

FORESTRY

801*. **Forestry Research**
 Fall, 1(1-0)
 R: Graduate standing
 The philosophy, nature and workings of the research process in the forest sciences.

804*. **Forest Ecology**
 Spring of even-numbered years. 3(3-0)
 P: FOR 404 or equivalent
 Theories, methods of analysis and discussion of forest productivity, competition, succession, gap, wave and landscape regeneration, wildfire, nutrient cycling, timber management and biodiversity.
 QA: FOR 804

807*. **Forestry Special Problems**
 Fall, Spring, Summer. 1 to 5 credits.
 May reenroll for a maximum of 9 credits.
 P: Instructors signature
 Advanced study in any area of forestry.
 QA: 807

809*. **Advanced Wood Technology**
 Spring of even-numbered years. 3(2-2)
 P: FOR 304 R: Seniors and graduate students CANR FOR
 Selected topics of wood technology including in depth discussion of sorption, mechanical and physical properties, composite technology, industry practices.
 QP: FOR 209

824*. **Forest Soils**
 Fall of odd-numbered years. 3(2-2)
 P: CSS 430; CSS 470; FOR 404
 Evaluation and inventory of forest soils and landscape ecosystems. Physical, water, biological, chemical processes. Nutrient cycling, diagnosis, fertilization. Variability, geography, landscape ecology considerations.

835*. **Silviculture**
 Fall of even-numbered years. 3(3-0)
 P: FOR 304, FOR 305 R: Graduate students only
 Explore the silvicultural research literature to understand the ecological, genetic, physiological and societal impacts of silvicultural practices. Current problems are examined in stand management, forest regeneration, and temperate and tropical zones.
 QP: FOR 304 FOR 305 QA: FOR 835

845*. **Forest Policy**
 Spring of even-numbered years. 3(3-0)
 Models, processes and analysis methods in forest resource policy. Interaction of markets, government, and citizens in policy issue development, formulation, implementation and evaluation.

864*. **Agroforestry Systems**
 Spring of even-numbered years. 3(3-0)
 P: FOR 450, FOR 404 C: FOR 804, FOR 801 R: Graduate standing CANR FOR, CSS, HRT, BOT
 Emphasis on critical review of the literature on agro-ecology, nutrient cycling, soil-root-tree/crop interface, nitrogen fixing trees, tree selection, improvement and management, IPM, and microclimatology, as related to agroforestry.

866*. **Economics of Renewable Resources**
 Spring of odd-numbered years. 3(3-0)
 Interdepartmental with the Department(s) of Resource Development.
 P: AEC 821 R: Graduate standing
 Applications of economic theory and analysis to renewable natural resources problems. Emphasis on joint production and forest-related resource interactions, including multiple-use forestry and agroforestry.
 QP: FOR 809

899*. **Masters Thesis Research**
 Fall, Spring, Summer. 1 to 16 credits.
 May reenroll for a maximum of 24 credits.
 Research for Masters Thesis

910*. **Modeling for Natural Resources Management**
 Spring of even-numbered years. 3(2-2)
 Interdepartmental with the Department(s) of Resource Development.
 P: AEC 892B Applied Operations Research (Harsh) or course in Systems Sci.
 R: Graduate standing
 Role of simulation and optimization models in developing resource management strategies. Applications of computer-based modeling in natural resources. Modeling of decision systems.
 QP: FOR 960

930*. **Advanced Forest Genetics**
 Fall of odd-numbered years. 2(1-2)
 Interdepartmental with the Department(s) of Horticulture, Crop and Soil Sciences.
 P: FOR 420 or a plant breeding course.
 C: FOR 420
 In depth applications of the science of genetics, plant breeding, and biotechnology to preservation of diversity and improvement of important tree species.

976*. **Applied Multivariate Analysis**
 Spring. 4(4-0)
 P: MTH 334, STT 423 R: Graduate Students CANR
 Application of multivariate methods to research problems. Hotellings T, profile analysis, discriminant analysis, canonical correlation, principal components, principal coordinates, correspondence analysis, and cluster analysis.
 QP: MTH 334 STT 423 QA: FOR 976

999*. **Doctoral Dissertation Research**
 Fall, Spring, Summer. 1 to 16 credits.
 Research for doctoral dissertation

FRENCH FRN

101*. **Elementary French I**
 Fall, Spring. 4(4-1)
 R: No previous experience in French or designated score on French placement test. Not open to students with credit in FRM 150.
 Practice in using and understanding French to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
 QA: FRN 101 FRN 102

