

Curriculum and Instruction

CI 410 4 hrs. Literature, Social Studies, and the Arts in the Elementary School

Theory and practice in curriculum development, planning instruction, and assessing learning in elementary classrooms. Literature, social studies, and the arts content foci.

CI 414 3 hrs. Middle and High School Literacy

Focuses on the teaching of reading and writing strategies appropriate for disciplinary learning and expression. Fieldwork required. **Prerequisite(s):** Junior standing or above; and consent of the instructor.

CI 416 3 hrs. Programs for Underserved Youth

Survey and evaluation of physical activity-based and other models and programs designed to help underserved youth in school, extended day, and special programs. Includes development of new models. **Prerequisite(s):** Junior standing or above and consent of the instructor.

CI 464 4 hrs. Bilingualism and Literacy in a Second Language

Theoretical foundations of second language acquisition and the teaching of English as second language. Methods and materials for teaching reading and writing in bilingual/ESL settings. **Prerequisite(s):** Junior standing and admission into the College of Education or consent of instructor.

CI 472 4 hrs. Language Proficiency Assessment and ESL Instruction

English language proficiency assessment instruments and procedures; effective planning and ESL instructional practices; methods, materials, and technology resources for teaching ESL in K-12 school settings. **Prerequisite(s):** CI 481 and junior standing or above; or consent of the instructor.

CI 480 3 OR 4 hrs. Technology and Multimedia: Learning Tools in the Classroom

New technologies to support teaching and learning in precollege classrooms. **Same as** SPED 480. 3 undergraduate hrs. 4 graduate hrs.

CI 481 4 hrs. Foundations and Current Issues in Educating English Language Learners

Philosophical, theoretical, sociocultural, and educational examination of learning and achievement issues that culturally and linguistically diverse students face in American schools. Fieldwork required. **Prerequisite(s):** Junior standing or above.

CI 482 4 hrs. Assessment and Instruction: A Multilingual/Multicultural Perspective

Methods and materials for teaching English language learners (ELLs) in bilingual/ESL classrooms. Emphasis upon curricular and methodological practices, assessment for academic placement, and instruction.

Prerequisite(s): CI 481 and junior standing or above; or consent of the instructor.

CI 483 3 OR 4 hrs. Methodology of TESOL

Methods of teaching listening, speaking, reading, and writing to speakers of English as a second or foreign language. **Same as** LING 483. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing and consent of the instructor.

CI 484 3 hrs. Curriculum and Instruction in the Middle School

Philosophy, curriculum, and instructional methods for teaching middle grade students (grades five through eight). Content area reading is included.

Prerequisite(s): ED 200 and ED 210; or graduate standing and either ED 402 or ED 403, and either ED 421 or ED 422 or ED 445 and either ED 430 or ED 431 and approval of the College of Education.

CI 494 1-4 hrs. Special Topics in Curriculum and Instruction

Exploration of an area not covered in existing course offerings. Content varies. May be repeated to a maximum of 12 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

Disability and Human Development

DHD 176 3 hrs. Disability in American Film

Examines images of disability in popular and documentary film. It is primarily intended to develop interpretations of disability as a meaning-making device in visual media. *Creative Arts, and U.S. Society course.*

DHD 401 3 hrs. Foundations of Disability and Human Development

A critical review of key concepts and issues in disability. Students will develop a framework for understanding disability as a multilevel entity, including the impact of disability at personal, social, and societal levels.

Prerequisite(s): Enrollment in the MS in Disability and Human Development program or consent of the instructor.

DHD 430 3 hrs. Introduction to Disability Policy and Organization

Legislative, legal, and administrative foundations for the provision of services to persons with disabilities in the U.S. Roles of

residential institutions, the independent living movement, class action litigation, and advocacy. **Prerequisite(s):** DHD 401 or consent of the instructor.

DHD 440 3 hrs. Introduction to Assistive Technology: Principles and Practice

Principles and exemplary practice of assistive technology used by individuals with disabilities, including augmentative communication, seating, mobility, computer access, environmental control, home modifications, and website modifications.

Prerequisite(s): Graduate standing or consent of the instructor.

Recommended background: Undergraduate enrolled in health sciences, education, or engineering and working professionals seeking to develop assistive technology as an area of concentration.

DHD 441 3 hrs. Adaptive Equipment Design and Fabrication

Examination of the interaction between design and disability, through comparison of appropriate design theories, materials, and work on consumer-based issues.

Prerequisite(s): Graduate standing; or DHD 440 and consent of the instructor. **Recommended background:** Undergraduates enrolled in health sciences, education, or engineering, or working professionals seeking to develop assistive technology as an area of concentration.

DHD 444 3 hrs. Assistive Technology for Literacy, Learning, and Participation in Pre-K through High School

Use of communication systems, computers, adapted equipment, and strategies to foster participation and inclusion of students in grades preschool through high school. **Same as** SPED 444.

DHD 445 3 OR 4 hrs. Topics in Disability Studies

This course will focus on topics structured around particular aspects of Disability Studies and its practical, cultural, and theoretical implications. **Same as** ENGL 445. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or ENGL 364; and senior standing or above; or consent of the instructor.

DHD 460 3 hrs. Fundamentals of Behavior Analysis

Introduction to the principles, concepts, and applications of behavioral principles. Content includes philosophic origins, historic and current practices of experimental and applied behavior analysis. **Prerequisite(s):** Credit or concurrent registration in DHD 401 or the equivalent.

DHD 464 3 hrs. Survey of Developmental Disabilities

Survey of the developmental disabilities field, including basic definitions, history of DD services, relevant public policies and legislation, service delivery systems, and research. **Same as** CHSC 464. **Prerequisite(s):** Graduate standing or consent of the instructor.

DHD 494 1-4 hrs. Special Topics in Disability and Human Development

Systematic study of selected topics in disability and human development. May be repeated. Students may register in more than one section per term.

Prerequisite(s): Graduate standing or consent of the instructor.

Earth and Environmental Sciences

EAES 101 5 hrs. Exploring the Earth's Surface

Nature and evolution of the Earth's surface. Interactions among the Earth's solid surface, hydrosphere, atmosphere, and biosphere. Human impacts on natural processes. Lecture, laboratory, and discussion. Credit is not given for EAES 101 if the student has credit for EAES 107. Field trip required at nominal fee. *Natural World—With Lab course.*

EAES 102 5 hrs. Exploring the Earth's Interior

Nature and evolution of the Earth's interior. Interactions between the Earth's interior and its surface. Earthquakes, volcanoes, and other geological hazards and their impact on society. Geological materials and resources. Lecture, laboratory, and discussion. Field trip required at nominal fee. *Natural World—With Lab course.*

EAES 107 5 hrs. The Changing Earth

Introduction to the earth sciences and the development of the modern environment, using Illinois and, specifically, the Chicago Metropolitan Region to illustrate this relationship. Lecture, laboratory, and discussion. Credit is not given for EAES 107 if the student has credit in EAES 101 or EAES 102. Two Saturday field trips required at nominal fee.

EAES 109 4 hrs. The Restless Earth

Introduction to plate tectonics, how ocean seafloor and continents form, break apart, and collide and their relation to volcanoes, earthquakes, Earth's interior, geological resources, and climate change. Lecture, laboratory and discussion. Credit is not given for EAES 109 if the student has credit for EAES 102. *Natural World—With Lab course.*

EAES 180 1 hr.
Honors Earth and Environmental Sciences
 Provides honors students with the opportunity to explore in depth a topic treated in the concurrent lecture course. May be repeated up to 1 time(s). Students may register in more than one section per term. May be taken a total of 2 times, each time with concurrent registration in EAES 101 or EAES 102.
Prerequisite(s): Concurrent registration in EAES 101 or EAES 102. Restricted to Honors students.

EAES 200 2 hrs.
Fieldwork in Missouri
 Field observations in the St. Francois Mountains and vicinity, southeast Missouri. Credit is given upon completion of assignments that include a satisfactory written report. Three two-hour meetings and one-week field trip during the spring vacation. Attendance at the class meetings are mandatory in order to maintain enrollment in the class.
Prerequisite(s): Grade of B or better or concurrent registration in EAES 101 and grade of B or better or concurrent registration in EAES 102. Registration may be limited if student is not majoring in Earth and Environmental Sciences.
Natural World—With Lab course.

EAES 220 4 hrs.
Mineralogy
 Structure, composition, occurrence, and identification of minerals and materials. Introduction to crystallography, optical mineralogy, crystal chemistry, and X-ray diffraction. Applications to earth and environmental sciences.
Prerequisite(s): Credit or concurrent registration in CHEM 112.

EAES 285 4 hrs.
Environmental Geology
 Earth systems and global change; global processes, greenhouse gases and global warming; geologic hazards; energy and the environment; human impact on the physical environment; geology of waste management. Saturday field trip required at nominal fee.
Prerequisite(s): EAES 101 or EAES 107 or consent of the instructor.

EAES 310 4 hrs.
Introduction to Geochemistry
 Principles of geochemical reactions. Chemical evolution of the earth's crust, hydrosphere, and atmosphere. Biogeochemical evolution. Implications for global change.
Prerequisite(s): EAES 220 or consent of the instructor.

EAES 330 4 hrs.
Introduction to Petrology
 Igneous and metamorphic rock composition, classification, rock-forming processes. Description and interpretation of thin-sections.
Prerequisite(s): EAES 220.

EAES 350 4 hrs.
Principles of Sedimentology and Stratigraphy
 Characterization of sediments and sedimentary rocks, sediment transport, deposition and sedimentary structures, depositional environments. Stratigraphic principles, introductory sequence stratigraphy. Applied sedimentary geology. Field trips required at nominal fee.
Prerequisite(s): EAES 220; or consent of the instructor.

EAES 360 4 hrs.
Introduction to Paleontology
 The morphology, ecology, and relationships of fossil organisms. Basic principles of paleontology, including evolution, paleoecology, and functional morphology.
Same as BIOS 360.
Prerequisite(s): EAES 102 or one year of biological sciences.

EAES 390 2 hrs.
Current Topics in Earth and Environmental Sciences
 Seminar on current issues in earth and environmental sciences. Introduction to reading, interpretation, and writing of scientific papers.
Prerequisite(s): Completion of at least one 200-level course in earth and environmental sciences.

EAES 396 2–8 hrs.
Independent Research
 Individual study under supervision of a faculty member in areas not covered in standard courses. May be repeated. Students may register in more than one section per term. A combined maximum of 6 hours of credit in EAES 396 and EAES 492 may be applied toward the degree. Independent research and a resulting undergraduate thesis are required for graduating with highest departmental distinction.
Prerequisite(s): Consent of the instructor.

EAES 400 6 hrs.
Field Experience in Earth Sciences
 Application of geologic mapping and other field techniques to a summer field camp in the Black Hills of South Dakota for a period of six weeks.
Prerequisite(s): EAES 330 and EAES 440, or consent of the instructor.

EAES 410 4 hrs.
Geochemistry
 Origin of elements. Principles of the distribution of elements in the Earth's crust. Element partitioning between coexisting minerals. Thermodynamic considerations of mineral equilibria. Geochemistry of continental waters. Ocean geochemistry.
Prerequisite(s): CHEM 114 or consent of the instructor.

EAES 415 4 hrs.
Environmental Geochemistry
 Chemical reactions in natural environments; surface chemistry of metals and organic compounds. Clay minerals in soils and sediments. Chemistry of contaminant remediation.
Prerequisite(s): EAES 310 or consent of the instructor.

EAES 416 4 hrs.
Organic Geochemistry
 Global carbon cycle, chemical composition of biogenic matter, sedimentology and diagenesis of organic matter, molecular fossils, geopolymers, fossil fuels, anthropogenic organic compounds, carbon isotope geochemistry.
Prerequisite(s): CHEM 114 or CHEM 130, and EAES 350; or consent of the instructor.

EAES 422 4 hrs.
Crystal Chemistry of Rock-Forming Minerals
 The crystal chemistry, chemistry, phase equilibria, and properties of materials and minerals.
Prerequisite(s): EAES 220 or consent of the instructor.

EAES 424 4 hrs.
X-Ray Crystallography
 Introduction to the use of diffraction techniques for the identification and characterization of materials.
Prerequisite(s): Consent of the instructor.

EAES 430 4 hrs.
Igneous Petrology
 Discussion of petrogenesis, application of thermodynamic principles to the crystallization of rocks.
Prerequisite(s): CHEM 114 and EAES 330.

EAES 440 4 hrs.
Structural Geology and Tectonics
 Elementary stress and strain relations; folds, fabrics, and faults; deformation mechanisms; basic plate tectonic concepts with regional geological examples. Required weekend field trip at a nominal fee.
Prerequisite(s): EAES 102.

EAES 444 4 hrs.
Geophysics
 Introduction to basic principles of geophysics applicable for environmental problems and the solid earth, including magnetism, electric, seismic, gravity, geophysical well logging, radioactivity, and heat flow.
Prerequisite(s): EAES 102. **Recommended background:** Completion of introductory courses in physics and calculus.

EAES 448 4 hrs.
Plate Tectonics
 Basic concepts and recent developments including plate kinematics, marine magnetism and paleomagnetism, evolution of oceanic lithosphere, subduction zones, and passive margins.
Prerequisite(s): MATH 180; and PHYS 102 or PHYS 142; or consent of the instructor.

EAES 455 4 hrs.
Clastic Sedimentology and Sequence Stratigraphy
 Processes, facies, and sedimentary architecture in fluvial, deltaic, coastal, and offshore marine clastic depositional environments. Relative sea-level change and its controls on the stratigraphic record. Basin and reservoir modeling. Field trips required at nominal fee.
Prerequisite(s): EAES 350 or consent of the instructor.

EAES 466 4 hrs.
Principles of Paleontology
 Theory and methods of evolutionary paleobiology; includes paleoecology, functional morphology, and major features of organic evolution.
Same as BIOS 466.
Prerequisite(s): EAES 360 or BIOS 360 or consent of the instructor.

EAES 470 4 hrs.
Surficial Processes
 Quantitative analysis of the mechanics, rates, and distribution of physical processes that modify Earth's and other planets' surfaces. Introduction to field, theoretical, and modeling approaches.
Prerequisite(s): EAES 101 and MATH 181.

EAES 475 4 hrs.
Hydrology/Hydrogeology
 The occurrence, storage, movement, and quality of water above, on and below the Earth's surface. Topics progress through atmospheric water vapor processes, Earth surface hydrology, and groundwater hydrology. Field trip required at nominal fee.
Prerequisite(s): EAES 101 or EAES 107; and MATH 181; or consent of the instructor.

EAES 480 4 hrs.
Statistical Methods in Earth and Environmental Sciences
 Techniques of probability and data analysis as applied to problems in environmental sciences. Sampling, statistical inference, descriptive statistics, multivariate methods, time series analysis.
Prerequisite(s): Consent of the instructor.

EAES 488 3 hrs.
Instrumental Analysis
 Scanning electron microscopy with energy-dispersive system. DC plasma analysis.
Prerequisite(s): CHEM 114 and EAES 220; or consent of the instructor.

EAES 492 1 hr.
Internship in the Earth and Environmental Sciences
 Off-campus participation in governmental or private-sector training program. Credit is contingent on submission of a final report. Satisfactory/Unsatisfactory grading only. May be repeated with approval. A combined maximum of 6 hours of credit in EAES 492 and EAES 396 may be applied toward the degree.
Prerequisite(s): Approval of the department.

EAES 494 4 hrs.
Current Topics in Earth and Environmental Sciences
 Discussion of current research topics in earth and environmental sciences. **Prerequisite(s):** Consent of the instructor.
Recommended background: Senior standing and 12 hours of advanced courses in earth and environmental sciences.

Economics

ECON 100 3 hrs.
Economic Decisions for Consumers and Families
 Principles of consumer education. Consumer decision making and consumer responsibility throughout the life cycle.

ECON 110 3 hrs.
Economics of Gender
 The role of gender in the economy; comparisons between men and women in time allocation patterns, education, and earnings; economic implications of diverse family structures. **Same as** GWS 110.

ECON 120 3 hrs.
Principles of Microeconomics
 Scarcity and choice, price system, decision making by consumers, individual and market demand, optimal input decisions by firms, perfect and imperfect competition, international trade. Credit is not given for ECON 120 if the student has credit for ECON 130. *Individual and Society, and U.S. Society course.*

ECON 121 3 hrs.
Principles of Macroeconomics
 Determinants of the level of economic activity, inflation, unemployment, interest rates, the roles of fiscal and monetary policies, exchange rates, international trade. Credit is not given for ECON 121 if the student has credit for ECON 130. *Individual and Society, and U.S. Society course.*

ECON 130 5 hrs.
Principles of Economics for Business
 The price system, supply and demand, decision making by consumers and firms, market structure, the level of economic activity, inflation, unemployment, international trade. Credit is not given for ECON 130 if the student has credit for ECON 120 or ECON 121. *Individual and Society, and U.S. Society course.*

ECON 201 1 hr.
Honors Seminar in Economics
 Selected issues in economics. Topics vary. Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 4 hours with approval. Students may register in more than one section per term. Approval to repeat course granted by the instructor and the Honors College.
Prerequisite(s): Membership in the Honors College and consent of the instructor. Restricted to Honors students.

ECON 211 3 hrs.
Topics in Economics Taught in Spanish
 Applications of economic principles to analysis of selected economic issues, taught in Spanish. Specific topics to vary across semesters. **Prerequisite(s):** ECON 120 or ECON 130; and SPAN 303; or consent of the instructor.

ECON 218 4 hrs.
Microeconomics: Theory and Business Applications
 The price system, efficient resource allocation by consumers, firms, and government; perfect and imperfect competition; government regulation; ethics and the marketplace; business applications. Credit is not given for ECON 218 if the student has credit for ECON 220.
Prerequisite(s): ECON 130, or both ECON 120 and ECON 121; and MATH 160.

ECON 220 3 hrs.
Microeconomics: Theory and Applications
 The price system, consumer behavior, market demand, the firm's technology and costs, perfect and imperfect competition, government regulation, general equilibrium and resource allocation, applications. Credit is not given for ECON 220 if the student has credit for ECON 218.
Prerequisite(s): ECON 130 or ECON 120; and MATH 160.

ECON 221 3 hrs.
Macroeconomics in the World Economy: Theory and Applications
 Determinants of the level of economic activity, inflation, unemployment, international economics, impact of domestic and world economy on business decisions, applications of the theory. **Same as** INST 221.
Prerequisite(s): ECON 130, or both ECON 120 and ECON 121; and MATH 160.

ECON 270 4 hrs.
Statistics for Economics
 Descriptive statistics, probability theory, discrete and continuous probability distributions, sampling distributions, estimation, hypothesis testing. Credit is not given for ECON 270 if the student has credit for IDS 270.
Prerequisite(s): MATH 160.

