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.

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
a faculty member in areas supplementing regular department.
R: Not open to freshmen and sophomores. Approval of

800. Current Approaches to French Instruction
Fall. 3(3-0)
Theoretical and practical view of methodologies of teaching French.

801. Methods of Research in French Literature
Spring. 3(1-0)
Research tools in French literature.

805. Evolution of the French Language
Fall of even-numbered years. 3(3-0)
Diachronic examination of the phonological, morphological, and syntactic developments of French as it evolved from Latin.

806. Topics in French Linguistics
Spring of even-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Key issues in theoretical and applied French linguistics. Syntax, morphology, phonology, and semantics.
Foreign language acquisition.

807. Topics in the Development of French Culture
Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
French culture through the history of ideas, through the evolution of institutions, or through literature and the related arts.

810. Studies in Medieval French Literature.
Spring of even-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Works of major writers of the French Middle Ages.

815. Studies in 18th-Century French Literature
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Works of major prose writers and poets of the Renaissance and Reformation.

820. French Literature of the 17th Century
Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Works of major writers of the seventeenth century.

825. Studies in 18th-Century French Literature
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Works of major writers of the French Enlightenment.

830. Studies in 19th Century Literature
Spring of even-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Major authors and selected topics in poetry, prose, and drama of the nineteenth century.

835. Studies in 20th Century Literature
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Spiritual, intellectual, psychological, and aesthetic conflicts in texts with world-wide impact.

840. French Quebecois Literature
Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Leading figures, themes, and movements of Francophone literatures outside France. The colonial period, Négritude, satire, commitment and revolution, and problems of independence.

845. Francophone Third World Literature
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
Firms and government. Supervised independent research on selected legal topics.

850. Approaches to French Literature
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
R: Not open to freshmen and sophomores. Approval of department.
Special topics supplementing regular course offerings proposed by faculty on a group study basis.

890. Role of Law in Business
Fall, Spring. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
R: Approval of department.

999. Doctoral Dissertation Research
Fall, Spring. 1 to 24 credits. A student may earn a maximum of 24 credits in all enrollments for this course.
R: Approval of department.
848. Legal Environment of Business  
Fall, Spring, 3(3-0)  
R: Open only to students in the Professional Accounting, Master of Business Administration programs, and to students in programs for which GBL 848 is a catalog-listed requirement.  
The legal, political, and social environment of business and the structural framework in which law functions.

859. Business Legal Environment  
Spring, 2(2-0)  
R: Open only to Master's students in the Advanced Management Program.  

880. Corporate and Professional Social Responsibility  
Fall, 3(3-0)  
R: Open only to graduate students in Business and students in programs for which GBL 880 is a catalog-listed requirement.  
Impact of corporations and professions in societies and across societies. Control of business organizations. Social and moral responsibilities of organizations. The individual's role in a business organization.

890. Independent Study  
Fall, Spring, Summer, 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GBL 880. R: Open only to graduate students in Business. Approval of department.  
Faculty-supervised independent study.

GENETICS  
College of Natural Science

860. Genetics Seminar  
Fall, Spring, Summer, 1(1-0)  
A student may earn a maximum of 12 credits in all enrollments for this course.  
Critical analysis of current literature. Student presentations.

844. Chromosome Structure and Genetics  
Spring of even-numbered years, 3(3-0) Interdepartmental with Zoology, Administered by Zoology.  
R: Approval of department.  
Classical and molecular genetics of chromosome structure and behavior in mitosis and meiosis. Synapsis and disjunction, exchange, centromeres, euchromatin, heterochromatin and transposable elements.

851. Molecular Entomology  
Fall of odd-numbered years, 3(3-0) Interdepartmental with Entomology, Administered by Entomology.  
Analysis of molecular processes unique to insects, and their potentials for genetic engineering.

889. Laboratory Rotation  
Fall, Spring, Summer, 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to Ph.D. majors in Genetics.  
Participation in research with faculty members.

890. Selected Topics in Genetics  
Fall, Spring, Summer, 2 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
P: ZOL 341.  
Topic selected from molecular genetics, physiological genetics, population genetics, quantitative genetics, microbial genetics, somatic cell genetics, behavioral genetics, human genetics, evolution, or radiology and mutagenesis.

999. Doctoral Dissertation Research  
Fall, Spring, Summer, 1 to 12 credits. A student may earn a maximum of 89 credits in all enrollments for this course.  
R: Open only to Ph.D. students in Genetics.

