudoux, Anouilh, Montherlant, Sartre, Ionesco, Genet, and Beckett.

**481H. Honors Seminar**

*(481.) Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 8 credits. One term of any 400 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 Methods 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.*

Study of chanson de geste, romance, chronicle, saint's life; drama; lyric poetry; didactic writings. 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.*

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) Primarily for high school language teachers.*

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.*

Rabelais and Early Sixteenth Century, Pre-Renaissance and Pleiad, Montaigne and Pre-Classicism, including survey of causes of Renaissance, poetry of Ronsard and duBellay, *Essays* 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.*

Corneille, Racine, theories of Classical tragedy; the comedy of the Classical Period with particular emphasis on Moliere and Corneille.

**826. 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.*

Non-dramatic literature of the seventeenth century. Main focus on the works of Descartes and Pascal, with some consideration of moralists, poets, and *predicateurs*.

**831. Age of the Enlightenment**

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

Movement of ideas in the Enlightenment; breakdown of Classical vision; development of ideals and style of philosophies and encyclopedists. Montesquieu, Voltaire, Diderot, Rousseau.

**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.*

Development of the French novel from *La Princesse de Cleves* to *Les Liaisons dangereuses*, also including Marivaux, Prevost, Voltaire and Rousseau. Post classical French theater, the comedies of Marivaux, Diderot and the genre *serieux*, 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.*

Evolution of French poetry from Baudelaire to present. Special emphasis on major trends—*parnasse*, symbolism, surrealism, and on the leading poetic personalities of the various schools: Baudelaire, Mallarme, 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.*

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.*

Emergence of modern literary tradition, experimentation with new literary styles, including Chateaubriand, Senancour, Madame de Stael, Constant, de Maistre, Lamartine, Hugo, Vigny, Musset, Nodier, Nerval, Gautier, Lammenais, 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.*

First term: The evolution of French critical theory and practice from the Pleiade 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.

**861. The Twentieth Century Novel**

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

Development of 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, Romains, Duhamel, Aragon, Sartre and Camus.

**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, Montherlant, Beckett.

**863. The New Novel**  
*Spring of odd-numbered years. 3(3-0)*

A study in depth of the theoreticians and practitioners: Michel Butor, Alain Robbe-Grillet, Natalie Sarraute.

**899. 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** **GRK**

**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. Intermediate Greek**  
*Fall. 3(3-0) 103.*  
Selections from Herodotus, Xenophon, or Homer involving a rapid review of Greek grammar.

**202. Intermediate Greek**  
*Winter. 3(3-0) 103.*  
Selections from Plato or Homer.

**203. Intermediate Greek**  
*Spring. 3(3-0) 103.*  
Selections from Lysias or Homer.

**221. New Testament Greek**  
*Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. 103 or approval of department.*  
Selected readings in the New Testament in Greek.

**301. Greek Epic**  
*Fall. 3(3-0) 203.*  
Selections from Homer's *Iliad* or *Odyssey*.

**302. Greek Drama: Tragedy**  
*Winter. 3(3-0) 203.*  
Selected plays from Sophocles, Euripides, or Menander.

**303. Greek Drama: Comedy**  
*Spring. 3(3-0) 203.*  
Selected plays from Sophocles, Euripides, or Menander.

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

**Italian** **ITL**

**101. Elementary Italian**  
*Fall. 4(4-1)*  
Pronunciation, grammar, oral drill, and easy reading.

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

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

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

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

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

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

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

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

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

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

**Latin** **LTN**

**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(3-0) 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.

**223. Latin Prose Composition**  
*Spring. 2(2-0) 222 or approval of department.*  
Continuation of 222.

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

**302. Plautus**  
*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.

**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**

**PRT**

**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**

**SPN**

**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 16 credits.  
Approval of department.

**201. Second-Year Spanish**  
Fall, Winter, Spring, Summer. 4(4-1)  
103.  
Continuation of oral practice, intensive, organized review 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) 203.  
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. 2(3-0) 203.  
Advanced oral practice to improve the use of Spanish.

**312. Advanced Oral Spanish**  
Fall, Winter. 2(3-0) 311.  
Continuation of 311.

**313. Advanced Oral Spanish**  
Winter, Spring. 2(3-0) 312.  
Continuation of 312.

**320. Spanish Phonetics**  
Fall, Winter, Spring. 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**  
(427.) Fall. 3(3-0) 303 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.  
Romanticism 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 credit.  
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, Spring. 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 proscriptive 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.
- 426. 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.
- 430. 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(3-0) 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.
- 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.
- 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*; *Primera cronica general*, of Alfonso X, Berceo'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.*  
The Poetry of the Renaissance. The traditional and Renacentist Schools: from Ausias March to Herrera. The didactic, historical and mystic prose. Creative prose until Cervantes.
- 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: Spain, 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.*
- 833. Generation of 1898**  
Winter and Spring of odd-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: Goytisolo, Lopez Salinas, and others. Essay during the same period: Ortega, Marias, Aranguren, Lain Entralgo.
- 841. Twentieth Century Drama and Poetry**  
Fall of even-numbered years, Winter and Spring of odd-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 Arrabal and Muniz. Poetry from J. R. Jimenez 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 6 credits.*  
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 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.

**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 suturing 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)

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)

513. 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.

**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**

(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**

**SS**

**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. 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.) 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.