ECON 320 3 hrs.
Law and Economics
 Economic analysis of law and legal processes; economic theory and applications of property law, contract law, and criminal law.
Prerequisite(s): ECON 218 or ECON 220; or consent of the instructor and either ECON 120 or ECON 130 for Pre-Law students and Criminology, Law and Justice majors.

ECON 322 3 hrs.
Managerial Economics
 Application of economic theory to decision making by business firms; demand and cost analysis, including demand forecasts; pricing policies; capital budgeting; production analysis; uses of operations research methods.

Prerequisite(s): ECON 218 or ECON 220; and IDS 270 or ECON 270.

ECON 323 3 hrs.
Business Conditions Analysis
 Application of economic theory to analysis of changes in aggregate income and employment; quantitative economic models and their uses in the prediction of aggregate and more refined levels of business activity; stabilization theory and policy.
Prerequisite(s): ECON 221, and either ECON 346 or IDS 371.

ECON 324 3 hrs.
Economic History of the United States
 Growth and structural changes in the American economy from colonial times to the present; special emphasis on contributing forces and factors.
Prerequisite(s): ECON 218 or ECON 220.

ECON 325 3 hrs.
Topics in Economic History
 Analysis of interaction between historical and economic factors in the evolution of economies. Specific topics to vary.
Prerequisite(s): ECON 218 or ECON 220 or ECON 221.

ECON 326 3 hrs.
History of Economic Thought
 Selected topics in the evolution of positive and normative economics from the seventeenth century to the present.
Prerequisite(s): ECON 218 or ECON 220 or ECON 221.

ECON 328 3 hrs.
Public Finance
 The economic effects of taxes and government expenditures on the allocation of resources and income distribution, public goods and externalities, public choice, the principles and application of cost-benefit analysis; optimal taxation. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 329 3 hrs.
Industrial Organization
 Theory of the structure of markets; measures of industrial concentration; monopoly power; mergers and takeovers; price discrimination; product differentiation, advertising; research and development. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 330 3 hrs.
Government and Business
 Theory and survey of U.S. market structure; antitrust policy and monopoly power; economic regulation including price and quality regulation; social regulation.
Prerequisite(s): ECON 218 or ECON 220.

ECON 331 3 hrs.
Labor Economics
 Application of economic theory to labor markets and related economic phenomena; earnings, employment, unemployment, worker mobility, migration, discrimination. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 332 3 hrs.
Urban Economics
 Survey of economic problems of cities; demand for and supply of housing and urban land; residential segregation; suburbanization; impact of government programs.
Prerequisite(s): ECON 218 or ECON 220.

ECON 333 3 hrs.
International Economics
 The balance of payments; fixed, flexible, and multiple exchange rates; capital flows; comparative advantage; tariffs and subsidies; the factor price equalization theorem. **Same as** INST 333.
Prerequisite(s): ECON 218 or ECON 220 or ECON 221 or INST 221.

ECON 334 3 hrs.
Economic Development
 Characteristics of poor countries, past experience and its relevance, analytical approaches, the role of exposure to foreign factors, planning, and other policies. **Same as** INST 334. **Prerequisite(s):** ECON 218 or ECON 220 or ECON 221 or INST 221.

ECON 339 3 hrs.
Monetary Theory
 Modern money supply and demand theory; the role of money in domestic and international financial markets and in determining economic growth and inflation. **Prerequisite(s):** ECON 221 or FIN 300.

ECON 342 3 hrs.
Regional Economics
 Location of economic activity, systems of cities, economic base theory, regional input-output analysis, neoclassical models of factor mobility and local area economic development.
Prerequisite(s): ECON 218 or ECON 220 or ECON 221.

ECON 345 3 hrs.
Introduction to Mathematical Microeconomics
 Mathematical analysis of microeconomic theory; mathematical treatment of price theory and the behavior of consumers and firms. Credit is not given for ECON 345 if the student has credit for MATH 180. **Prerequisite(s):** MATH 160 and ECON 120.

ECON 346 3 hrs.
Econometrics
 Specification of economic models; measurement of variables; estimation of economic relationships and testing of economic hypotheses; ordinary least squares regression and extensions.
Prerequisite(s): ECON 120 or ECON 121 or ECON 130; and either ECON 270 or IDS 270.

ECON 350 3 hrs.
Economics of Sports and Entertainment
 Analysis of economic issues in the sports and entertainment industries—industrial organization, financing, pricing, labor, and regulatory issues.
Prerequisite(s): ECON 218 or ECON 220.

ECON 351 3 hrs.**Economics of Education**

Treatment of educational sector as an industry; demand and supply of education; issues in educational finance; implications of educational outcomes for economic structure and growth.

Prerequisite(s): ECON 218 or ECON 220; or consent of the instructor and either ECON 120 or ECON 130 for students enrolled in the College of Education.

ECON 353 3 hrs.**Economic Demography**

Analysis of family decision making, focusing on the economics of time allocation, marriage, divorce, fertility, and mortality; relationship between population growth and economic development. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 354 3 hrs.**Health Economics**

Supply and demand for health services, the role of insurance in the healthcare industry, public policy issues, cost, and quality regulation. **Prerequisite(s):** ECON 218 or ECON 220; or consent of the instructor and either ECON 120 or ECON 130 for students enrolled in a health sciences college.

ECON 365 3 hrs.**Economics of Risk and Insurance**

Uncertainty, risk aversion, risk pooling; moral hazard and adverse selection; the economics of self-insurance, social insurance, and the private insurance industry. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 370 3 hrs.**Environmental Economics**

Analysis of major environmental problems as market and policy failures. Benefit-cost methods evaluated. Equity and efficiency aspects of market-based approaches to environmental policy evaluated. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 371 3 hrs.**Introduction to Urban Real Estate**

Introductory survey of urban real estate; business, legal, economic, and financial perspectives. **Same as FIN 371. Prerequisite(s):** ECON 218 or ECON 220.

ECON 390 3 hrs.**Special Topics in Economics**

Exploration of an area not covered in existing course offerings, or study in greater depth of a subject covered in an existing course. **Prerequisite(s):** Consent of the instructor.

ECON 395 0 hrs.**Research and Writing in Economics**

This course is used to satisfy the Writing-in-the-Discipline requirement. Development of analytical and writing skills in economics. Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per

term. Prerequisite(s):

Concurrent registration in a designated 300- or 400-level economics course.

ECON 399 1–3 hrs.**Independent Study in Economics**

Independent study in an area not covered by existing courses or exploration in greater depth of issues covered in a previously taken course. May be repeated up to 1 time(s). **Prerequisite(s):** 9 hours of economics courses at the 300-level or above, an overall GPA of at least 3.25/4.00, and consent of a faculty member and the director of undergraduate studies.

ECON 436 3 OR 4 hrs.**Mathematical Economics**

Application of mathematics to theories of consumer and producer behavior, determination of prices in markets, growth, and stability features of macroeconomic models. 3 undergraduate hrs. 4 graduate hrs.

Prerequisite(s): ECON 218 or ECON 220; and either ECON 345 or MATH 165 or MATH 180.

ECON 441 3 OR 4 hrs.**Teaching Methods in Economics**

Develops skills in preparing and giving lectures and examinations, computer usage and other aspects of teaching economics and consumer economics at secondary/higher education levels. 3 undergraduate hrs. 4 graduate hrs. Credit earned in ECON 441 may not be used to satisfy Economics credit requirements for the BA, BS, MA, or PhD degrees awarded by the Department of Economics. Credit earned in ECON 441 may be applied toward the degree as an elective. **Prerequisite(s):** For undergraduate students, two 300- or 400-level electives in economics; for graduate students in economics, one course in graduate-level microeconomics or macroeconomics.

ECON 442 1–4 hrs.**Topics in Economic Education**

Topics vary. Course content is announced prior to each term in which it is given. May be repeated for credit. Students may register for more than one section per term. Credit for this course may not be used to satisfy the minimum number of Economics credit hours needed for the BA, BS, MA, or PhD in Economics. It may be used as general elective credit for these degree programs or as the Economic Education course requirement for the Certificate in the Teaching of Economics. **Prerequisite(s):** Consent of the instructor. Prerequisites may vary according to topic.

ECON 450 3 OR 4 hrs.**Business Forecasting Using Time Series Methods**

Autoregressive, moving average, and seasonal models for time series analysis and business

forecasting. Forecasting using multi-variable transfer function models. **Same as IDS 476.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IDS 371 or ECON 346 or consent of the instructor.

ECON 472 3 OR 4 hrs.**Real Estate Finance**

Finance principles applied to real estate; financing of residential and income-producing real estate; real estate development finance; secondary mortgage market; taxation and real estate finance. **Same as FIN 472.** 3 undergraduate hrs. 4 graduate hrs. May not be used to satisfy the Economics credit requirement for the MA in Economics and PhD in Economics. Elective credit only will be applied toward these degrees. **Prerequisite(s):** ECON 218 or ECON 220.

ECON 475 3 OR 4 hrs.**Real Estate Markets and Valuation**

Real estate market analysis. Sales comparison, cost, and income approaches to estimating residential and commercial property values. Statistical procedures for real estate analysis. 3 undergraduate hrs. 4 graduate hrs. Course may not be applied toward the minimum required courses in Economics for the MA or PhD in Economics. **Prerequisite(s):** ECON 218 or ECON 220; and ECON 270 or IDS 270; or consent of the instructor.

ECON 495 4 hrs.**Competitive Strategy**

Multidisciplinary analysis of organizational strategy and policy, using case method and/or business simulation. Assignments involve extensive library research and oral and written reports. **Prerequisite(s):** Senior standing in the College of Business Administration and completion of all other CBA core courses, or consent of the instructor.

ECON 499 1–3 hrs.**Independent Study in Economics**

Independent study of a topic not covered in a graduate-level course. **Prerequisite(s):** Graduate standing and consent of the director of graduate studies and the instructor.

Education**ED 100 0–4 hrs.****Introduction to Urban Education**

Introductory and cross-disciplinary examination of issues related to education in urban America, with particular attention paid to policies and practices impacting diversity and equity in public schools. Students who wish to complete an optional fieldwork component register for 4 hours; other students register for 3 hrs. *Individual and Society, and U.S. Society course.*

ED 135 3 hrs.**Child and Youth Policies in Urban America**

Examines policies and practices for children and youth in urban America using sociological, psychological, and economic frameworks. Integrates disciplinary knowledge with educational policies and practices. *U.S. Society course.*

ED 194 1–4 hrs.**Special Topics in Education**

Introductory exploration of a topic not covered in existing course offerings. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

ED 200 3 hrs.**Education Policy Foundations**

Social, cultural, political, and intellectual forces that influence and shape educational policy in the learning process.

Prerequisite(s): Sophomore standing and approval of the Council on Teacher Education.

ED 205 0–4 hrs.**Introduction to Race, Ethnicity, and Education**

Introductory and cross-disciplinary examination of issues related to race, ethnicity, and cultural diversity in education. Students who wish to complete an optional fieldwork component register for 4 hours; other students register for 3 hrs. *Individual and Society, and U.S. Society course.*

ED 210 3 hrs.**The Educative Process**

Psychological factors in learning and instruction. Applications of behavioral psychology, information processing, humanism, and cognitive developmental theory. Issues in special education.

Prerequisite(s): Approval of the Council on Teacher Education.

ED 211 1 hr.**Special Topics in Education**

Topics vary. Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 4 hours with approval. Approval to repeat course granted by the college. **Prerequisite(s):** Membership in the Honors College or approval of the College of Education.

ED 222 3 hrs.**Introduction to Gender, Sexuality, and Education**

Introductory and cross-disciplinary examination of issues related to gender and sexuality in education. *Individual and Society, and U.S. Society course.*

ED 250 1 hr.
Teaching and Learning in Schools I

Initial explorations of career choice, including what does it mean to teach, what does it mean to learn, and what are the various influences on both acts. Students conduct inquiries through fieldwork, group meetings, and analysis of readings. Fieldwork required. Must enroll concurrently in ED 256, ED 257, and EPSY 255.

ED 251 1 hr.
Teaching and Learning in Schools II

As a companion course to ED 250, ED 251 focuses on teaching and learning with emphasis on culture and language. Students will conduct inquiries through fieldwork in bilingual classrooms, small and large group meetings, and analysis of readings. Fieldwork required. Must enroll concurrently in ED 258.

ED 252 3 hrs.
Contemporary Controversies in U.S. Schools

Introductory and cross-disciplinary examination of contemporary controversies related to public education in the United States. *U.S. Society course.*

ED 257 3 hrs.
Foundations of Literacy Learning and Teaching

An analysis of theoretical and empirical foundations of reading and writing instruction focusing on K-8 children as literacy learners and the texts these children encounter and create as readers and writers. **Prerequisite(s):** Open only to Pre-Elementary Education standing.

ED 258 3 hrs.
Bilingualism and Cross-Cultural Issues in a Diverse Society

Provides an introduction to the key issues and concepts related to the study of bilingualism. Effective instruction of linguistically and culturally diverse students will be discussed. **Prerequisite(s):** Completion of the University Writing requirement. *Individual and Society, and U.S. Society course.*

ED 294 1-4 hrs.
Special Topics in Education

Introductory exploration of a topic not covered in existing course offerings. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

ED 301 3 hrs.
Literacy and Elementary Education

Foundations of reading and writing instruction. Influences and outcomes of school literacy experiences, role of literacy in society, effective instruction, and role of literacy in schooling. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 305 3 hrs.
Introductory Fieldwork in Elementary Education

The first field-based course in a sequence, focusing on observing and recording educational environments and children as learners. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 311 3 hrs.
Reading and Writing through the Elementary Grades

In-depth study of reading and writing instruction including emergent literacy, word recognition/spelling, reading comprehension, composition, literacy assessment, content area literacy, materials, and evaluation. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 312 3 hrs.
Teaching Elementary School Mathematics and Science

Issues of curriculum, instruction, and assessment which focus on hands-on science and the integration of science, mathematics, and language arts. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 315 8 hrs.
Fieldwork in Elementary Education II

The second field-based course is a sequence on curriculum development and teaching in urban schools. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 321 3 hrs.
Teaching and Learning for Children of Various Abilities and Cultures

The process of teaching and learning in elementary classrooms with children of various abilities and cultures. Social behavior, values, teaching/learning styles will be included. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 322 3 hrs.
Social Studies and Literature in the Elementary Grades

Curriculum, instruction, and assessment in teaching and learning of the social studies with literature emphases on curricular approaches, instructional strategies, and resources for teachers and students. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program and approval of the College of Education.

ED 325 18 hrs.
Student Teaching in the Elementary Grades

The final field-based course in a sequence, focusing on improving teaching performance in various classroom settings.

Prerequisite(s): Admission to the Bachelor of Arts in Elementary Education program, completion of 100 clock hours of pre-student teaching field experiences, and approval of the College of Education.

ED 330 4 hrs.
Curriculum, Instruction, and Evaluation in the Secondary School

Contexts of teaching and learning in secondary schools. Principles and strategies for curriculum development; planning learning experiences; instruction; classroom organization, management, and student discipline; and evaluation. Field experience required. **Prerequisite(s):** Admission to an approved teacher certification program in secondary education, ED 200 and ED 210.

ED 340 3 hrs.
Teaching Language and Literacy in Elementary School I

A detailed analysis of elementary language and literacy learning, including word recognition, fluency, comprehension, and writing. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program. Successful completion of ED 257.

ED 341 3 hrs.
Teaching Language and Literacy in Elementary Schools II

A detailed description of the knowledge base required to orchestrate and implement language and literacy instruction in elementary schools, including ways to organize student grouping and to develop, monitor, and assess student inquiry. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program. Successful completion of ED 340.

ED 342 3 hrs.
Teaching and Learning Mathematics in the Elementary School

Helps prospective elementary teachers create a foundation from which they can develop an exemplary mathematics teaching practice. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program. MATH 140 and MATH 141 or equivalents completed.

ED 343 3 hrs.
Teaching and Learning Science in Elementary School

To engage in a variety of activities that will help prospective teachers prepare ways that are engaging and creative and

actively involve students in the construction of their own knowledge. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 344 3 hrs.
Teaching and Learning Social Studies and Arts in Elementary School

Processes and relationships between social studies curriculum and issues of identity, diversity, and social justice, and to use arts as a vehicle to facilitate comprehension and appreciation.

Prerequisite(s): Junior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 345 4 hrs.
Multiculturalism, Bilingualism, and Diversity in Elementary School

This course provides prospective teachers with information and experiences that support teaching and learning in diverse settings.

Prerequisite(s): Junior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 350 4 hrs.
Orchestrating Teaching and Learning I

Seminar for students to discuss field experiences, transform lessons learned to students, and craft essential elements of teaching, such as preparing for instruction, assessment, classroom/school cultures. Fieldwork required. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 351 4 hrs.
Orchestrating Teaching and Learning II

Seminar for students to discuss field experiences, transform lessons learned to students, and craft essential elements of teaching, e.g., preparing for instruction, assessment, classroom/school cultures. Fieldwork required. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program. Junior standing or above. Successful completion of ED 350.

ED 352 2 hrs.
Technology Integration in Elementary School I

Works in tandem with literacy and math methods courses designed to introduce cross-curricular computer tools that can be applied within this context. Emphasis placed on integrating common software and hardware tools to achieve content standards. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 353 2 hrs.
Technology Integration in Elementary School II
 Works in tandem with science and social studies courses designed to introduce cross-curricular computer tools that can be applied within this context. Emphasis placed on integrating common software and hardware tools to achieve content standards. **Prerequisite(s):** Junior standing or above and admission to the Bachelor of Arts in Elementary Education program. Successful completion of ED 352.

ED 394 1–4 hrs.
Special Topics in Education
 Exploration of a topic not covered in existing course offerings. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

ED 396 1–4 hrs.
Independent Study
 For students who wish to do independent study on specific educational processes or independently to carry on projects related to education or extensive reading assignments. May be repeated to a maximum of 8 hrs. **Prerequisite(s):** A written proposal for faculty approval and junior standing.

ED 402 3 hrs.
Philosophy of Education and Urban School Policy
 Selected social and education philosophies and their impact on urban school curriculum design, school organization, and control.

ED 403 3 hrs.
Policy Issues in the History of American Education
 Political, economic, and cultural influences shaping the development of American education policy; emphasis on issues of education theory and practice in their historical settings.

ED 421 3 hrs.
Advanced Educational Psychology
 Examines current theory and research on the teaching-learning process with particular attention to general learning and curriculum-relevant problem solving skills. **Prerequisite(s):** ED 210 or graduate standing.

ED 422 3 hrs.
Advanced Developmental Psychology and Educational Processes
 Focuses on cognitive and social development from birth to adolescence. Examines relations between development, learning, and educational processes. **Same as PSCH 422.** **Prerequisite(s):** PSCH 100 and any one from ED 210, PSCH 259, PSCH 320; or graduate standing and consent of the instructor.

ED 431 3 hrs.
Improving Learning Environments
 Analysis of structural, normative, and social dimensions of learning environments and their relationships to student learning. Exploration of change processes to improve those environments. **Prerequisite(s):** Graduate standing or consent of the instructor.