102*. **Elementary French II**
 Fall, Spring. 4(4-1)
 P: FRN 101 or designated score on French placement test. R: Not open to students with credit in FRM 150.
 Further practice in using and understanding French to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
 QP: FRN 102 QA: FRN 103

150*. **Review of Elementary French**
 Fall, Spring. 3(3-1)
 R: Open to students with high school credit in French and designated score on French placement test. Not open to students with credit in FRM 101 or FRN 102.
 Review of college first-year French for students who had the language in high school and who need to strengthen communication skills, vocabulary, grammar, and pronunciation before study at the 200 level.
 QA: FRN 190

201*. **Second-Year French I**
 Fall, Spring. 4(4-0)
 P: FRN 102 or FRN 150 or designated score on French placement test.
 Intermediate-level review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the French-speaking world.
 QP: FRN 103 QA: FRN 201 FRN 202

202*. **Second-Year French II**
 Fall, Spring. 4(4-0)
 P: FRN 201.
 Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the French-speaking world.
 QP: FRN 202 QA: FRN 203

290*. **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
 QA: FRN 299

320*. **Grammar and Composition**
 Fall, Spring. 3(3-0)
 P: FRN 202 or designated score on French placement test.
 Systematic review of grammar. Extensive writing in French.
 QP: FRN 203 QA: FRN 321 FRN 322

330*. **French Phonetics**
 Fall, Spring. 3(3-0)
 P: FRN 202 or designated score on French placement test.
 Analysis of French pronunciation for listening and speaking.
 QP: FRN 203 QA: FRN 300

340*. **Introduction to Reading French Literature**
 Fall, Spring. 3(3-0)
 P: FRN 202 or designated score on French placement test.
 Close reading and interpretation of French drama, poetry, fiction, and other prose forms.
 QP: FRN 203 QA: FRN 361

350*. **The Contemporary French Scene**
 Fall. 3(3-0)
 P: FRN 320, FRN 340.
 Institutions, history, arts, and major sociopolitical issues of France and its former colonies from 1945 to the present, with an emphasis on the Fifth Republic; class conducted in French.
 QP: FRN 321 FRN 322 QA: FRN 327

355*. **French Literature in English Translation**
 Spring of even-numbered years. 3(3-0)
 R: Not open to freshmen.
 Representative works and themes of French literature.
 QA: FRN 341

400*. **Reading French for Graduate Students**
 Spring. 3(3-0)
 R: Not open to freshmen and sophomores.
 Intensive study of French for graduate students needing a reading knowledge of the language.
 QA: FRN 411 FRN 412

410*. **Survey of French Literature I**
 Fall. 3(3-0)
 P: FRN 320, FRN 340.
 French literature from the Middle Ages to the Enlightenment.
 QP: FRN 322 FRN 361 QA: FRN 362