GEOGRAPHY  
Department of Geography  
College of Social Science

913. Introduction to Economic Geography  
Spring, 3(3-0)  
Spatial distribution of resources, population, enterprise, trade, consumption, and production. Interaction of these distributions at local to global scales.

151. Cultural Geography  
Fall, Spring of even-numbered years, 3(3-0)  
Systematic approach to the spatial distribution of cultural features, processes, and relationships.

203. Introduction to Meteorology  
Fall, 3(3-0)  

204. Physical Geography  
Fall, Spring, 3(3-0)  
Geographic and functional interrelationships within the physical environment: Earth-sun relationships, weather, climate, soils, vegetation and landforms (terrain characteristics).

205. Physical Geography Laboratory  
Fall, Spring, 10(2)  
P: GEO 204 concurrently.  
Geographic aspects of weather, climate, soil, vegetation, and terrain. Interpretation and application of maps and remotely sensed imagery.

221. Introduction to Geographic Information  
Spring, 3(2-4)  
Principles and methods of spatial data collection, handling, analysis, and display. Introduction to remote sensing, geographic information systems, and cartography.  
SA: GEO 225

230. Geography of the United States and Canada  
Fall, Spring, Summer, 3(3-0)  
Regional analysis. Evolution and status of environmental, demographic, economic, and sociocultural patterns and processes.

232. Geography of Michigan  
Fall of odd-numbered years, 3(3-0)  
Physical and cultural geography of Michigan.

235. Geography of Recreation and Tourism  
Fall of even-numbered years, 3(3-0)  
Cultural, physical, and biotic factors affecting the distribution of recreation and tourism resources and participation. U.S. and international examples and case studies.

236. Environmental Geomorphology  
Fall of even-numbered years, Spring, 3(3-0)  
Relationships of running water, weathering, gravity, ice, waves, wind, and biota (including humans) to terrain and soils. Evolution of landscapes. Classical and modern interpretations.

313. Introduction to Data Analysis for Urban and Regional Planners  
Fall, 3(2-4) Interdepartmental with Urban Planning, Administered by Urban Planning.  
P: CPS 100 or CPS 130 or CPS 131; UP 201.  
Data gathering analysis, information presentation, and basic techniques of urban planning. Application of related computer programs and software.

314. Methods for Investigation of Urban Systems  
Spring, 3(2-4) Interdepartmental with Urban Planning, Administered by Urban Planning.  
P: UP 313.  
Models, approaches, and techniques for urban and regional problem analysis and plan formulation.

324. Remote Sensing of the Environment  
Fall, Spring, 3(2-4)  
Features and interpretation methods of remotely-sensed imagery, especially black-and-white and color infrared airphotos. Basic features of radar, thermal, and multispectral imagery. Interpretation for agriculture, archaeology, fisheries, forestry, geography, landscapes architecture, planning, and wildlife management.

326. Thematic Cartography  
Fall, 4(2-4)  
P: GEO 221.  
Principles and techniques of map making. Decision making in designing thematic maps.

335. Geography of Latin America  
Fall, 3(3-0)  
R: Not open to freshmen. Completion of Tier I writing requirement.  
Physical and human geography of Latin America. Current development issues, especially people-environment interaction in urban and rural areas. Topics include migration, urbanization, and industrialization.

336. Geography of Europe  
Fall of even-numbered years, 3(3-0)  
R: Not open to freshmen. Completion of Tier I writing requirement.  
Major regions and nations, including their physical resources, peoples, political structures, and economies.

337. Geography of East Asia  
Spring, 3(3-0)  
R: Not open to freshmen. Completion of Tier I writing requirement.  
Spatial patterns and processes of physical and human geography in China, Japan, Korea, and Taiwan. Emphasis on development problems, especially since 1950.

338. Geography of Africa  
Fall, 3(3-0)  
R: Not open to freshmen. Completion of Tier I writing requirement.  
Physical and human geography of Africa. Current development issues, especially people-environment interaction in urban and rural areas. Topics include drought, agricultural patterns, hunger, rural development, migration, and urbanization.

401. Geography of Plants of North America  
Spring of even-numbered years, 3(3-0)  
R: Not open to freshmen and sophomores.  
Geography of Plants in North America with emphasis on the East. Related ecological principles, soils, and post-paleozoic geologic history. Some field instruction.