ED 432 5 hrs.
Instruction and Evaluation in Secondary Education
 Instructional planning and curriculum design; strategies for instruction and classroom management; forms of formative and summative evaluation; and professional development issues. Fieldwork required. **Prerequisite(s):** Completion of Education Core Courses in undergraduate teacher certification program: ED 200 and ED 210; in graduate teacher certification program: ED 402 or ED 403 or EDPS 401; and ED 421 or ED 422 or ED 445.

ED 445 3 hrs.
Adolescence and the Schools
 Physiological, intellectual, and social development of adolescence. Relations between aspects of adolescent development and the academic and social demands of secondary schools. **Prerequisite(s):** ED 210 or the equivalent, or graduate standing.

ED 450 15 hrs.
Composing a Teaching Life I
 Begins the capstone experience of the program, full-time student teaching in an elementary classroom. It is accompanied with a weekly seminar to discuss experiences, reason about learning, and reflect on students' own learning. **Prerequisite(s):** Senior standing or above and admission to the Bachelor of Arts in Elementary Education program.

ED 451 5 hrs.
Composing a Teaching Life II/Senior Reflective Seminar
 Provides the capstone experience for students, with a weekly Senior Reflective Seminar in which students reflect upon their teaching through the lenses of the five program curricular strands. Fieldwork required. **Prerequisite(s):** Admission to the Bachelor of Arts in Elementary Education program. Senior standing and successful completion of ED 450.

ED 461 3 hrs.
Political and Sociocultural Perspectives on Special Education
 Students will examine issues of access and equity through legislation, litigation, and sociocultural perspectives and be introduced to major theoretical frameworks that influence special education programs. **Same as SPED 461.** Fieldwork required.

ED 470 0–12 hrs.
Educational Practice with Seminar I
 The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the college. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the college or department of specialization.

ED 471 12 hrs.
Educational Practice with Seminar II
 The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the college. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in ED 470, and approval of the college or department of specialization.

ED 472 3 hrs.
Promoting Academic and Prosocial Behavior I
 The importance of school-wide and classroom structure and climate in the educational process. Strategies to promote academic success and desired social behavior. **Same as SPED 472.** Fieldwork required. **Prerequisite(s):** SPED 461 or ED 461 or the equivalent or consent of the instructor.

ED 473 3 hrs.
Teaching Math and Science with Adaptations
 Provides prospective teachers with assessment strategies and a range of adaptations, modifications, and interventions in math and science for students with disabilities. **Same as SPED 473.** Fieldwork required. **Prerequisite(s):** SPED 461 or ED 461 or the equivalent or consent of the instructor.

Educational Policy Studies

EDPS 104 3 hrs.
Race, Place, and Schooling: African Americans and Education
 Examination of the social, political, cultural, and economic factors shaping African American's educational experiences in the United States historically and currently. **Same as AAST 104. Individual and Society, and U.S. Society course.**

EDPS 361 3 hrs.
Education in Urban Context
 Cross-disciplinary, critical analysis of relationships between public schools and their urban contexts, with attention to implications for teaching and learning.

Prerequisite(s): Senior standing or above and admission to the Bachelor of Arts in Elementary Education program.

EDPS 412 3 OR 4 hrs.
Politics of Urban Education
 Relations between school governance and politics. The role of educational interest groups, school boards, professional educators, and citizens in formulation and execution of educational policy. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Consent of the instructor.

EDPS 449 3 hrs.
Early Childhood/Early Childhood Special Ed: Perspectives, Policies, and History
 Perspectives, policies, history, and foundations of early childhood education and early childhood special education. Emphasis on the effects of changing economic, political, legal, social, and views of human development. **Same as EPSY 449 and SPED 449.**

EDPS 453 3 OR 4 hrs.
Topics in Educational Policy Studies
 Topics are announced at the time the class is scheduled. 3 undergraduate hrs. 4 graduate hrs. May be repeated to a maximum of 12 hrs.

Educational Psychology

EPSY 255 3 hrs.
Child Development and Elementary Education
 Assists future teachers in understanding children's academic competence, self-determination, and affiliation needs and learning to help children meet their needs. **Prerequisite(s):** Open only to Pre-Elementary Education standing.

EPSY 360 2 hrs.
Learning, Cognition, and Student Assessment
 Research and theory on learning and cognition applied to teaching and assessment of students of diverse cultural backgrounds. **Prerequisite(s):** Senior standing or above and admission to the Bachelor of Arts in Elementary Education program. Successful completion of EPSY 255.

EPSY 396 1–4 hrs.
Independent Study
 Students carry out independent study under the direction of educational psychology faculty member. **Prerequisite(s):** Sophomore standing or above; and consent of the instructor.

EPSY 415 3 hrs.
Urban Youth Fieldwork
Experience in planning, teaching in, and evaluating innovative physical activity-based urban youth programs. Accompanying seminar to examine related literature and explore the interface between theory and practice. May be repeated to a maximum of 6 hrs. Previously listed as CIE 415. Fieldwork required. **Prerequisite(s):** Junior standing or above; and consent of the instructor. Requires interview and placement.

EPSY 420 3 OR 4 hrs.
Social Development of Urban Children
General principles of social development and socialization during childhood and the factors common to urban children that illustrate and modify these principles. **Same as** PSCH 420. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Admission to a graduate program in Education or Psychology; or consent of the instructor.

EPSY 429 3 OR 4 hrs.
Constructivist Approaches to Development: Piaget and Vygotsky
Piaget's and Vygotsky's theories of development of knowledge. Empirical and logico-mathematical forms of knowledge. Thought and action. Thought and language. **Same as** PSCH 429. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ED 422 or PSCH 422 or the equivalent and graduate standing in Education or graduate standing in Psychology or consent of the instructor.

EPSY 446 3 hrs.
Characteristics of Early Adolescence
Physiological, social, emotional, and cognitive development of early adolescence. The relationship between these developmental characteristics and success in the middle grades. **Same as** PSCH 423. **Prerequisite(s):** ED 210 or ED 421 or ED 422 or PSCH 422 or the equivalent, and approval of the College of Education; or admission to the PhD in Psychology program; or consent of the instructor.

EPSY 447 3 hrs.
Adolescence in Urban Contexts
Overview of physiological, social, and cognitive development and how the urban context shapes development. The course utilizes an assets-based approach that challenges stereotypes and normative assumptions regarding the adolescents in urban contexts. **Prerequisite(s):** Introductory course work in psychology, child development, and social development; or admission to the MED or doctoral program in Educational Psychology.

EPSY 449 3 hrs.
Early Childhood/Early Childhood Special Education: Perspectives, Policies and History
Perspectives, policies, history, and foundations of Early Childhood Education and Early Childhood Special Education. Emphasis on the effects of changing economic, political, legal, social, and views of human development. **Same as** SPED 449 and EDPS 449.

EPSY 465 3 hrs.
Cognitive Development and Disabilities
Theory and research on cognitive development in children with disabilities from infancy through adolescence, in the context of typical development. Models for cognitive assessment and intervention. **Same as** SPED 465. Fieldwork required. **Prerequisite(s):** SPED 461 or ED 461 or the equivalent or consent of the instructor.

EPSY 466 3 hrs.
Language Development, Diversity, and Disabilities
Theory and research on language development in children with disabilities, in the context of typical development. Models for language assessment and intervention. **Same as** SPED 466. Fieldwork required. **Prerequisite(s):** SPED 461 or ED 461 or the equivalent or consent of the instructor.

EPSY 467 3 hrs.
Social and Emotional Development and Disabilities
Exploration of the risk factors and different theoretical approaches associated with the social and emotional development of youth ages 5–21 with and without disabilities. **Same as** SPED 467. Fieldwork required. **Prerequisite(s):** SPED 461 or ED 461 or the equivalent or consent of the instructor.

EPSY 494 1–4 hrs.
Topics in Educational Psychology
Seminar on a preannounced topic focusing on methodology, research, and educational implications of recent models of learning, problem solving, and thinking. May be repeated to a maximum of 12 hrs. **Prerequisite(s):** Consent of the instructor.

EPSY 496 1–4 hrs.
Independent Study
Students carry out independent study under the direction of educational psychology faculty member. **Prerequisite(s):** Junior standing or above; and consent of the instructor.

Electrical and Computer Engineering

ECE 100 3 hrs.
The Digital Information Age
A-to-D conversion; logic; models; coding; transmission; processing; applications (such as CD player, digital speech and images, bar-code reader, credit card, fax, modem, cellular telephone, Internet). No graduation credit for students in the following: BS in Electrical Engineering. Previously listed as EECS 100. **Prerequisite(s):** MATH 090 or the equivalent.

ECE 115 4 hrs.
Introduction to Electrical and Computer Engineering
Concepts and applications of electrical and computer engineering including: basic circuits, fundamental electromagnetics, electronic devices, sensors, control, digital logic, computer organization, programming. Extensive computer use required. Will use PSPICE, MATLAB, C programming. **Prerequisite(s):** Credit or concurrent registration in MATH 180.

ECE 210 3 hrs.
Electrical Circuit Analysis
Linear circuit analysis: networks, network theorems, dependent sources, operational amplifiers, energy storage elements, transient analysis, sinusoidal analysis, frequency response, filters. Laboratory. Credit is not given for ECE 210 if the student has credit for ECE 225. Previously listed as EECS 210. **Prerequisite(s):** PHYS 142 and credit or concurrent registration in MATH 220.

ECE 225 4 hrs.
Circuit Analysis
Electric circuit elements; Ohm's Law; Kirchhoff's laws; transient and steady-state analysis of circuits; Laplace transform methods; network theorems. Laboratory. Credit is not given for ECE 225 if the student has credit for ECE 210. Previously listed as EECS 210. **Prerequisite(s):** MATH 220; and grade of C or better in PHYS 142; and grade of C or better in ECE 115.

ECE 265 4 hrs.
Introduction to Logic Design
Number systems; binary arithmetic; Boolean/logic functions; Boolean algebra; logic gates, their CMOS design; function minimization, analysis, and synthesis of combinational and sequential circuits. Credit is not given for ECE 265 if the student has credit for CS 266 or CS 366. Previously listed as EECS 265. Laboratory. **Prerequisite(s):** MATH 180 and grade of C or better in ECE 115.

ECE 267 3 hrs.
Computer Organization I
Introduction to computer organization and assembly language programming. Memory, CPU, and I/O organization. Programming techniques and tools. Credit is not given for

ECE 267 if the student has credit for CS 266 or CS 366. Previously listed as EECS 365.

Prerequisite(s): CS 102 or CS 107 or CS 108.

ECE 310 3 hrs.
Discrete and Continuous Signals and Systems
Signals; systems; convolution; discrete and continuous Fourier series and transforms; Z-transforms; Laplace transforms; sampling; frequency response; applications; computer simulations. Previously listed as EECS 310. **Prerequisite(s):** MATH 220 and credit or concurrent registration in ECE 225; or credit or concurrent registration in ECE 210 for non-ECE students.

ECE 311 4 hrs.
Communication Engineering
Continuous-time signals and spectra; amplitude and angle modulation, sampling and quantization theory; digital pulse modulation, error probability, commercial broadcasting practices. Previously listed as EECS 311. **Prerequisite(s):** Grade of C or better in ECE 310.

ECE 317 4 hrs.
Digital Signal Processing I
Sampling theorem; discrete signals and systems; discrete time Fourier transform; DFT; FFT; IIR and FIR digital filter design; stability; DSP applications. Laboratory. Previously listed as EECS 417. **Prerequisite(s):** Grade of C or better in ECE 310.

ECE 322 3 hrs.
Communication Electromagnetics
Plane waves in various media. Polarization and Stoke's parameters. Scalar and vector potentials. Guided wave propagation. Radiation. Linear antennas and antenna parameters. Linear arrays. Credit is not given for this course if the student has credit for EECS 322. Previously listed as EECS 322. **Prerequisite(s):** Grade of C or better in ECE 225.

ECE 333 4 hrs.
Computer Communication Networks I
Overview of networks, physical layer, data link protocols, multiple access, local area networks, network layer, Internet, ATM, routing, congestion control, IP protocol, transport layer. Laboratory. Credit is not given for ECE 333 if the student has credit for CS 450. Previously listed as ECE 433. **Prerequisite(s):** ECE 341 and CS 107.

ECE 340 4 hrs.
Electronics I
Operational amplifiers. Semiconductor junctions. Bipolar and field-effect transistors. Simple transistor amplifier and switching applications. Introduction to digital logic circuits. Laboratory experience. Previously listed as EECS 340. **Prerequisite(s):** Grade of C or better in ECE 225.

ECE 341 3 hrs.**Probability and Random Processes for Engineers**

Probability, random variables, discrete and continuous distributions, transformation of random variables, expectation, generating functions, statistical inference, hypothesis testing, estimation, random processes, stationarity, applications. Credit is not given for ECE 341 if the student has credit for IE 342. **Prerequisite(s):** ECE 310.

ECE 342 4 hrs.**Electronics II**

Differential amplifiers. Feedback amplifiers. Frequency response, stability, and compensation of amplifiers. Circuit implementation of logic gates in various logic families. Bistable and memory circuits. Laboratory. Previously listed as EECS 342.

Prerequisite(s): ECE 340.

ECE 346 4 hrs.**Solid-State Device Theory**

Introduction to semiconductors, energy bands, electron and hole transport mechanisms in semiconductor devices, recombination and generation, P-N Junctions. Introduction to metal-oxide-semiconductor field effect transistors. Practical laboratory. Previously listed as EECS 346.

Prerequisite(s): MATH 220 and a grade of C or better in ECE 115 and a grade of C or better in PHYS 142.

ECE 347 3 hrs.**Integrated Circuit Engineering**

Introduction to processing technology of integrated circuits: thin film deposition, doping, oxidation, epitaxy, and lithography. Design, layout, assembly, testing, and yield. Design project. Previously listed as EECS 347.

Prerequisite(s): CHEM 112 and a grade of C or better in ECE 225.

ECE 350 4 hrs.**Principles of Automatic Control**

Transfer function; block diagrams; flow graphs; state space canonic forms; stability analysis; steady state and transient analysis; feedback control; continuous to discrete conversion; digital control. Previously listed as EECS 450. **Prerequisite(s):** Grade of C or better in ECE 310.

ECE 366 4 hrs.**Computer Organization II**

Circuit technology, clocking, datapath design, controller design including timing chains and microprogramming, memory systems design in caches, virtual memory, multiple memory modules, I/O design including disk, serial and network communications. Credit is not given for ECE 366 if the student has credit for CS 266 or CS 366. Previously listed as EECS 366. Laboratory. **Prerequisite(s):** ECE 267 and a grade of C or better in ECE 265. To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 367 4 hrs.**Microprocessor-Based Design**

Microprocessor architecture; microprogrammed machines; programmer's model; control signals and timing; system buses; parallel and serial interfacing; interrupt processing; I/O devices; memory devices; direct memory access; assembly language. Laboratory. Previously listed as EECS 367. **Prerequisite(s):** ECE 267; and a grade of C or better in ECE 265 or a grade of C or better in CS 366.

ECE 368 4 hrs.**CAD-Based Digital Design**

CAD tools and VHDL programming for combinational and sequential circuit design. FPGA implementation of complex circuits, design project using CAD tools, FPGA implementations. Laboratory. Credit is not given for ECE 368 if the student has credit for CS 469.

Prerequisite(s): ECE 366.

ECE 392 2-4 hrs.**Undergraduate Research**

Research under close supervision of a faculty member. Satisfactory/Unsatisfactory grading only. Previously listed as EECS 392. **Prerequisite(s):** Consent of the instructor.

ECE 396 2 hrs.**Senior Design I**

Introduction to the principles and practice of product design: specifications, evaluation of design alternatives, technical reports, and oral presentations. Independent design projects. Previously listed as EECS 396. **Prerequisite(s):** ENGL 161. Open only to seniors.

ECE 397 2 hrs.**Senior Design II**

Application of engineering principles and optimization to the solution of the design problem initiated in Electrical and Computer Engineering 396. Implementation and testing of the design. Previously listed as EECS 397. **Prerequisite(s):** ECE 396.

ECE 400 3 OR 4 hrs.**Introduction to Microelectromechanical Systems**

Definition, classification, and case studies of transducers, sensors, and actuators. Microfabrication methods for microelectromechanical systems (MEMS). Design, simulation, and modeling of MEMS. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 400. **Prerequisite(s):** ECE 346.

ECE 401 3 OR 4 hrs.**Quasi-Static Electric and Magnetic Fields**

Static electric and magnetic fields. Material description, boundary value problems. Field energy, its conversion, and scaling laws. Quasi-static fields, field diffusion, eddy currents, energy losses. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 401. **Prerequisite(s):** ECE 322.

ECE 407 3 OR 4 hrs.**Pattern Recognition I**

The design of automated systems for detection, recognition, classification, and diagnosis. Parametric and nonparametric decision-making techniques. Applications in computerized medical and industrial image and waveform analysis. **Same as** BIOE 407. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** MATH 220.

ECE 410 3 OR 4 hrs.**Network Analysis**

Matrix algebra for network analysis, network parameters, macro-modeling, high-frequency measurements, network functions, and theorems. Topics in computer-aided analysis. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 410. **Prerequisite(s):** Grade of C or better in ECE 310.

ECE 412 3 OR 4 hrs.**Introduction to Filter Synthesis**

Fundamentals of network synthesis, filter approximations, and frequency transformations. Active filter synthesis using bilinear and biquad circuits. Topics in computer-aided design. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 412. **Prerequisite(s):** Grade of C or better in ECE 310.

ECE 415 3 OR 4 hrs.**Image Analysis and Computer Vision I**

Image formation, geometry, and stereo. Two-dimensional image analysis by Fourier and other 2-D transforms. Image enhancement, color, image segmentation, compression, feature extraction, object recognition. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 415.

Prerequisite(s): MATH 310 or a grade of C or better in ECE 310.

ECE 417 0-5 hrs.**Digital Signal Processing II**

Computer-aided design of digital filters; quantization and round-off effects; FFT algorithms; number-theoretic algorithms; multirate signal processing; DSP architectures and programming. 4 undergraduate hrs. 5 graduate hrs. **Prerequisite(s):** ECE 317.

ECE 418 3 OR 4 hrs.**Statistical Digital Signal Processing**

Stochastic signal models, LMS identification, identification of signals from noise, Wiener filtering, blind separation of mixed signal, discrete Wavelet Transforms, compression and denoising, cepstral analysis. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 418. **Prerequisite(s):** ECE 317 and ECE 341.

ECE 421 3 OR 4 hrs.**Introduction to Antennas and Wireless Propagation**

Potential, antenna parameters, radiation from linear wires and loops, impedance, arrays, communication links and path loss, tropospheric propagation, fading

and diversity. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 421.

Prerequisite(s): ECE 225 and ECE 322.