FRENCH

- 420*.** *Survey of French Literature II*
Spring. 3(3-0)
P: FRN 320, FRN 340.
French literature from the Enlightenment to the present.
QP: FRN 322 FRN 361 QA: FRN 362
- 425*.** *Advanced Studies in French Language*
Fall. 3(3-0)
P: FRN 320, FRN 340.
Translation, stylistics, composition, creative writing, prescriptive grammar.
QP: FRN 322 FRN 361 QA: FRN 422 FRN 423
- 430*.** *French Linguistics*
Spring. 3(3-0)
P: FRN 320, FRN 330; LIN 401 or ROM 401.
Key issues in French linguistics and contrastive structures of French and English.
QP: FRN 322 FRN 300LIN 401 QA: FRN 420 FRN 421
- 440*.** *Francophone Cultures and Civilizations*
Spring. 3(3-0)
P: FRN 350.
Social, political, intellectual, and artistic life of France and the French-speaking world in relation to the French language, literatures, and other cultural media.
QP: FRN 327 FRN 361FRN 322 QA: FRN 435
- 450*.** *French Literature of the Middle Ages*
Fall of even-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Major currents of the Middle Ages as reflected in the writings of representative authors of the period.
QP: FRN 361 FRN 362FRN 322 QA: FRN 450
- 455*.** *French Literature of the 16th Century*
Spring of odd-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Literature reflecting major currents of the Renaissance and Reformation.
QP: FRN 361 FRN 362FRN 322 QA: FRN 455
- 460*.** *French Literature of the 17th Century*
Fall of odd-numbered years. 3(3-0)
P: FRN 410, FRN 420
Literature reflecting major currents of the Baroque and classical periods.
QP: FRN 361 FRN 362FRN 322 QA: FRN 460
- 465*.** *French Literature of the 18th Century*
Spring of even-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Literature reflecting major currents of the French Enlightenment.
QP: FRN 361 FRN 363FRN 322 QA: FRN 465
- 470*.** *French Literature of the 19th Century*
Fall of even-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Literature reflecting major currents of nineteenth-century France.
QP: FRN 361 FRN 363FRN 322 QA: FRN 470
- 475*.** *French Literature of the 20th Century*
Spring of odd-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Literature reflecting major currents of the twentieth-century France.
- QP: FRN 361 FRN 363FRN 322 QA: FRN 475
- 480*.** *Literature of Quebec*
Fall of odd-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Major works of Quebec literature from the seventeenth-century to the present.
QP: FRN 361 FRN 363FRN 322 QA: FRN 485
- 485*.** *Francophone Literatures of the Third World*
Spring of even-numbered years. 3(3-0)
P: FRN 410, FRN 420.
Francophone literatures of West Africa, the Maghreb, Madagascar, the Caribbean, and Vietnam.
QP: FRN 361 FRN 363FRN 322 QA: FRN 485
- 490*.** *Independent Study*
Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 4 credits.
R: Approval of the Department
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
QA: FRN 499
- 491*.** *Special Topics in French*
Fall, Spring, Summer. 3(03-00)
R: Approval of the Department
Special topics supplementing regular course offerings proposed by faculty on a group study basis.
- 800*.** *Current Approaches to French Instruction*
Fall. 3(3-0)
A theoretical and practical view of methodologies of teaching French.
QA: FRN 800
- 801*.** *Introduction to Methods of Research in Literature*
Spring. 1(1-0)
Examination of the methods of research in French literature.
QA: ROM 800
- 805*.** *Evolution of the French Language*
Fall of odd-numbered years. 3(3-0)
A diachronic examination of the phonological, morphological and syntactic developments of French as it evolved from Latin.
QA: FRN 805
- 806*.** *Topics in French Linguistics*
Spring of even-numbered years. 3(3-0)
Key issues in theoretical and applied French linguistics.
QA: FRN 806
- 807*.** *Development of French Culture*
Fall of odd-numbered years. 3(3-0)
French culture through the history of ideas or the evolution of institutions or through literature and the sister arts.
QA: FRN 809
- 810*.** *Studies in Medieval French Literature.*
Spring of odd-numbered years. 3(3-0)
Works of major writers of the French Middle Ages.
QA: FRN 802
- 815*.** *Studies in Sixteenth-Century French Literature*
Fall of even-numbered years. 3(3-0)
Works of major prose writers and poets of the Renaissance and Reformation.
QA: FRN 810
- 820*.** *Studies in French Literature of the Seventeenth Century*
Spring of even-numbered years. 3(3-0)
Works of major writers of the seventeenth century.
QA: FRN 820
- 825*.** *Studies in Eighteenth-Century French Literature*
Fall of odd-numbered years. 3(3-0)
Works of major writers of the French Enlightenment.
QA: FRN 830
- 830*.** *Studies in Nineteenth Century Literature*
Spring of odd-numbered years. 3(3-0)
Major authors and selected topics in poetry, prose, and drama of the nineteenth century.
QA: FRN 840
- 835*.** *Studies in Twentieth Century Literature*
Fall of even-numbered years. 3(3-0)
The diverse spiritual, intellectual, psychological, and aesthetic conflicts in masterpieces of world-wide impact.
QA: FRN 865
- 840*.** *French Quebecois Literature*
Fall of even-numbered years. 3(3-0)
Major authors and selected topics in the poetry, prose, and drama of Quebec.
QA: FRN 871
- 845*.** *Francophone Third World Literature*
Spring of odd-numbered years. 3(3-0)
Leading figures, themes, and movements of Francophone literatures outside France: literature of the colonial period, Negritude, satire, commitment and revolution, the problems of independence.
QA: FRN 871
- 890*.** *Independent Study*
Fall, Spring, Summer. 1 to 3 credits.
May reenroll for a maximum of 3 credits.
R: Approval of the Department
Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.
QA: FRN 860
- 891*.** *Special Topics in French*
Fall, Spring, Summer. 3(03-00) May reenroll for a maximum of 6 credits.
R: Approval of the Department
Special topics supplementing regular course offerings proposed by faculty on a group study basis for graduate students.
- 999*.** *Doctoral Dissertation Research*
Fall, Spring, Summer. 1 to 24 credits.
May reenroll for a maximum of 24 credits.
R: Approval of the Department
QA: FRN 999