ECE 423 3 OR 4 hrs.**Electromagnetic Compatibility**

EMC requirements for electronic systems. Nonideal behavior of components. Radiated and conducted emissions. Susceptibility. Coupling and shielding. Electrostatic discharge. System design for EMS. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 423.

Prerequisite(s): ECE 320 and ECE 322.

ECE 424 0-5 hrs.**RF and Microwave-Guided Propagation**

Maxwell's equations, transmission lines, Smith chart, strip lines, rectangular and circular waveguides, TE and TM waves, wave impedance, resonators, two-port parameters, power and energy considerations. 4 undergraduate hrs. 5 graduate hrs.

Prerequisite(s): ECE 225 and ECE 322.

ECE 427 3 OR 4 hrs.**Modern Linear Optics**

Geometrical optics, wave optics, two-dimensional Fourier analysis, scalar diffraction theory, Fourier transforming properties of lenses, coherent and incoherent images, holography, electromagnetic optics, polarization and crystal optics, resonators. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 427.

Prerequisite(s): ECE 310 and ECE 322.

ECE 431 0-5 hrs.**Analog Communication Circuits**

Introduction to radio frequency circuit design: narrowband transistor amplifiers, impedance matching networks, oscillators, mixers, amplitude and frequency modulation/demodulation, phase-lock loop circuits, amplifier noise and stability analysis. Laboratory. 4 undergraduate hrs. 5 graduate hrs. Previously listed as EECS 431. **Prerequisite(s):** ECE 311 and ECE 340.

ECE 432 3 OR 4 hrs.**Digital Communications**

Source coding, quantization, signal representation, channel noise, optimum signal reception, digital modulation: ASK, PSK, FSK, MSK, M-ary modulation. Probability of error. Inter-symbol interference. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 432. **Prerequisite(s):** ECE 311 and ECE 341.

ECE 434 3 OR 4 hrs.**Multimedia Systems**

Multimedia systems; compression standards; asynchronous transfer mode; Internet; wireless networks; television; videoconferencing; telephony; applications. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. **Prerequisite(s):** ECE 333.

ECE 435 3 OR 4 hrs.
Wireless Communication Networks

Radio technology fundamentals; channel and propagation models; channel multiple access technologies; wireless mobile communication fundamentals; generic wireless mobile network; cellular/PCS wireless mobile network standards. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 435. **Prerequisite(s):** ECE 432 and ECE 333.

ECE 436 3 OR 4 hrs.
Computer Communication Networks II

Explores integrated network architecture of service, control signaling and management, examples of high-speed LAN/WAN, next generation Internet and mobile wireless network. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. **Prerequisite(s):** ECE 333.

ECE 437 3 OR 4 hrs.
Wireless Communications

Cellular concept, frequency reuse, mobile radio propagation, channel fading, noise in analog communications, mobile radio channel equalization, multiple access techniques (FDMA, TDMA, CDMA), wireless networking. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ECE 311 and ECE 341.

ECE 442 0-5 hrs.
Power Semiconductor Devices and Integrated Circuits

Covers the physics of devices encountered in the power-electronic and switching converter systems. 4 undergraduate hrs. 5 graduate hrs. Credit is not given for ECE 442 if the student has credit for EECS 442. Previously listed as EECS 442. ECE 442 is a supplement for ECE 445 and ECE 545. **Prerequisite(s):** ECE 342 and ECE 346.

ECE 445 0-5 hrs.
Analysis and Design of Power Electronic Circuits

Analysis of different isolated and nonisolated power-converter topologies, understanding of power-converter components, switching schemes. 4 undergraduate hrs. 5 graduate hrs. Previously listed as EECS 445. **Prerequisite(s):** ECE 342 and a grade of C or better in ECE 310.

ECE 448 3 OR 4 hrs.
Transistors

Bipolar junction transistors, electronic processes in surface-controlled semiconductor and dielectric devices. Metal oxide semiconductor field effect transistors, surface and interface effects, diode lasers, integrated optoelectronic devices. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 448. **Prerequisite(s):** ECE 346.

ECE 449 0-5 hrs.
Microdevices and Micromachining Technology
Microfabrication techniques for microsensors, microstructures,

and microdevices. Selected examples of physical/chemical sensors and actuators. Simulation experiments. Laboratory. **Same as** ME 449. 4 undergraduate hrs. 5 graduate hrs. Previously listed as EECS 449. **Prerequisite(s):** ECE 347.

ECE 451 3 OR 4 hrs.
Control Engineering

State-space representation of systems; realization theory; stability; performance; modern control design techniques, including: fuzzy, learning, adaptive, and nonlinear control. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 451. **Prerequisite(s):** ECE 350.

ECE 452 3 OR 4 hrs.
Robotics: Algorithms and Control

Kinematic and dynamic modeling of robots; configuration space; motion planning algorithms; control of robots; sensors and perception; reasoning; mobile robots. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** CS 201; and a grade of C or better in ECE 210 or a grade of C or better in ECE 225.

ECE 458 0-4 hrs.
Electromechanical Energy Conversion

Electromagnetic forces and torque; magnetic circuits and transformers; DC machines; three-phase AC synchronous and induction machines; laboratory-demonstrations. Projects are required. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 458. **Prerequisite(s):** Grade of C or better in ECE 225.

ECE 465 3 OR 4 hrs.
Digital Systems Design

Switching algebra, combinational circuits, Mux, ROM, DCD, PLA-based designs, advanced combinational circuit minimization techniques, synchronous and asynchronous sequential circuit synthesis (minimization, hazards, races, state assignment) testing. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 465. **Prerequisite(s):** Grade of C or better in PHYS 142; and a grade of C or better in ECE 265 or a grade of C or better in CS 366.

ECE 466 3 OR 4 hrs.
Advanced Computer Architecture

Design and analysis of high performance uniprocessors. Topics include arithmetic: multiplication, division, shifting; processor: pipelining, multiple function units. Instruction sets; memory: caches, modules; virtual machines. **Same as** CS 466. 3 undergraduate hrs. 4 graduate hrs. Previously listed as EECS 466. **Prerequisite(s):** ECE 366 or CS 366.

ECE 467 0-5 hrs.
Introduction to VLSI Design
MOS, CMOS circuits, VLSI technology, CMOS circuit characterization and evaluation. Static and dynamic MOS circuits, sys-

tem design, faults, testing, and symbolic layout. Laboratory. 4 undergraduate hrs. 5 graduate hrs. Previously listed as EECS 467. **Prerequisite(s):** ECE 340.

ECE 468 0-5 hrs.
Analog and Mixed-Signal VLSI Design

Elementary transistor stages and analog components; low-power design; comparison of bipolar, CMOS, and BiCMOS; s-parameters and high-frequency ASIC design and modeling; RF wireless communication system components; behavioral modeling. 4 undergraduate hrs. 5 graduate hrs. Previously listed as EECS 468. **Prerequisite(s):** ECE 467.

ECE 469 3 OR 4 hrs.
Computer Systems Design

Analysis and modeling of digital systems; hardware description languages; CAD tools for simulation, synthesis, and verification of computer systems. Project: a simple processor design. 3 undergraduate hrs. 4 graduate hrs. **Same as** CS 469. Previously listed as EECS 469. **Prerequisite(s):** CS 366; or ECE 366 and ECE 368.

ECE 491 1-4 hrs.
Seminar

Topics of mutual interest to a faculty member and a group of students. Offered as announced by department bulletin or the *Schedule of Classes*. May be repeated. Previously listed as EECS 491. **Prerequisite(s):** Consent of the instructor.

ECE 493 2-4 hrs.
Special Problems

Special problems or reading by special arrangement with the faculty. No graduation credit for students in the following: MS in Electrical and Computer Engineering or PhD in Electrical and Computer Engineering. Previously listed as EECS 493. **Prerequisite(s):** Consent of the instructor.

Engineering**ENGR 100 1 hrs.**
Engineering Orientation

A general orientation course on careers in the engineering profession. Discussion of college advising procedures. Required of all engineering students. Satisfactory/Unsatisfactory grading only. No graduation credit. Should be taken in the first semester after acceptance into the College of Engineering. **Prerequisite(s):** Admission to the College of Engineering.

ENGR 189 1 hrs.
Minority Engineering Freshman and Transfer Student Orientation

Orientation for undergraduate minority engineering students; seminars, lectures and workshops by faculty, upperclass students, administration, and industry representatives on topics relevant to ethnic minority groups. Satisfactory/Unsatisfactory grading only. No graduation credit.

Should be taken in the first semester after acceptance into the College of Engineering. **Prerequisite(s):** Admission to the College of Engineering.

ENGR 289 0 hrs.
Cooperative Engineering Practice

Off-campus participation in a governmental or industrial training program. Satisfactory/Unsatisfactory grading only. May be repeated. **Prerequisite(s):** Enrollment in the Cooperative Engineering Program.

ENGR 400 3 OR 4 hrs.
Engineering Law

Overview of the legal system. Legal principles affecting the engineering profession. Professional ethics in engineering. Intellectual property law. Basic contract and tort principles. Environmental law. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Senior standing or above.

ENGR 401 3 OR 4 hrs.
Engineering Management

Theory, strategy, and tactics of the use of project management, including project planning, matrix management concept, and team meetings. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. This is an online Web-based course. **Prerequisite(s):** Senior standing or above.

ENGR 402 3 OR 4 hrs.
Intellectual Property Law

Patent, copyright, trade secret, mask work, and cyber-squatting legal and procedural principles; protection for novel software, biotech inventions, and business methods; and trademark protection for domain names. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. This is an online Web-based course. **Prerequisite(s):** Senior standing or above.

ENGR 403 3 OR 4 hrs.
Reliability Engineering

Probability overview; statistics overview; system reliability modeling and prediction-static methods; system reliability modeling and prediction-dynamic methods; maintainability and availability; reliability optimization; and risk analysis. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. This is an online Web-based course. **Prerequisite(s):** Senior standing or above.

ENGR 404 3 hrs.
Entrepreneurship

Identify new business opportunities in technology, market value assessment, competition, business plan, funding acquisition, intellectual property protection, and case studies. **Prerequisite(s):** Open only to seniors; and consent of the instructor.

ENGR 420 1 hr.
Engineering for Success
Interactive seminars will be given by persons with engineering degrees having shown high achievement in either engineering or nonengineering endeavors. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** Junior standing or above.

ENGR 494 3 OR 4 hrs.
Special Topics in Engineering
Course on multidisciplinary engineering topics that vary from term to term depending on current student and instructor interests. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** Junior standing or above; and consent of the instructor.

English

ENGL 070 3 hrs.
Introduction to Academic Writing for the Nonnative Speakers of English
This preparatory class for nonnative speakers for English emphasizes the second-language challenges for writing presented by syntax (structure), semantics (meaning), and pragmatics (use). Satisfactory/Unsatisfactory grading only. May be repeated up to 1 time(s). No graduation credit. Previously listed as ENGL 150. Based on final course assessment, the English department may recommend a waiver of ENGL 160. Students who receive this waiver earn three hours of proficiency credit for ENGL 160 and placement into ENGL 161. **Prerequisite(s):** ESL 060 or eligibility as determined by performance on the department placement test.

ENGL 071 3 hrs.
Introduction to Academic Writing
This preparatory course emphasizes academic reading and writing with a focus on argument, sentence-level grammar, and rhetorical effectiveness. Satisfactory/Unsatisfactory grading only. May be repeated up to 1 time(s). No graduation credit. Previously listed as ENGL 152. Based on final course assessment, the English department may recommend a waiver of ENGL 160. Students who receive this waiver earn three hours of proficiency credit for ENGL 160 and placement into ENGL 161. **Prerequisite(s):** Eligibility determined by performance on the department placement test.

ENGL 101 3 hrs.
Understanding Literature
Reading and analysis of texts from a variety of literary forms and periods. Special attention to methods for determining literary meaning. *Creative Arts course.*

ENGL 102 3 hrs.
Introduction to Film
Representative selections from a variety of periods and forms. Development of analytical skills in the reading of film. **Same as** MOV1 102. *Creative Arts course.*

ENGL 103 3 hrs.
English and American Poetry
Reading and analysis of a representative selection from a variety of periods and forms in poetry. *Creative Arts course.*

ENGL 104 3 hrs.
English and American Drama
Reading and analysis of representative selections from a variety of periods and forms in drama. *Creative Arts course.*

ENGL 105 3 hrs.
English and American Fiction
Reading and analysis of representative selections from a variety of periods and forms in fiction. *Creative Arts course.*

ENGL 106 3 hrs.
English and American Prose
Reading and analysis of representative selections from a variety of periods and forms of nonfiction prose. *Creative Arts course.*

ENGL 107 3 hrs.
Introduction to Shakespeare
Introductory survey of Shakespeare's major plays and poems. *Creative Arts, and Past course.*

ENGL 108 3 hrs.
British Literature and British Culture
Analysis of novels, plays, and poems from 1800 to the present that reflect the distinctive characteristics of British culture. *Creative Arts course.*

ENGL 109 3 hrs.
American Literature and American Culture
Analysis of interconnections between American literature and American culture. Content varies. May not be repeated for credit. *Creative Arts, and U.S. Society course.*

ENGL 110 3 hrs.
English and American Popular Genres
Introduction to the textual analysis of pulp literature, film, television, advertising, and other popular discourses. *Creative Arts, and Individual and Society course.*

ENGL 111 3 hrs.
Women and Literature
Introduction to reading English and American literature with a focus on gender, genre, and women's roles. **Same as** GWS 111. *Creative Arts, and Individual and Society course.*

ENGL 112 3 hrs.
Introduction to Native American Literatures
An introduction to the oral and written literatures of American Indians. **Same as** NAST 112. *Creative Arts, and U.S. Society course.*

ENGL 113 3 hrs.
Introduction to Multiethnic Literatures in the United States
An introduction to the literatures of racial and ethnic groups in the United States. *Creative Arts, and U.S. Society course.*

ENGL 114 3 hrs.
Introduction to Colonial and Postcolonial Literature
An introduction to the literature in English most directly representative of the historical processes of colonialism and decolonization that have shaped the modern world. *Creative Arts, and World Cultures course.*

ENGL 115 3 hrs.
Understanding the Bible as Literature
A broad overview of various literary genres in the Bible, such as origin narrative, historical narrative, poetry, wisdom literature, prophetic/apocalyptic literature, parable, and epistle. **Same as** JST 115 and RELS 115. *Creative Arts, Past, and World Cultures course.*

ENGL 116 3 hrs.
Jewish American Literature of the 20th Century
Introduction to ways of analyzing literature within the specific thematic and cultural lens of Judaism, focusing on major works of literature in a variety of genres throughout the twentieth century. **Same as** JST 116.

ENGL 117 3 hrs.
Introduction to Gender, Sexuality, and Literature
Introduction to literary texts in Western and other traditions that explore issues of gender and sexuality. **Same as** GWS 117. *Creative Arts, and Individual and Society course.*

ENGL 118 3 hrs.
Introduction to African American Literature, 1760–1910
Comprehensive survey, 1760–1910, from earliest folk roots to formal literary tradition. **Same as** AAST 110. *Creative Arts, and Individual and Society course.*

ENGL 119 3 hrs.
Introduction to African American Literature since 1910
Comprehensive survey of African American literature from 1910 to the present. **Same as** AAST 111. *Creative Arts, and U.S. Society course.*

ENGL 120 3 hrs.
Film and Culture
Analysis of representative works that reflect the relationship between cinema and its cultural context. *Creative Arts, and Individual and Society course.*

ENGL 121 3 hrs.
Introduction to Moving Image Arts
Examination and interpretation of moving image texts, such as film, television, and new digital media. *Creative Arts course.*

ENGL 122 3 hrs.
Understanding Rhetoric
An introductory examination of rhetoric as an intellectual force shaping discourse in both academic and public domains. *Creative Arts, and Individual and Society course.*

ENGL 123 3 hrs.
Introduction to Asian American Literature
Introductory survey of a wide range of Asian American cultural forms in their sociohistorical contexts. **Same as** ASAM 123. *Creative Arts, and U.S. Society course.*

ENGL 125 3 hrs.
Introduction to Asian American Studies
Overview of Asian American experiences and perspectives in sociohistorical context. Introduction to major concepts, issues, and debates in the field of Asian American Studies. **Same as** ASAM 125 and SOC 125. *Individual and Society, and U.S. Society course.*

ENGL 160 3 hrs.
Academic Writing I: Writing in Academic and Public Contexts
Students write in a variety of genres with an emphasis on argument and sentence-level grammar. Topics vary by section. **Prerequisite(s):** Eligibility as determined by performance on the department placement test.

ENGL 161 3 hrs.
Academic Writing II: Writing for Inquiry and Research
Students learn about academic inquiry and complete several writing projects including a documented research paper. Topics vary by section. **Prerequisite(s):** ENGL 160 or the equivalent. All students take the Writing Placement Test. If students place into ESL 050, ESL 060, ENGL 070, ENGL 071 or ENGL 160, the student must take that course (or courses) prior to enrolling in ENGL 161. Students with an ACT English subscore of 27 or higher receive a waiver of ENGL 160 and permission to enroll in ENGL 161.

ENGL 170 3 hrs.
Freshman Colloquium I
Reading and analysis of major texts in the Western intellectual tradition. Extensive practice in expository writing. Grade of C or better in ENGL 170 permits waiver of ENGL 160. **Prerequisite(s):** ACT English subscore of 27 and approval of the Honors College. *Creative Arts course.*

ENGL 171 3 hrs.
Freshman Colloquium II
 Reading and analysis of major texts in the Western intellectual tradition from a variety of cultures and historical periods. Extensive practice in argumentative and research writing. Grade of C or better in ENGL 171 permits waiver of ENGL 161.
Prerequisite(s): ENGL 170 or an English ACT subscore of 29.
Creative Arts course.

ENGL 194 3 hrs.
Topics in Literature and Culture
 Reading and analysis of literature and other cultural works from a variety of periods and genres. May be repeated.

ENGL 198 1–3 hrs.
Field Research in Writing and Rhetoric
 Students apply the academic features of reading and writing texts to contexts outside the classroom through the design and execution of field-based research projects. Fieldwork required. May be repeated to a maximum of 8 hrs.
Prerequisite(s): Consent of the instructor and admission to the Chicago Civic Leadership Certificate Program (CCLCP).
Corequisite(s): Students must enroll concurrently in one of four required CCLCP courses, taken during the freshman and sophomore years. Contact program advisor for additional details.

ENGL 200 3 hrs.
Basic English Grammar
 Students will be introduced to the basic grammatical structures and semantics of English. The focus will be on the interrelationship of syntax and semantics, showing how small changes in structure can affect the meaning of sentences.

ENGL 201 3 hrs.
Introduction to the Writing of Nonfiction Prose
 Basic techniques for writing essays, articles, reviews, and other forms of nonfiction.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 202 3 hrs.
Media and Professional Writing
 Analysis of and practice in media writing, including news, feature, and opinion writing.
Prerequisite(s): ENGL 240 or the equivalent.

ENGL 210 3 hrs.
Introduction to the Writing of Poetry
 Practice in writing poetry, beginning with exercises and published models, with increasing emphasis on the students' poetry in class. Workshop format.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 212 3 hrs.
Introduction to the Writing of Fiction
 Practice in the writing of fiction; emphasis on analysis of student work and published examples.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 222 3 hrs.
Tutoring in the Writing Center
 Students learn principles of effective writing by tutoring other students under the supervision of the Writing Center staff. Emphasis on theories of writing. May be repeated to a maximum of 9 hrs.
Prerequisite(s): Grade of A or B in ENGL 070 or ENGL 160, and ENGL 161 (University Writing requirement) and consent of the Writing Center director.

ENGL 232 3 hrs.
History of Film I: 1890 to World War II
 History of film from its beginnings in the 1890s up to World War II. **Same as** AH 232 and MOVI 232.

ENGL 233 3 hrs.
History of Film II: World War II to the Present
 History of film from World War II to contemporary movements in world cinema. **Same as** AH 233 and MOVI 233.

ENGL 234 3 hrs.
History of Television
 A critical history of television. **Same as** COMM 234 and MOVI 234. One additional hour each week for required screenings.

ENGL 240 3 hrs.
Introduction to Literary Study and Critical Methods
 Introduction on how to read and write critically about literature and other cultural productions, includes methods of literary and cultural theory and criticism, issues of form and interpretation, rhetorical analysis.
Prerequisite(s): Completion of the University Writing requirement or concurrent registration in ENGL 161 or 171.
Recommended background: 3 hours from ENGL 101–123.

ENGL 241 3 hrs.
English Literature I: Beginnings to 1660
 A survey of significant works of English literature, beginnings to 1660, their historical, cultural, and aesthetic dimensions, from a number of critical perspectives.
Prerequisite(s): Completion of the University Writing requirement or concurrent registration in ENGL 161 or ENGL 171.
Recommended background: 3 hours of English from ENGL 101–123.

ENGL 242 3 hrs.
English Literature II: 1660 to 1900
 A survey of significant works of English Literature, 1660–1900,

their historical, cultural, and aesthetic dimensions, from a number of critical perspectives.
Prerequisite(s): Completion of the University Writing requirement or concurrent registration in ENGL 161 or ENGL 171.
Recommended background: 3 hours of English from ENGL 101–123.

ENGL 243 3 hrs.
American Literature: Beginnings to 1900
 A survey of significant works of American literature, beginnings to 1900, their cultural, historical, and aesthetic dimensions, from a number of critical perspectives.
Prerequisite(s): Completion of the University Writing requirement or concurrent registration in ENGL 161 or ENGL 171.
Recommended background: 3 hours of English from English 101–123.

ENGL 260 3 hrs.
Comparative Black Literatures
 The study and analysis of selected works of literature and criticism in the context of the African diaspora. **Same as** AAST 250.
Creative Arts, and U.S. Society course.

ENGL 261 3 hrs.
Reading Black Women Writing
 Examines inscriptions of race, gender, class, and sexuality as they shape the literary and critical practices of nineteenth- and twentieth-century black women writers. **Same as** AAST 261 and GWS 261. Previously listed as ENGL 480.
Prerequisite(s): Grade of C or better in AAST 100 or grade of C or better in AAST 110 or grade of C or better in AAST 111 or grade of C or better in ENGL 118 or grade of C or better in ENGL 119 or grade of C or better in ENGL 240; or consent of the instructor.

ENGL 262 3 hrs.
Black Cultural Studies
 Introduction to approaches, methods, and key debates in the study of black culture in a transnational and diasporic context. **Same as** AAST 262.
Prerequisite(s): AAST 100.
Creative Arts, and U.S. Society course.

ENGL 265 3 hrs.
The Harlem Renaissance
 The intellectual, cultural, and artistic expressions among African Americans from 1912 to 1933, with an emphasis on the literary texts and social history. **Same as** AAST 265. Previously listed as ENGL 350.
Prerequisite(s): Grade of C or better in AAST 100; and grade of C or better in AAST 110 or grade of C or better in AAST 111; or grade of C or better in ENGL 240 and grade of C or better in ENGL 243; or consent of the instructor. *Past, and U.S. Society course.*

ENGL 266 3 hrs.
Topics in African Literature
 The study and analysis of selected works of African literature, history, and criticism. **Same as** AAST 266. May be repeated.
Creative Arts, and World Cultures course.

ENGL 295 3 hrs.
Latino Literary Studies
 Major trends, genres, works, themes, and writers related to Latino history and culture, mainstream and minority U.S., Latin American and third world literatures. **Same as** LALS 295 and SPAN 295. *U.S. Society course.*

ENGL 297 3 hrs.
Studies in the Classical Tradition
 Examination of selected texts of ancient Greek and Roman literature, such as the novel, drama, and epic, and how they inform English and American literature and culture. **Same as** CL 297.
Prerequisite(s): CL 102; or consent of the instructor.
Creative Arts, and Past course.

ENGL 302 3 hrs.
Studies in the Moving Image
 Study of a topic or movement in film and/or other media forms. **Same as** MOVI 302. May be repeated to a maximum of 6 hrs.
Prerequisite(s): ENGL 102 or consent of instructor.

ENGL 303 3 hrs.
Studies in Poetry
 Survey of the traditions of English and American poetry.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.
Recommended background: ENGL 103.

ENGL 304 3 hrs.
Studies in Drama
 Survey of an author, topic, or movement in drama.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.
Recommended background: ENGL 104.

ENGL 305 3 hrs.
Studies in Fiction
 Survey of a topic or a movement in fiction. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.
Recommended background: ENGL 105 or 106.

ENGL 311 3 hrs.
Medieval English Literature
 Survey of major works from the period 450–1500. Readings may include Beowulf, Chaucer, Langland, the Gawain-poet.
Prerequisite(s): Grade of C or better in ENGL 240 and grade of C or better in ENGL 241.

ENGL 312 3 hrs.
Sixteenth- and Seventeenth-Century Literature

Study of important works written in English between 1500 and 1700. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 241.

ENGL 313 3 hrs.
Major Plays of Shakespeare

Major comedies, histories, tragedies, and romances; the development of Shakespeare's career in relation to his theater and his society. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 241.

ENGL 314 3 hrs.
Milton

An introduction to Milton's life and works, this course focuses primarily on the major poetry (Paradise Lost, Paradise Regained, Samson Agonistes) and selected prose. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 241.

ENGL 315 3 hrs.
Restoration and Eighteenth-Century Literature

Survey of representative texts in the major genres of Restoration and eighteenth-century literature. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 242.

ENGL 316 3 hrs.
British Romantic Literature

Surveys the work of important British Romantic writers such as Wordsworth, Coleridge, Byron, Austen, and Scott, with particular emphasis on analyzing a variety of typical genres. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 242.

ENGL 317 3 hrs.
Victorian Literature

Introduction to the literature of the Victorian period in England, with representative fiction, poetry, and nonfictional prose. Some attention to other aspects of Victorian culture (visual arts, architecture, music) as appropriate. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 242.

ENGL 318 3 hrs.
Modern British Literature: 1900–1945

This course surveys major themes in British literature written between 1900 and 1945. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 242.

ENGL 319 3 hrs.
Post-War British Literature: 1945–1980

Focus on the new international literatures in English and the forces that produced them. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 242.

ENGL 320 3 hrs.
British Literature: 1980–Present

British literature in the contemporary context. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 242.

ENGL 321 3 hrs.
Early American Literature: 1630 to 1790

Survey of representative works in early American literature from the early Colonial through the Revolutionary and Federal periods. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 243.

ENGL 323 3 hrs.
American Literature: 1790 to 1865

The course analyzes selected works of American literature written between 1790 and the end of the Civil War in 1865. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 243.

ENGL 324 3 hrs.
American Literature: 1865–1900

Analysis of representative American literary works of the period 1865–1900. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 243.

ENGL 325 3 hrs.
Modern American Literature: 1900–1945

Representative selections with emphasis on the poetry and fiction of the period. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 243.

ENGL 326 3 hrs.
Post-War American Literature: 1945–1980

Representative selections with emphasis on poetry and fiction of the period. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 243.

ENGL 327 3 hrs.
Contemporary American Literature: 1980–Present

Study of contemporary American authors, including those who are currently publishing in electronic media forms as well as in commercial, academic, or independent presses. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 243.

ENGL 328 3 hrs.
Asian American Literature

Historical development of Asian American literature. It will identify specific cultural and political issues that have shaped the broad range and diverse ethnic interests of that writing. **Same as ASAM 328. Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 243. **Recommended background:** ENGL 123.

ENGL 333 3 hrs.
Literatures in English Other than English and American

Comparative study of literature in English from the colonial territories, the independent former colonies, and/or the Commonwealth nations. **Prerequisite(s):** Grade of C or better in ENGL 240; and a grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243. **Recommended background:** ENGL 114.

ENGL 341 3 hrs.
Literature and Popular Culture

Study of what constitutes popular culture, how it identifies itself, how it works, and how it can be analyzed. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243. **Recommended background:** ENGL 110.

ENGL 342 3 hrs.
Cultural and Media Studies

General introduction to Cultural Studies, with special attention to film and television and other new media. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 343 3 hrs.
Literature and Religion

Studies in the relation of literature to doctrines, imagery, practices, experiences, or history of one or more religious traditions. **Same as RELS 343. Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 351 3 hrs.
Topics in Black Art and Literature

Study of literature and the other arts in the context of the African diaspora. Topics vary. **Same as AAST 351. Prerequisite(s):** Grade of C or better in AAST 100; and grade of C or better in AAST 110 or grade of C or better in AAST 111; or grade of C or better in ENGL 240 and grade of C or better in ENGL 243.

ENGL 358 3 hrs.
Colonial and Postcolonial Literature

Studies a range of works produced in the context of nineteenth- and twentieth-century colonialism, as well as from the postcolonial period. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243. **Recommended background:** ENGL 114.

ENGL 359 3 hrs.
Ethnic American Literature

Representative selections from a number of ethnic and minority literatures. **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 243. **Recommended background:** ENGL 113.

ENGL 361 3 hrs.
Gender Theory

Survey of theories of gender in culture. Same as GWS 361. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 101 or GWS 102; or consent of the instructor. **Recommended background:** ENGL 117.

ENGL 362 3 hrs.
Queer Theory

Survey of theoretical concerns and historical issues that inform and shape the field of Queer Studies. **Same as GWS 362. Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 203; or consent of the instructor.

ENGL 363 3 hrs.
Gender and Sexuality in Literature

A survey of works that take the status of gender and sexuality as one of their central thematic or aesthetic concerns. **Same as GWS 363. Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 101 or GWS 102; or consent of the instructor. **Recommended background:** ENGL 117.

ENGL 364 3 hrs.
Disability Studies

This course surveys the representation of physical and cognitive disability in U.S. culture, 1622–present, in order to examine the ways in which impairment impacts definitions of Americanness. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or consent of the instructor.

ENGL 370 3 hrs.
Literary Theory

An introduction to and survey of literary theory. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 372 3 hrs.
History of Literary Criticism
 This course provides an overview of the foundations of literary criticism in English from the ancient Greeks to the present time.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.

ENGL 374 3 hrs.
Rhetorical Studies
 Theoretical and practical studies of the social contexts, uses, and effects of various kinds of discourse and communication, whether oral, written, or electronic.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.
Recommended background: ENGL 122.

ENGL 375 3 hrs.
Rhetoric and Public Life
 The study of how language and other media intersect with material conditions to make political belief and political change.
Prerequisite(s): Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243.
Recommended background: ENGL 122.

ENGL 394 3 hrs.
Special Topics in English Studies
 Selected topics in English Studies. May be repeated up to 2 time(s).

ENGL 398 3 hrs.
English Honors Seminar
 Supervised research and writing of a senior honors thesis on a topic agreed upon by student and faculty sponsor. Students who complete this course and fulfill all of the other honors prerequisites will be awarded highest distinction in the major.
Prerequisite(s): A GPA of 3.75 or higher in courses required for the major, completion or simultaneous enrollment in a 400-level seminar, faculty sponsor, and the approval of the department.

ENGL 399 1–3 hrs.
Independent Study in English
 Independent study. Topics for ENGL 399 should not duplicate work done in other English courses. May be repeated to a maximum of 3 hrs.
Prerequisite(s): Senior standing and consent of the instructor. The student must first consult with the instructor of the independent study and the instructor and director of undergraduate studies must approve the student's written prospectus specifying the topic, required work, and number of credit hours the student will receive for the course.

ENGL 400 3 OR 4 hrs.
History of the English Language
 Development of English from its Proto-Indo-European origin to the present; detailed examination of the external and internal history of Old, Middle, and Modern English. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): Senior standing or above; or consent of the instructor.
Recommended background: ENGL 200.

ENGL 401 3 OR 4 hrs.
Modern English
 This is a course on the sound system, the lexicon, and syntax-semantics of modern American English taught from the linguistic perspective. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): Senior standing or 9 hours of English or consent of the instructor.
Recommended background: ENGL 200.

ENGL 402 3 OR 4 hrs.
Rhetoric
 Intensive study of central topics in rhetorical theory in their historical depth. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): ENGL 342 or ENGL 361 or ENGL 370 or ENGL 372 or ENGL 374 or ENGL 375; and senior standing or above; or consent of the instructor.

ENGL 403 3 OR 4 hrs.
Introduction to Old English
 The elements of Old English grammar and readings from the literature of England before the Norman Conquest. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): ENGL 240; and ENGL 241 or ENGL 242 or ENGL 243; or consent of the instructor.

ENGL 405 3 OR 4 hrs.
Topics in Old English Literature
 Studies in the language and literature of pre-Conquest England. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 403; or consent of the instructor.

ENGL 408 3 OR 4 hrs.
Topics in Medieval Literature
 Topics in English literature from the period 450–1500. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 311 or ENGL 312 or ENGL 313 or ENGL 314; and senior standing or above; or consent of the instructor.

ENGL 413 3 OR 4 hrs.
Topics in Shakespeare
 Study of a genre, topic, or period in Shakespeare's work. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 312 or ENGL 313 or ENGL 314; and senior standing or above; or consent of the instructor.

ENGL 416 3 OR 4 hrs.
Topics in Renaissance Literature and Culture
 Study of a topic in English literature written between 1500 and 1700. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 311 or ENGL 312 or ENGL 313 or ENGL 314; and senior standing or above; or consent of the instructor.

ENGL 417 3 OR 4 hrs.
Topics in Restoration and Eighteenth-Century Literature and Culture
 Focus on a particular topic or theme in British literature 1660–1780. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 313 or ENGL 314 or ENGL 315 or ENGL 316; and senior standing or above; or consent of the instructor.

ENGL 419 3 OR 4 hrs.
Topics in Romantic Literature and Culture
 Concentrates on a particular aspect of British Romantic writing in order to provide a greater depth of study in the period. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 313 or ENGL 314 or ENGL 315 or ENGL 316 or ENGL 317; and senior standing or above; or consent of the instructor.

ENGL 421 3 OR 4 hrs.
Topics in Victorian Literature
 Study of a major author, genre, or theme in the Victorian period. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 315 or ENGL 316 or ENGL 317 or ENGL 318; and senior standing or above; or consent of the instructor.

ENGL 422 3 OR 4 hrs.
Topics in Postcolonial and World Literature in English
 Study of a major author, topic, movement, or genre within postcolonial and world literatures in English. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 318 or ENGL 319 or ENGL 320 or ENGL 333; and senior standing or above; or consent of the instructor.

ENGL 426 3 OR 4 hrs.
Topics in American Literature and Culture to 1900
 This course analyzes selected topics in American literature and culture to 1900. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 323 or ENGL 324 or ENGL 325; and senior standing or above; or consent of the instructor.

ENGL 427 3 OR 4 hrs.
Topics in American Literature and Culture, 1900–Present
 Study of a specific topic relating American literature to society, culture, history, race, gender, ethnicity. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 324 or ENGL 325 or ENGL 326 or ENGL 327; and senior standing or above; or consent of the instructor.

ENGL 428 3 OR 4 hrs.
Topics in Literature and Culture, 1900–Present
 Study of a specific topic relating twentieth-century literature to society, culture, history, race, gender, ethnicity. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 318 or ENGL 319 or ENGL 320 or ENGL 325 or ENGL 326 or ENGL 327; and senior standing or above; or consent of the instructor.

ENGL 429 3 OR 4 hrs.
Topics in Literature and Culture
 Study of a specific topic relating literature to society, culture, history, race, gender, ethnicity. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): Six hours of English at the 300-level and senior standing or above; or consent of the instructor.

ENGL 437 3 OR 4 hrs.
Topics in Poetry and Poetic Theory
 Investigations into the nature of poetry. Discussions of issues such as technical, theoretical, formal, and historical developments. Topics and readings vary. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 303 or ENGL 316 or ENGL 355; and senior standing or above; or consent of the instructor.

ENGL 438 3 OR 4 hrs.
Topics in Performance Studies
 In-depth study of a topic, movement, artist, or author in the field of drama and performance studies, broadly defined. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 304 or ENGL 313 or ENGL 341 or ENGL 342 or ENGL 370 or ENGL 375; and senior standing or above; or consent of the instructor.

ENGL 439 3 OR 4 hrs.
Topics in Fiction and Theories of Fiction
 Study of fiction related to a particular theory of fiction (Realism, Romance, Literary Naturalism, Narrative Theory, Fictional Poetics). Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).
Prerequisite(s): ENGL 305; and senior standing or above; or consent of the instructor.

ENGL 440 3 OR 4 hrs.
Topics in Cultural and Media Studies

Study of a medium, genre, theme, period, influence, or problem in Culture and Cultural Theory. Topics Vary. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).

Prerequisite(s): ENGL 302 or ENGL 341 or ENGL 342; and senior standing or above; or consent of the instructor.

ENGL 441 3 OR 4 hrs.
Topics in Asian American Literature and Culture

An advanced seminar that examines various forms of cultural production by Asian American artists of diverse ethnic backgrounds. Topics vary. **Same as** ASAM 441. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 327 or ENGL 328 or ENGL 359; and senior standing or above; or consent of the instructor.

ENGL 443 3 OR 4 hrs.
Topics in Gender, Sexuality, and Literature

Specific study of topics in gender and literature. Content varies. **Same as** GWS 443. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or GWS 101 or GWS 102; and senior standing or above; or consent of the instructor.

ENGL 444 3 OR 4 hrs.
Topics in Theories of Gender and Sexuality

Advanced study of topics related to theories of gender and sexuality. **Same as** GWS 444. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or GWS 101 or GWS 102; and senior standing or above; or consent of the instructor.

ENGL 445 3 OR 4 hrs.
Topics in Disability Studies

This course will focus on topics structured around particular aspects of Disability Studies and its practical, cultural, and theoretical implications. **Same as** DHD 445. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or ENGL 364; and senior standing or above; or consent of the instructor.

ENGL 446 3 OR 4 hrs.
Topics in Criticism and Theory

Focus on a particular critical or theoretical topic, movement, tradition, or figure. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 370 or ENGL 372; and senior standing or above; or consent of the instructor.

ENGL 448 3 OR 4 hrs.
Topics in Rhetorical Studies

Study of theoretical intersections between Rhetoric and Cultural Studies to describe and explain the ways in which discourse constructs identity, knowledge, and values. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).

Prerequisite(s): ENGL 374 or ENGL 375 or ENGL 342 or ENGL 402; and senior standing or above; or consent of the instructor.

ENGL 459 3 OR 4 hrs.
Introduction to the Teaching of English in Middle and Secondary Schools

Intended as a general initiation to the field of secondary English teaching, the course focuses on many of the crucial issues facing teachers in contemporary language arts classrooms. 3 undergraduate hrs. 4 graduate hrs. Fieldwork required.

Prerequisite(s): Completion of the University Writing requirement; and sophomore standing or above.

ENGL 462 3 OR 4 hrs.
Topics in American Literary Nonfiction Prose

Study of a specific topic in the literary nonfiction of the United States, which may include its history, development, and classification. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** Grade of C or better in ENGL 240 and grade of C or better in ENGL 243, and junior standing or above; or consent of the instructor.

ENGL 469 3 OR 4 hrs.
Women's Literary Traditions

An exploration of issues such as the female aesthetic; women's popular literature; factors that enable creativity; differences of race and class. **Same as** GWS 469. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363; and senior standing or above; or consent of instructor.

ENGL 470 3 OR 4 hrs.
Topics in Multiethnic Literatures in the United States

Topics in the literatures of American racial and ethnic groups. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 328 or ENGL 333 or ENGL 350 or ENGL 351 or ENGL 355 or 357; or ENGL 359; and senior standing or above; or consent of the instructor.

ENGL 471 3 OR 4 hrs.
Topics in Native American Literatures

The history and development of literature by and about American Indians. Content varies. **Same as** NAST 471. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** Senior standing or above and 6

hours of English, African American studies, or Latin American studies or consent of the instructor.

ENGL 472 3 OR 4 hrs.
Women and Film

Roles and representations of women in classical Hollywood, European art, and independent feminist cinemas. **Same as** AH 434 and GWS 472. 3 undergraduate hrs. 4 graduate hrs.

Prerequisite(s): ENGL 302 or ENGL 342 or ENGL 361 or ENGL 362 or ENGL 363; and senior standing or above; or consent of instructor.

ENGL 473 3 OR 4 hrs.
Topics in African American Literature

African American literature and culture for students with significant background in the field. Topics vary. **Same as** AAST 490. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** AAST 357 or AAST 360 or ENGL 357; and senior standing or above; or consent of the instructor.

ENGL 474 3 OR 4 hrs.
Topics in Popular Culture and Literature

Study of a specific topic relating literature to popular culture, such as sport, television, and best sellers. Critical analysis of the cultural mythology encasing these subjects. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 302 or ENGL 341 or ENGL 342; and senior standing or above; or consent of the instructor.

ENGL 478 3 OR 4 hrs.
The Bible as Literature

Literary analysis of the English Bible (including the Apocrypha) in its historical and religious contexts; study of the King James Version and successive revisions of it. **Same as** JST 478 and RELS 478. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or consent of the instructor.

ENGL 481 3 OR 4 hrs.
Methods of Teaching English in Middle and Secondary Schools

Theory and practice; emphasis on current approaches to language and literature in multicultural settings. 3 undergraduate hrs. 4 graduate hrs. All students in the teacher education program must take this course in the term preceding their student teaching. **Prerequisite(s):** Senior standing or 9 hours of English or consent of the instructor.

ENGL 482 4 hrs.
Campus Writing Consultants

Tutoring in the Writing Center. Students are required to consult with others on their writing. Emphasis on practice and theo-

ries of writing. Appropriate for prospective teachers.

Prerequisite(s): Senior standing or 9 hours of English and consent of the instructor. Students must obtain override from the Writing Center.

ENGL 483 3 OR 4 hrs.
Studies in Language and Rhetoric

Study of a particular topic or movement in language or rhetoric. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).

Prerequisite(s): Senior standing or above; or consent of the instructor.

ENGL 484 3 OR 4 hrs.
Studies in Language and Cognition

Examination of relationships among theories of language structure, cognition, and discourse, with applications of such theories to the writing process. 3 undergraduate hrs. 4 graduate hrs.

Prerequisite(s): ENGL 401; or consent of the instructor.

ENGL 485 3 OR 4 hrs.
Studies in the English Language and Linguistics

Study of a topic such as language diversity and literacy, theories of grammar, literacy in society, ethnicity and language. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** Senior standing or 9 hours of English or consent of the instructor.

ENGL 486 3 OR 4 hrs.
The Teaching of Writing in Middle and Secondary Schools

Rhetoric and composition pedagogy. Study of a topic. Content varies. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Senior standing or 9 hours of English or consent of the instructor.

ENGL 489 3 OR 4 hrs.
The Teaching of Reading and Literature in Middle and Secondary Schools

Intended as a part of the English education methods sequence, with particular emphasis on helping prospective teachers assist struggling readers in the study of literature. 3 undergraduate hrs. 4 graduate hrs. Fieldwork required. **Prerequisite(s):** ENGL 459 and completion of the University Writing requirement; or consent of the instructor.

ENGL 490 3 OR 4 hrs.
Advanced Writing of Poetry

Advanced work on poetic techniques and practices; emphasis on analysis of student work, using published examples; particular attention to individual student development. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) by undergraduates. **Prerequisite(s):** Undergraduates: Grade of B or better in ENGL 210. **Registration restrictions:** Graduate students must obtain approval of the Department of English.

ENGL 491 3 OR 4 hrs.
Advanced Writing of Fiction
Advanced practice; emphasis on analysis of student work and published examples. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) by undergraduates. **Prerequisite(s):** Undergraduates: Grade of B or better in ENGL 212.

Registration restrictions:
Graduate students must obtain approval of the Department of English.

ENGL 492 3 OR 4 hrs.
Advanced Writing of Nonfiction Prose

Advanced practice in writing essays, articles, reviews, or other forms of nonfiction prose. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) by undergraduates. **Prerequisite(s):** Undergraduates: Grade of B or better in ENGL 201.

Registration restrictions:
Graduate students must obtain approval of the Department of English.

ENGL 493 0–6 hrs.
Internship in Nonfiction Writing

Approved internship where students learn professional writing and organizational communication with an emphasis on initiative, planning, and meeting deadlines. Both the instructor and a supervisor mentor students during the course. May be repeated to a maximum of 6 hrs. A maximum of 6 hours may be applied toward either the undergraduate major in English or a graduate degree in English. Credit is not given for ENGL 493 if the student has credit in ENGL 593. **Prerequisite(s):** ENGL 201 and ENGL 202 or completion of the Chicago Civic Leadership Certificate Program (CCLCP) and an interview with the coordinator of the internship program prior to registration.

ENGL 494 1–4 hrs.
Topics in the Teaching of English

Study of a topic in literature, composition, and/or pedagogy. The content varies with each offering. May be repeated to a maximum of 8 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

ENGL 495 3 OR 4 hrs.
Playwriting
The development of scripts for stage performance. **Same as** THTR 423. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing or above; and approval of the department and submission and approval of a playwriting sample or dialog-centered fiction prior to registration.

ENGL 498 6 hrs.
Educational Practice with Seminar I

The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve.

Satisfactory/Unsatisfactory grading only. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

ENGL 499 6 hrs.
Educational Practice with Seminar II

The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Satisfactory/Unsatisfactory grading only. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in ENGL 498, and approval of the department.

English as a Second Language

ESL 050 4 hrs.
English as a Second Language Composition I

Instruction in basic grammar and writing for ESL students. Focus on sentence structure and paragraph development. Satisfactory/Unsatisfactory grading only. No graduation credit. **Prerequisite(s):** Open only to freshman and sophomores. Placement determined by English Placement Exam administered by the University Testing Services.

ESL 060 4 hrs.
English as a Second Language Composition II

Basic writing for ESL students. Focus on multiparagraph essays. Satisfactory/Unsatisfactory grading only. No graduation credit. **Prerequisite(s):** Open only to freshmen and sophomores. ESL 050 or placement by English Placement Exam administered by the University Testing Services.

Entrepreneurship

ENTR 300 3 hrs.
Survey of Entrepreneurship
Designed for undergraduate students with a curiosity about business and particularly entrepreneurship and small business or not-for-profit organizations. **Prerequisite(s):** Junior standing or above.

ENTR 430 3 hrs.
Family Business Management

Competitive strengths/weaknesses of a family business, dynamics of family interactions within the overlapping family, management, and ownership systems. Credit is not given for ENTR 430 if the student has credit for MGMT 430. **Recommended background:** Prior experience in a family business.

ENTR 450 3 OR 4 hrs.
Entrepreneurship for Scientists and Engineers

Gives nonbusiness students an appreciation for the rewards and challenges of entrepreneurship, especially as it relates to commercializing emerging technologies. 3 undergraduate hrs. 4 graduate hrs. Credit is not given for students enrolled in a Business Administration degree program.

ENTR 454 3 hrs.
New Venture Formation

Awareness and realistic understanding of the new venture formation process; role of the entrepreneur in the economy and society; self-evaluation, venture feasibility. Credit is not given for ENTR 454 if the student has credit for MGMT 455 or MKTG 454. **Prerequisite(s):** FIN 300 and MGMT 340 and MKTG 360, or consent of the instructor.

ENTR 464 3 hrs.
Entrepreneurial Consulting

Student teams diagnose and recommend solutions to problems and opportunities facing Chicago area entrepreneurs and smaller enterprises. Application of previous course work. Credit is not given for ENTR 464 if the student has credit for MKTG 464. **Prerequisite(s):** ENTR 454; and ECON 218 or ECON 220, and 6 credit hours of other entrepreneurship courses.

ENTR 494 3 hrs.
Special Topics in Entrepreneurship

Exploration of areas not covered in existing course offerings or study of selected topics in greater depth. Subject will vary from semester to semester. May be repeated to a maximum of 6 hrs. May be repeated if topics vary. **Prerequisite(s):** ENTR 454 and senior standing or above and approval of the department.

ENTR 499 1–3 hrs.
Independent Study in Entrepreneurship

Independent study of an approved topic in entrepreneurship. Student must prepare a written report under the guidance of the instructor. **Prerequisite(s):** Approval of the department.

Finance

FIN 300 3 hrs.
Introduction to Managerial Finance

Description of financial markets. Time value of money. Risk and return. Market valuation of securities. Capital budgeting, capital structure, and dividend policy of firms. **Prerequisite(s):** ACTG 210 and MATH 160 and credit or concurrent registration in ECON 218.

FIN 310 3 hrs.
Investments

Organization of security markets. Legal and institutional environment, mechanics of trade, financial intermediation, security

classification. General principles of asset valuation with application to specific securities.

Prerequisite(s): FIN 300.

FIN 320 3 hrs.
Managerial Finance

Short-term asset management, capital budgeting under certainty and uncertainty, capital structure and dividend policy, valuation and risk, capital asset prices, financial policy for firms. **Prerequisite(s):** FIN 300.

FIN 371 3 hrs.
Introduction to Urban Real Estate

Introductory survey of urban real estate; business, legal, economic, and financial perspectives. **Same as** ECON 371. **Prerequisite(s):** ECON 218 or ECON 220.

FIN 396 1–3 hrs.
Independent Study

Independent study, under the direction of a faculty member, must be arranged before the start of the semester. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** Consent of the department head.

FIN 412 3 hrs.
Portfolio Management

Development of portfolio theory; establishment of portfolio objectives for individuals, corporations, banks, pension and mutual funds; evaluation of portfolio performance. **Prerequisite(s):** FIN 310.

FIN 415 3 hrs.
Fixed Income Securities

Valuation of fixed income securities, term structure estimation, and arbitrage trading with practical application using real data. **Prerequisite(s):** FIN 310.

FIN 416 3 hrs.
Options and Futures Markets

History and institutional structure of options and futures markets. Uses of futures and options for arbitrage, speculation, and hedging by managers of domestic and multinational organizations. Analysis of factors which determine futures and options prices. **Prerequisite(s):** FIN 310.

FIN 430 3 hrs.
Introduction to Money and Banking

Payment and banking systems; credit and market risk management; The Federal Reserve System; globalization of monetary, banking, and regulatory systems. **Prerequisite(s):** FIN 300.

FIN 431 3 hrs.
Theory and Structure of Financial Markets

The distribution of saving and credit over time and risk categories. The financial services industry. Administration and regulation of global money, security, and derivatives markets. **Prerequisite(s):** FIN 300.

FIN 442 3 hrs.**International Finance**

Financial management within an international context.

International monetary system and financial markets, management of foreign investments, working capital management, exchange risks, taxation, and earnings reports. **Prerequisite(s):** FIN 300 and FIN 310.

FIN 444 3 hrs.**Small Business Finance**

Aspects of acquiring funds for small business enterprises. Topics include the trade-off of liquidity and profitability, management of working capital, and capitalization. **Prerequisite(s):** FIN 300.

FIN 465 3 OR 4 hrs.**Property and Liability Insurance**

Using property and liability insurance to manage risk. Topics may include fire, marine, consequential loss, crime, title, automobile, and workers' compensation insurance. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** FIN 300; or consent of the instructor.

FIN 466 3 OR 4 hrs.**Life and Health Insurance**

Types, uses, and evaluation of life and health insurance. Economics of the industry. Regulation and taxation. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** FIN 300; or consent of the instructor.

FIN 472 3 OR 4 hrs.**Real Estate Finance**

Finance principles applied to real estate; financing of residential and income-producing real estate; real estate development finance; secondary mortgage market; taxation and real estate finance. **Same as** ECON 472. 3 undergraduate hrs. 4 graduate hrs. May not be used to satisfy the economics credit requirement for the MA in Economics and PhD in Economics. Elective credit only will be applied toward these degrees. **Prerequisite(s):** ECON 218 or ECON 220.

FIN 473 3 hrs.**Introduction to Risk Management**

Introduction to risk management. Loan and credit management; credit scoring. Risk measurements and reserves; banking and insurance capital requirements, the BASEL accord, tail events and catastrophic event insurance. Financial contracts and hedging. **Same as** IDS 473. **Prerequisite(s):** FIN 300 and IDS 371.

FIN 494 1-4 hrs.**Special Topics in Finance**

An intensive study of a selected topic in finance. Topics vary by sections and by term. 1 to 3 undergraduate hrs. 2 to 4 graduate hrs. May be repeated if topics vary. Students may register for more than one section per term. May be repeated to a maximum of 6 hours for undergraduates;

may be repeated to a maximum of 8 hours for graduate students. **Prerequisite(s):** Consent of the instructor.

FIN 495 4 hrs.**Competitive Strategy**

Multidisciplinary analysis of organization strategy and policy using case method and/or business simulation. Assignments involve extensive library research as well as oral and written reports. **Prerequisite(s):** Senior standing in the College of Business Administration and completion of all other CBA Core courses, or consent of the instructor.

French**FR 101 4 hrs.****Elementary French I**

Introduction to French language and culture. Intensive practice in speaking, listening, reading, and writing. Two additional half hours each week in the language laboratory. For students who have not studied French or placement as determined by test score.

FR 102 4 hrs.**Elementary French II**

Continuation of introduction to French language and culture. Intensive practice in speaking, listening, reading, and writing. Two additional half hours each week in the language laboratory. **Prerequisite(s):** A grade of C or better in FR 101, or the equivalent as determined by test score.

FR 103 4 hrs.**Intermediate French I**

Reading of modern authors, syntax and composition, conversational practice and small-group intensive practice. Two additional half hours each week in the language laboratory. **Prerequisite(s):** FR 102, or the equivalent as determined by test score.

FR 104 4 hrs.**Intermediate French II**

Intermediate language and culture. Reading of modern authors, syntax and composition, conversational practice; small-group intensive practice. Two additional half hours each week in the language laboratory. **Prerequisite(s):** FR 103 or the equivalent as determined by test score.

FR 110 4 hrs.**Intensive Elementary French**

Equivalent to FR 101 and FR 102. This accelerated course covers the first two semesters of French in one semester and is designed for students with previous experience in Spanish, French, or Italian. Credit is not given for FR 110 if the student has credit in any of the following: FR 101, FR 102, FR 103, FR 104; or has completed any 200-, 300-, 400-, or 500-level French course; or has placed into FR 103 or above. Four additional hours each week in the language laboratory. For native speakers of Spanish or students with more

than two years of high school French, Spanish, or Italian.

Prerequisite(s): Placement as determined by test score; or two or three years of high school French, Spanish, or Italian; or native speaker of Spanish.

FR 191 3 hrs.**African and Caribbean Francophone Literature in Translation**

An introduction to the Francophone literature of Africa and the Caribbean and to its historical and cultural contexts. **Same as** AAST 191. *Creative Arts, and World Cultures course.*

FR 196 3 hrs.**Totalitarianism, Writing, and Cinema**

An introduction to French, Spanish, and Italian writing and films dealing with the issue of totalitarianism. Various authors are examined within a broad context of European thinking on totalitarianism. **Same as** ITAL 196 and SPAN 196. Taught in English. Two additional hours for viewing films (every two weeks). **Prerequisite(s):** Consent of the instructor.

FR 198 3 hrs.**French Literature in Translation**

Students will study one aspect of French literature (a period or genre) in translation, focusing on critical thinking and literary analysis. Does not count toward the French major or minor. Taught in English. *Creative Arts, and World Cultures course.*

FR 200 3 hrs.**Introduction to the Study of French Literature and Culture**

Techniques and methods of literary and cultural analysis in French, with emphasis on close reading and writing of critical papers. Taught in French. **Prerequisite(s):** FR 104; or appropriate score on the department placement test. **Recommended background:** Sufficient command of French to read texts and follow lectures. *Creative Arts, and World Cultures course.*

FR 201 3 hrs.**Introduction to French Literature I**

Introductory survey to French literature of the 19th and 20th centuries. Major works are read either in complete form or excerpts; placed in their historical/cultural contexts. Emphasis is on close readings of texts and writing critical papers.

Prerequisite(s): FR 200 or consent of the instructor.

Recommended background: Sufficient command of French to read texts and to follow the class lectures. *Creative Arts, and World Cultures course.*

FR 202 3 hrs.**Introduction to French Literature II**

Introductory survey to French literature from the Middle Ages to the 18th century. Major works are read in complete form or excerpts; placed in historical/cultural contexts. Emphasis on close readings of texts and writing critical papers. **Prerequisite(s):** FR 200 or consent of the instructor. **Recommended background:** Sufficient command of French to read texts and to follow the class lectures. *Creative Arts, and Past course.*

FR 231 3 hrs.**Conversation and Composition I**

Development of skills in spoken and written French; conversational practice based on practical situations; advanced grammar review; free composition. Taught in French. **Prerequisite(s):** FR 104; or appropriate score on the department placement test. Not open to native speakers except with approval of the department.

FR 232 3 hrs.**Conversation and Composition II**

Continuation of FR 231. **Prerequisite(s):** FR 231. Not open to native speakers except with approval of the department.

FR 296 1-3 hrs.**Independent Study**

For majors and minors in French who wish to supplement regular courses or undertake individual study projects. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** Approval of the department.

FR 301 3 hrs.**Topics in French and Francophone Literature**

Intensive study of a period, genre, or author within French or Francophone literature, with emphasis on literary analysis and critical writing. May be repeated up to 1 time(s) if topics vary. Taught in French.

Prerequisite(s): FR 201 and FR 202 or consent of the instructor.

FR 302 3 hrs.**Topics in French and Francophone Culture**

Intensive study of French or Francophone culture within a particular period; focus on literary and/or historical texts in the context of social and intellectual movements. May be repeated up to 1 time(s) if topics vary. Taught in French. **Prerequisite(s):** FR 201 and FR 202 or consent of the instructor.

FR 307 3 hrs.**Performing French Theater**

Analysis, dramatic reading, and performance of scenes, acts, or an entire play in French. Focus on pronunciation, diction, fluency and performance. Taught in French. **Prerequisite(s):** FR 201 and FR 202; and consent of the instructor.

FR 333 3 hrs.
Oral and Written French I
 Advanced oral and written work in grammar, vocabulary, oral and aural comprehension; discussions, corrective exercises in composition and pronunciation.
Prerequisite(s): FR 232 or consent of the instructor.

FR 334 3 hrs.
Oral and Written French II
 Continuation of FR 333.
Prerequisite(s): FR 333 or consent of the instructor.

FR 370 1 hr.
Writing and Research in the Major
 Perfecting writing and expository skills in English. Required for majors in the department. **Same as** ITAL 370 and SPAN 370.
Prerequisite(s): Junior or senior standing and approval of the department.

FR 375 0–17 hrs.
French Abroad
 Lectures, seminars, and practical work in French language, literature, and civilization in France. May be repeated to a maximum of 34 hrs. **Prerequisite(s):** Junior standing, approval of the department, FR 201 and any two from FR 202, FR 231, FR 232.

FR 390 3 hrs.
Senior Seminar: Topics in Research and Writing
 Research and critical writing in French studies. Completion of independent research project on seminar topic. Satisfies Writing-in-the-Discipline requirement.
Prerequisite(s): 24 hours completed in French at the 200-level or above or consent of the instructor.

FR 413 3 OR 4 hrs.
French Feminist and Gender Theory
 An introduction to French theories of gender, including feminisms influenced by Lacanian psychoanalysis, political philosophy, and multicultural studies. **Same as** GWS 413. 3 undergraduate hrs. 4 graduate hrs. May be used for credit in the French major only with consent of the director of undergraduate studies. Taught in English. Students who intend to use French 413 toward the major in French must complete assignments in French.
Prerequisite(s): FR 301 or FR 302; or consent of the instructor.

FR 415 3 OR 4 hrs.
French Literature of the Middle Ages
 Introduction to major medieval genres (epic, romance, lyric, theater, allegory), works and authors, such as le Chanson de Roland, Tristan, Chretien de Troyes, Marie de France, Villon. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s).
Prerequisite(s): FR 301 or consent of the instructor.

FR 416 3 OR 4 hrs.
Topics in Sixteenth-Century French Literature
 Intensive analysis of Renaissance literature (Rabelais, Montaigne, Marguerite de Navarre, poetry of the Pleiade, etc.) in the cultural context of humanism and the reformation. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s). **Prerequisite(s):** FR 301 or consent of the instructor.

FR 417 3 OR 4 hrs.
Topics in Seventeenth-Century French Literature
 Intensive study of baroque and classicism, with focus on major genres: theater (Corneille, Moliere, Racine); poetry (La Fontaine); prose (Pascal, de Sevigne); novel (de Lafayette). 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s). Students may register in more than one section per term.
Prerequisite(s): FR 301 or consent of the instructor.

FR 418 3 OR 4 hrs.
Topics in Eighteenth-Century French Literature
 Introduction to the literature and philosophy of the Enlightenment through representative authors (Rousseau, Diderot, etc.) and major genres (novel, essay, conte, theatre, etc.). 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s).
Prerequisite(s): FR 301 or consent of the instructor.

FR 419 3 OR 4 hrs.
Topics in Nineteenth-Century French Literature
 Major genres and works from Romanticism to realism, naturalism, and symbolism will be studied within the context of the social, cultural, and political movements of the century. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s). **Prerequisite(s):** FR 301 or consent of the instructor.

FR 420 3 OR 4 hrs.
Topics in Twentieth-Century French Literature
 Study of major literary movements (surrealism, existentialism, nouveau roman, theater of the absurd) and intensive analysis of works by major authors from Proust to Beckett. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s).
Prerequisite(s): FR 301 or consent of the instructor.

FR 422 3 OR 4 hrs.
Francophone Novel
 Intensive analysis of a topic in Francophone literature. Scope includes Quebec, Africa, the Antilles, and French novelists outside of France. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s).
Prerequisite(s): FR 301 or consent of the instructor.

FR 433 3 OR 4 hrs.
Advanced Oral and Written French
 Exercises in French pronunciation; oral interpretation of different texts (familiar style and

formal discourse); discussion of newspapers, magazine articles; practice in critical writing. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** FR 334 or consent of the instructor.

FR 440 3 OR 4 hrs.
Topics in French and Francophone Cinema
 This course will examine a selection of French and Francophone films chosen around a period or theme or genre. Topics will vary. 3 undergraduate hrs. 4 graduate hr. May be used for credit in the French major only with consent of the director of undergraduate studies. Taught in English. Students who intend to use French 440 toward the Major in French must complete assignment in French. **Prerequisite(s):** FR 301 or FR 302; or consent of the instructor.

FR 448 3 OR 4 hrs.
Foundations of Second Language Teaching
 Provides an introduction to second language acquisition research and its implications for communicative language teaching. Emphasis is on creating activities to develop high school students' communicative abilities in speaking and listening. **Same as** GER 448 and SPAN 448. 3 undergraduate hrs. 4 graduate hrs. Taught in English.
Prerequisite(s): Junior standing or above; and consent of the instructor and three courses at the 200- and 300-levels.

FR 449 3 OR 4 hrs.
Teaching Second Language Literacy and Cultural Awareness
 Examines the nature of literacy as a reciprocal relationship between readers, writers, texts, and culture. Students learn the practical and theoretical foundations of classroom teaching of second language reading and writing skills. **Same as** GER 449 and SPAN 449. 3 undergraduate hrs. 4 graduate hrs. Taught in English.
Prerequisite(s): Junior standing or above; and consent of the instructor.

FR 461 3 OR 4 hrs.
French Civilization I: Medieval and Renaissance
 Interdisciplinary approach to French civilization of the Middle Ages and the Renaissance including history, literature, the beaux-arts, and philosophy. 3 undergraduate hrs. 4 graduate hrs. Lectures and discussion in French. **Prerequisite(s):** FR 302 or consent of the instructor.

FR 462 3 OR 4 hrs.
French Civilization II: Seventeenth and Eighteenth Centuries
 Interdisciplinary approach to French civilization of the seventeenth and eighteenth centuries, including history, literature, the beaux-arts, and philosophy. 3 undergraduate hrs. 4 graduate hrs. Lectures and discussion in French. **Prerequisite(s):** FR 302 or consent of the instructor.

FR 463 3 OR 4 hrs.
French Civilization III: Nineteenth and Twentieth Centuries
 An interdisciplinary approach to French civilization of the nineteenth and twentieth centuries, including history, literature, beaux-arts, and philosophy. 3 undergraduate hrs. 4 graduate hrs. Lectures and discussion in French. **Prerequisite(s):** FR 302 or consent of the instructor.

FR 464 3 OR 4 hrs.
Topics in French Civilization
 An interdisciplinary approach to French civilization, including history, literature, beaux-arts, and philosophy. Each topic focuses on a specific period between the Middle Ages and the present. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s). **Prerequisite(s):** FR 302 or consent of the instructor.

FR 470 6 hrs.
Educational Practice with Seminar I
 The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.
Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

FR 471 6 hrs.
Educational Practice with Seminar II
 The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.
Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in FR 470, and approval of the department.

FR 494 3 OR 4 hrs.
Special Topics
 Topics will vary from term to term and may cover such areas as literary theory or culture. **Same as** SPAN 494 and ITAL 494. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. Taught in English. **Prerequisite(s):** Junior standing or above; and approval of the department.

FR 496 1–4 hrs.
Independent Study
 Supervised study in an area not covered by regularly scheduled courses under the direction of a faculty member designated by the chairperson of the department.
Prerequisite(s): French major with senior or graduate standing and consent of the department.

Gender and Women's Studies**GWS 101 3 hrs.****Gender in Everyday Life**

A multidisciplinary examination of the status of women in the U.S. incorporating the perspectives of psychology, sociology, economics, political science, and philosophy. Guest lecturers, panel discussions, films, and small group discussions. *Individual and Society*, and *U.S. Society* course.

GWS 102 3 hrs.**Global Perspectives on Women and Gender**

A multidisciplinary examination of women's status and roles in various societies outside the U.S.; uses various social science approaches. Guest speakers, films, videos and small discussion groups. *Individual and Society*, and *World Cultures* course.

GWS 110 3 hrs.**Economics of Gender**

The role of gender in the economy; comparisons between men and women in time allocation patterns, education, and earnings; economic implications of diverse family structures. **Same as** ECON 110.

GWS 111 3 hrs.**Women and Literature**

Introduction to reading English and American literature with a focus on gender, genre, and women's roles. **Same as** ENGL 111. *Creative Arts*, and *Individual and Society* course.

GWS 117 3 hrs.**Introduction to Gender, Sexuality, and Literature**

Introduction to literary texts in Western and other traditions that explore issues of gender and sexuality. **Same as** ENGL 117. *Creative Arts*, and *Individual and Society* course.

GWS 120 3 hrs.**Study of Gender, Class, and Political Issues in German Texts**

Portrayal of relationships between men and women, classes, and political interest groups in German literature. **Same as** GER 120. No credit toward a major or minor program offered by the Department of Germanic Studies. Readings, lectures, and discussions in English. *Individual and Society*, and *World Cultures* course.

GWS 192 3 hrs.**From the Convent to the Streets: Latin American Women Writers in Translation**

Introduction to literature by Latin American women from the seventeenth century to the present. Focus on the role literature has played in the negotiation of gender identities in the private and the public spheres. **Same as** LALS 192 and SPAN 192. No credit toward any major or minor program in Spanish. Taught in English. *Individual and Society*, and *World Cultures* course.

GWS 194 1–3 hrs.**Introductory Topics in Gender and Women's Studies**

Study of a problem, topic, or issue relevant to the interdisciplinary area of gender and women's studies. Content varies. May be repeated to a maximum of 6 hrs. Students may register in more than one section per term.

GWS 202 3 hrs.**Comparative Social Movements**

International social movements involving issues of women, gender, and sexuality. Content varies. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** GWS 101 or GWS 102 or consent of the instructor.

GWS 203 3 hrs.**Sexuality and Community: Lesbians, Gay Men, and Contemporary Society**

Lesbian/gay studies; current personal, political, and cultural issues, including: coming out, hate crimes, military, AIDS, families, religion, activism, representations in literature, film, and media.

GWS 204 3 hrs.**Gender and Popular Culture**

Analysis of representations of gender and sexuality in popular and material culture, using contemporary theories. Focus is on U.S. popular culture. **Same as** COMM 204. **Prerequisite(s):** Sophomore standing or above; or consent of the instructor.

Recommended background:

Credit or concurrent registration in GWS 101 or credit or concurrent registration in COMM 102 or credit or concurrent registration in COMM 103. *Individual and Society*, and *U.S. Society* course.

GWS 211 3 hrs.**Gender and Sexual Orientation in Greek and Roman Literature**

Ancient perceptions of gender roles and sexual orientation as they appear in the major authors of Greece and Rome. **Same as** CL 211. **Prerequisite(s):** Sophomore standing or above. **Recommended background:** CL 102.

GWS 214 3 hrs.**Sex and Gender in World Cultures**

Comparative study of sex roles, gender identity, and male-female relationships, emphasizing biological, ecological, ideological, and symbolic factors associated with cross-cultural variability. **Same as** ANTH 214. **Prerequisite(s):** 3 hours of social sciences or consent of the instructor. *Individual and Society*, and *World Cultures* course.

GWS 224 3 hrs.**Gender and Society**

Sociological perspectives on gender as a factor in social stratification; gender role acquisition; individual and social consequences of changing social definitions of gender roles. **Same as**

SOC 224. **Prerequisite(s):** SOC 100 or GWS 101 or GWS 102. *Individual and Society*, and *U.S. Society* course.

GWS 232 3 hrs.**Sex Roles: Moral and Political Issues**

Philosophical inquiry into controversies surrounding the changing roles of men and women. **Same as** PHIL 232.

GWS 238 3 hrs.**Biology of Women**

An evolutionary perspective on the biology of women from conception to menopause, in light of current research on genetics, hormones, and development. Topics include sexual differentiation, sex differences, and life history. **Same as** ANTH 238. **Prerequisite(s):** Grade of C or better in ANTH 105; or consent of the instructor. *Natural World—No Lab* course.

GWS 244 3 hrs.**Women in Russian Literature**

Major works by and about women in Russian literature: experiences of women and societal attitudes toward them. **Same as** RUSS 244. Taught in English. *Creative Arts*, and *World Cultures* course.

GWS 252 3 hrs.**Sexuality in America: Historical Perspectives**

Sexuality as a force in history. Topics include Victorianism, marriage and courtship, sexual subcultures, censorship and purity crusades, popular culture, and various "sexual revolutions." **Same as** HIST 252. *Past*, and *U.S. Society* course.

GWS 259 3 hrs.**The History of American Women**

Cultural, social, economic developments of gender relationships and women's lives from the seventeenth century to the present; political and ideological responses; feminism. **Same as** HIST 259. *Individual and Society*, *Past*, and *U.S. Society* course.

GWS 261 3 hrs.**Reading Black Women Writing**

Examines inscriptions of race, gender, class, and sexuality as they shape the literary and critical practices of nineteenth- and twentieth-century black women writers. **Same as** AAST 261 and ENGL 261. Previously listed as GWS 470. **Prerequisite(s):** Grade of C or better in AAST 100 or grade of C or better in AAST 110 or grade of C or better in AAST 111 or grade of C or better in ENGL 118 or grade of C or better in ENGL 119 or grade of C or better in ENGL 240; or consent of the instructor.

GWS 262 3 hrs.**Constructions of Gender, Race, Health, and Human Rights**

Explores issues at the intersections of gender, race, and sexuality through the lens of health in both U.S. and non-U.S. contexts. **Prerequisite(s):** GWS 101 or

GWS 102; and sophomore standing or above; or consent of the instructor. *Individual and Society*, and *World Cultures* course.

GWS 272 3 hrs.**Race, Gender, and Sexuality**

The course will focus on the various ways that African American Studies has conceptualized issues of gender and sexuality. **Same as** AAST 272. **Prerequisite(s):** AAST 100. *Individual and Society*, and *U.S. Society* course.

GWS 275 3 hrs.**Gender in Latin America**

Latin American women in historical perspective from pre-Columbian and Iberian societies to the present. **Same as** LALS 275 and POLS 275. *World Cultures* course.

GWS 276 3 hrs.**Latinas in the United States**

Socioeconomic conditions and cultural experiences of Latinas in the U.S. Historical and contemporary views of labor, health, education, family, identity formation, and leadership. **Same as** LALS 276 and SOC 226.

GWS 290 3 hrs.**Topics in the Study of Sexuality**

Exploration of a topic concerning the subject of sexuality. May be repeated to a maximum of 9 hrs. Students may register in more than one section per term.

GWS 292 3 hrs.**History and Theories of Feminism**

An introduction to feminist theory and practice throughout the world from the 19th century to the present. **Same as** HIST 292. **Recommended background:** GWS 101 or GWS 102.

GWS 294 1–3 hrs.**Topics in Gender and Women's Studies**

Study of a problem, topic, or issue relevant to the interdisciplinary area of gender and women's studies. Content varies. May be repeated to a maximum of 9 hrs. **Prerequisite(s):** Consent of the instructor or one gender and women's studies course.

GWS 304 3 hrs.**Male-Female Communication**

Speech differences and universals across genders. Talk in male-female interaction. Communication in romantic relationships. Gender issues in work settings. **Same as** COMM 304. **Prerequisite(s):** COMM 101 and COMM 102 and COMM 201 and COMM 203; or approval of the department.

GWS 311 3 hrs.**Gender and Sexuality in Early Christianity and Judaism**

Examination of the root of contemporary perspectives on gender and sexuality in the early traditions of Judaism and Christianity including the Bible, the Epic of Gilgamesh, the Church Fathers, the Talmud, and legends of the saints. **Same as** JST 311 and RELS 311.

GWS 315 3 hrs.
Psychology of Women and Gender

Critical examination of research on women and gender across the life span, including psychological aspects of reproduction, and the way that gender shapes cognition, sexuality, family, friendship, and work experiences. **Same as PSCH 315.** **Prerequisite(s):** Grade of C or better in PSCH 242 or consent of the instructor.

GWS 356 3 hrs.
Constitutional Law: Women, Gender, and Privacy

A multidisciplinary examination of U.S. constitutional law and politics in shaping issues of gender, privacy, race, and sexual orientation; including reproduction, labor, sexual harassment, political participation, and women and crime. **Same as AAST 356 and POLS 356.** **Prerequisite(s):** Grade of C or better in POLS 101 or grade of C or better in POLS 112 or grade of C or better in AAST 100 or grade of C or better in AAST 103 or grade of C or better in GWS 101; or consent of the instructor.

GWS 361 3 hrs.
Gender Theory

Survey of theories of gender in culture. **Same as ENGL 361.** **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 101 or GWS 102; or consent of the instructor. **Recommended background:** ENGL 117.

GWS 362 3 hrs.
Queer Theory

Survey of theoretical concerns and historical issues that inform and shape the field of Queer Studies. **Same as ENGL 362.** **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 203; or consent of the instructor.

GWS 363 3 hrs.
Gender and Sexuality in Literature

A survey of works that take the status of gender and sexuality as one of their central thematic or aesthetic concerns. **Same as ENGL 363.** **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or GWS 101 or GWS 102; or consent of the instructor. **Recommended background:** ENGL 117.

GWS 390 3 hrs.
Feminism and Social Change

An examination of the historical development of feminist models of social change, as well as strategies of contemporary feminist activism. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** GWS 101 and GWS 102 and junior standing; or consent of the instructor.

GWS 394 3 hrs.
Intermediate Topics in Gender and Women's Studies

Study of a problem, topic, or issue relevant to the interdisciplinary area of gender and women's studies at the intermediate level. Content varies. May be repeated to a maximum of 12 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor or one course in gender and women's studies.

GWS 396 1-3 hrs.
Independent Study/Research

Independent study or research in specialized area of women's studies or gender-related scholarship. Extensive reading and individual research projects. May be repeated to a maximum of 9 hrs. Students may register in more than one section per term. **Prerequisite(s):** Junior standing and consent of the instructor.

GWS 403 3 OR 4 hrs.
Culture and Sexuality: Cultural History of Same-Sex Relations

Lesbian/gay studies; issues in the history of (homo)sexuality; cultural and historical analysis of same-sexuality in several periods, including our own. **Same as HIST 403.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing or consent of the instructor.

GWS 406 3 OR 4 hrs.
Politics of Race, Gender, and Class

Formation of social status categories, individual and collective identity construction, the mechanisms of group-based marginalization and stigmatization; relationship between social status categories. **Same as AAST 406.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** AAST 100 or GWS 102 or GWS 101; or graduate or professional standing; or consent of the instructor.

GWS 413 3 OR 4 hrs.
French Feminist and Gender Theory

An introduction to French theories of gender, including feminisms influenced by Lacanian psychoanalysis, political philosophy, and multicultural studies. **Same as FR 413.** 3 undergraduate hrs. 4 graduate hrs. May be used for credit in the French major only with consent of the director of undergraduate studies. Taught in English. Students who intend to use French 413 toward the Major in French must complete assignments in French. **Prerequisite(s):** FR 301 or FR 302; or consent of the instructor.

GWS 419 3 hrs.
Public Health Aspects of Sexuality and Women's Health

An overview of human sexuality from a public health view with special emphasis on family planning, sexuality, and behavior effects on women's health. **Same as CHSC 419.** **Prerequisite(s):** Graduate standing; or junior standing or above with consent of the instructor.

GWS 424 3 OR 4 hrs.
Gender, Crime, and Justice

An in-depth examination of the etiology of female crime and the involvement of females in the criminal justice system as offenders, victims, and workers/professionals. **Same as CLJ 424.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** CLJ 101 and CLJ 220; or consent of the instructor.

GWS 425 3 OR 4 hrs.
Sociology of Gender

Variety and change in gender roles; patterns and consequences of gender inequality; gender and sexuality; gender and social institutions such as family, economy. **Same as SOC 424.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** SOC 224, or any 100- or 200-level GWS course and an additional 200- or 300-level elective in sociology or gender and women studies; Junior standing or above; or graduate standing; or consent of the instructor.

GWS 428 3 OR 4 hrs.
Asian/Asian American Women in the Global Economy

Examines the racialization and feminization of a global division of labor and focuses primarily on Asian and Asian American women's participation and incorporation as workers and key actors in the development of the global economy. **Same as ASAM 428 and SOC 428.** 3 undergraduate hours; 4 graduate hrs. **Prerequisite(s):** ASAM 125 or ENGL 125 or SOC 125 or AAST 225 or LALS 225 or SOC 225 or ASAM 228 or ASST 228 or SOC 228 or ASAM 290 or two 200-level courses in either SOC, GWS or ASAM, or a combination of these.

GWS 439 3 OR 4 hrs.
Gender and Cultural Production

Issues of gender representation and gender politics examined through the use of theoretical texts or through the study of women authors. **Same as CEES 439 and GER 439.** 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) if topics vary. Taught in English. Students who intend to use GER 439/ GWS 439 toward a degree offered by the Department in Germanic Studies will do assignments in German. Area: Literature/Culture. **Prerequisite(s):** GER 212 or consent of the instructor.

GWS 441 3 hrs.
Introduction to Maternal and Child Health

Title V maternal and child health programs; concepts of delivery risks by age; effective interventions and public sector organization for delivery of MCH services. **Same as CHSC 441.** **Prerequisite(s):** Consent of the instructor. **Recommended background:** Some knowledge of maternal and child health issues.

GWS 443 3 OR 4 hrs.
Topics in Gender, Sexuality, and Literature

Specific study of topics in gender and literature. Content varies. **Same as ENGL 443.** 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or GWS 101 or GWS 102; and senior standing or above; or consent of the instructor.

GWS 444 3 OR 4 hrs.
Topics in Theories of Gender and Sexuality

Advanced study of topics related to theories of gender and sexuality. **Same as ENGL 444.** 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363 or GWS 101 or GWS 102; and senior standing or above; or consent of the instructor.

GWS 450 3 hrs.
Women and Mental Health Nursing

Theories of female psychology; women's daily lives and mental health; gender differences in mental illness; strategies for improving women's mental health. **Same as NUSC 450 and NUWH 450.** **Prerequisite(s):** Consent of the instructor. Students enrolled in the College of Liberal Arts and Sciences must have credit in PSCH 100 and either PSCH 270 or PSCH 315 or GWS 315.

GWS 462 3 OR 4 hrs.
AIDS, Politics, and Culture

Introduction to the study of AIDS as a medical, social, political, and cultural construction. Explores the epidemiology of AIDS, the politics of the state's response, how activists have addressed AIDS, and media representations of AIDS. **Same as HIST 462.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GWS 101 or GWS 102 or GWS 203 or GWS 214 and junior standing or above; or consent of the instructor.

GWS 469 3 OR 4 hrs.
Women's Literary Traditions

An exploration of issues such as the female aesthetic; women's popular literature; factors that enable creativity; differences of race and class. **Same as ENGL 469.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ENGL 361 or ENGL 362 or ENGL 363; and senior standing or above; or consent of instructor.

GWS 472 3 OR 4 hrs.
Women and Film

Roles and representations of women in classical Hollywood, European art, and independent feminist cinemas. **Same as AH 434 and ENGL 472.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ENGL 302 or ENGL 342 or ENGL 361 or ENGL 362 or ENGL 363; and senior standing or above; or consent of instructor.

GWS 478 3 OR 4 hrs.
Women in Chinese History
Focuses on scholarship on women in Chinese society throughout history, dealing with topics such as marriage and family, literacy, career options, women in revolution, and the historiography of the field. **Same as ASST 478 and HIST 478.** 3 undergraduate hrs. 4 graduate hrs. **Recommended background:** Previous course work in Chinese history or women's studies.

GWS 484 3 OR 4 hrs.
Topics in the History of Women
Specific topics are announced each term. **Same as HIST 484.** 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history or gender and women's studies or consent of the instructor.

GWS 485 3 OR 4 hrs.
Gender and Politics
Impact of gender on basic categories of western political thought. Distinctions between reason and emotion, public and private, among others, examined from feminist perspective. **Same as POLS 485.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** POLS 190 and one 200-level course in political theory; or consent of the instructor.

GWS 490 3 OR 4 hrs.
Advanced Topics in the Study of Sexuality
Special study at an advanced level of a topic concerning sexuality. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of gender and women's studies, or consent of the instructor.

GWS 494 3 OR 4 hrs.
Advanced Topics in Gender and Women's Studies
Specialized study of a problem, topic or issue relevant to the interdisciplinary area of gender and women's studies at the advanced level. Content varies. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** Senior or graduate standing.

Geography

GEOG 100 3 hrs.
Concepts in Geography
Geographic concepts drawn from the areas of cultural, urban/economic, physical, and regional geography. *Individual and Society, and World Cultures course.*

GEOG 101 3 hrs.
World Regional Geography
Culture areas of the world; regional patterns of the utilization of resources; global, cultural, economic, and political variations. *Individual and Society, and World Cultures course.*

GEOG 141 3 hrs.
Environmental Geography
Survey of the state of the global environment, the measurement of its condition, and prospects for the future. *Individual and Society course.*

GEOG 151 4 hrs.
Introduction to Cultural Geography
Spatial patterns concerning human origin, divergence and convergence in historical perspective. Special reference to humans and the landscapes they create through their attitudes, objectives and technical skills. *Individual and Society, and World Cultures course.*

GEOG 161 3 hrs.
Introduction to Economic Geography
Geographies of primary, secondary, and tertiary activities, environmental and spatial bases of production, distribution and consumption, current and evolving patterns of land use and urbanization. *Individual and Society, and World Cultures course.*

GEOG 175 4 hrs.
The Making of Maps
Roles of mapping in selected historical and contemporary human endeavors, including navigation, exploration, governmental activities, resource development, and communication. Maps as reflections of need and technology.

GEOG 202 3 hrs.
Geography of the United States and Canada
Environmental conditions, natural resources, and cultural patterns within the two countries; focus on the physical landscapes, human occupancy and interregional linkages of selected subareas. *Individual and Society, and U.S. Society course.*

GEOG 203 3 hrs.
Human Geography of Latin America including the Caribbean Region
Culture, settlement, political and economic development problems in Latin America, with special attention to Puerto Rico, the Caribbean Region, and Mexico. **Same as LALS 217.** *Individual and Society, and World Cultures course.*

GEOG 204 3 hrs.
Geography of East, Southeast, and South Asia
Focuses on the cultural, political, and economic expressions of place in Asia and the complex blend of environment and development, ethnicity and policy, and cooperation and disassociation. **Recommended background:** GEOG 100 or GEOG 101.

GEOG 206 3 hrs.
Geography of the CIS (formerly the USSR)
Physical and cultural landscapes; regional analysis of resources and economy; the geographic basis of the area's role in world affairs.

GEOG 207 3 hrs.
Ancient Civilizations of Mexico and Central America
Analysis and interpretation of the archaeological evidence on the process of development of native civilization in the Mesoamerican area from the beginnings of agricultural settlement to the eve of the Spanish conquest. **Same as ANTH 227 and LALS 258.** **Prerequisite(s):** ANTH 102; or sophomore standing or above; or consent of the instructor.

GEOG 211 3 hrs.
Chicago: An Urban Geography
A geographic overview of the Chicago metropolitan region: physical geography, transportation connections, economy, trade territory, and patterns of settlement and land use. Field trips are required. *Individual and Society, and U.S. Society course.*

GEOG 215 3 hrs.
A Global Geography of Cities
Comparative urbanization. Development and pattern of world urbanization; causes and consequences; spatial articulation of political and economic power in the developed and third worlds. **Prerequisite(s):** GEOG 100 or GEOG 161 or GEOG 211. *Individual and Society, and World Cultures course.*

GEOG 241 3 hrs.
Resource Problems in the United States
Problems of U.S. water, air, and land management; resource demand and supply; pollution problems; agencies involved in monitoring resources. **Prerequisite(s):** GEOG 100 or GEOG 101 or GEOG 141 or GEOG 151 or GEOG 161 or consent of the instructor. *Individual and Society, and U.S. Society course.*

GEOG 251 3 hrs.
Mind and Environment
How humans perceive and appraise conditions and act spatially in the macroenvironment. Environmental learning and behavior in young children. Ethnogeography and environmental perception.

GEOG 273 3 hrs.
Ethnography of Southeast Asia
Survey of selected cultures of mainland Southeast Asia, with emphasis on cultural ecology, tribal formation, and nationalism. **Same as ANTH 273.** *Individual and Society, and World Cultures course.*

GEOG 275 3 hrs.
History of Cartography
Development of cartography from primitive charts to the space age. Major contributions examined as components leading to present technology. **Prerequisite(s):** GEOG 100 or GEOG 175.

GEOG 276 4 hrs.
Cartographic Techniques
Introduction to the practice of cartographic display of areal data. Topics include map characteristics, symbolization, and map preparation.

GEOG 278 4 hrs.
An Applications Approach to Computer Cartography
Selected problems and practices of cartographic display cast in contexts of advantages and limitations confronting map makers using computers. **Prerequisite(s):** GEOG 175 or declared Geography major or consent of the instructor.

GEOG 361 3 hrs.
Areal Organization of Economic Activity
Spatial conditions of economic activity with applications to growth and development of selected geographical areas; transportation impacts on resource exploitation, manufacturing and distribution, and consumers. **Prerequisite(s):** GEOG 100 or GEOG 101; and GEOG 161 or GEOG 241.

GEOG 386 3 hrs.
Elements of Spatial Analysis
Implications of geographic concerns for data gathering and analysis. Spatial sampling and weighting of areal data. Reconciling record and zone inconsistencies when merging data from several sources. **Same as ANTH 386.** **Prerequisite(s):** Consent of the instructor.

GEOG 395 1-3 hrs.
Special Studies in Geography
Readings and reports in selected fields chosen in consultation with the instructor. **Prerequisite(s):** Consent of the instructor.

GEOG 399 1-3 hrs.
Undergraduate Thesis
Required for graduation with departmental distinction. Individual research under the supervision of a faculty member. **Prerequisite(s):** A 3.66 grade point average in geography courses counted toward the major, and consent of the advisor. Completed application form must be submitted to the director of undergraduate studies prior to enrollment. Open only to departmental majors.

GEOG 401 3 OR 4 hrs.
Topics in Regional Geography
Geographic analysis of cultural and environmental systems of a political, economic, or climatic region of the world as defined by the instructor. 3 undergraduate hrs. 4 graduate hrs. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** One upper-division course in each of the areas of skills, systematic and regional/urban geography.

GEOG 418 3 OR 4 hrs.
Ethnographic and Qualitative Research Methods

Practical introduction to the techniques of social scientists for research in natural social settings: participant observation/non-participant observation, interviewing, use of documentary sources, etc. **Same as ANTH 418.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing or above.

GEOG 425 4 hrs.
Field Techniques in Archaeology

Exposure to field methods in archaeology through participation in an actual research project. Students are instructed in field excavation techniques. Usually offered in summer session. **Same as ANTH 425.** May be repeated to a maximum of 8 hrs. **Prerequisite(s):** ANTH 102 or consent of the instructor. **Recommended:** Concurrent registration in ANTH 426 or GEOG 426.

GEOG 426 4 hrs.
Laboratory Techniques in Archaeology

Exposes students to laboratory methods in archaeology through the analysis of excavated materials. Students are instructed in laboratory techniques. **Same as ANTH 426.** May be repeated to a maximum of 8 hrs. **Prerequisite(s):** ANTH 102 or consent of the instructor. **Recommended:** Concurrent registration in ANTH 425 or GEOG 425.

GEOG 429 3 OR 4 hrs.
Archaeological Methods

This course will familiarize students with various methodologies used by archaeologists and geoarchaeologists. Course will concentrate on a different method each time it is taught. Course information: **Same as ANTH 429.** 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s). Students may register for more than one section per term.

GEOG 431 3 OR 4 hrs.
Advanced Landform Geography

Genesis of surficial landforms and processes that sculpt them. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 131 or EAES 101 or consent of the instructor.

GEOG 432 3 OR 4 hrs.
Geomorphology and Archaeology

Relevance of geomorphic processes and landform development to archaeology; role of geomorphology in archaeological surveys, paleogeographic reconstruction, and archaeological interpretation. Elements of geoarchaeology. **Same as ANTH 421.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 131 or EAES 101 or consent of the instructor.

GEOG 441 3 OR 4 hrs.
Topics in Resource Management and Policy

Selected topics dealing with environmental problems at local, regional, or global levels. Topics vary. 3 undergraduate hrs. 4 graduate hrs. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** GEOG 341 or GEOG 361 or consent of the instructor.

GEOG 442 3 OR 4 hrs.
Environmental Hazards and Risks

Environmental risks of natural and technological hazards; causes and consequences to people; social theories of risks; coping mechanisms used to reduce risk. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 251 or GEOG 441 or consent of the instructor.

GEOG 444 3 hrs.
Management of Solid and Hazardous Wastes

Management of solid and hazardous waste, including radioactive waste: landfills, incineration, recycling, composting, source reduction, groundwater and air pollution impacts, control, regulations, siting, health impacts. **Same as CME 423 and EOHS 472.**

GEOG 453 3 OR 4 hrs.
Seminar in Cultural Ecology

Cultural ecology and cultural evolution, emphasizing peasant farming and other subsistence systems. Soil management under shifting and sedentary agriculture. **Same as ANTH 453.** 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ANTH 101 or GEOG 151 or consent of the instructor.

GEOG 455 3 OR 4 hrs.
Quantitative Methods

Introductory statistics course in statistical methods for anthropological problem solving. Primary emphasis is on univariate and bivariate statistics, such as means standard deviations, correlation, chi square, t-tests, and simple regressions. **Same as ANTH 455.** 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. **Prerequisite(s):** Junior standing or above; and consent of the instructor.

GEOG 461 3 OR 4 hrs.
Location and Land Use

Environmental, demographic, and institutional influences on land availability/use at global/local scales; geographies of production/use intensity; market/governmental controls over land/users. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 361 or consent of the instructor.

GEOG 464 3 OR 4 hrs.
Geographic Modeling of Transportation Systems

Discussions of the principles of spatial interaction, emphasizing passenger movements, commodity flows, the practicality of network analysis, and the impact of

transportation facilities on land use and regional development. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 100 and GEOG 161.

GEOG 470 6 hrs.
Educational Practice with Seminar I

The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.

Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

GEOG 471 6 hrs.
Educational Practice with Seminar II

The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.

Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in GEOG 470, and approval of the department.

GEOG 475 4 hrs.
Thematic Cartography

Discussion and projects involving representation of real-world areal patterns; preservation of geodetic, locational and informational relationships; information generalization and reconstruction; computer software, and programs for computer-assisted cartography. **Prerequisite(s):** GEOG 276 or GEOG 278 or consent of the instructor.

GEOG 477 4 hrs.
Remote Sensing of the Environment

Principles and practices of processing and interpretation of remotely sensed imagery, including aerial photographs, radar, and multispectral satellite images. Hands-on use of image-processing software. **Same as ANTH 477.** Extensive computer use required.

GEOG 478 4 hrs.
Mapping with Microcomputers

Microcomputer applications including computer principles for mapping, alternative design for coordinate files, kinds of devices for mapping, direct control of devices for mapping, characteristics and limitations of mapping programs. **Same as ANTH 484.** **Prerequisite(s):** GEOG 475 or consent of the instructor.

GEOG 481 4 hrs.
Geographic Information Systems I

Components and performance properties of geographic information systems. Geographic hierar-

chies and data structures.

Problems and solutions in handling large geographic files. Geocoding. **Same as ANTH 481.** **Prerequisite(s):** GEOG 100 and one from GEOG 278, GEOG 386, IDS 100; or consent of the instructor.

GEOG 482 4 hrs.
Geographic Information Systems II

Application of raster- or grid-based geographic information systems to the spatial analysis of landscapes. **Same as ANTH 482.**

GEOG 483 4 hrs.
Geographic Information Systems III

Problems encountered in the analysis and portrayal of geographic data. Topics include taxonomy, regionalization, trend surface analysis, time series, markov probabilities, and computer cartographic procedures for displaying output from analytic procedures. **Same as ANTH 483.** **Prerequisite(s):** GEOG 482 or ANTH 482 or consent of the instructor.

GEOG 484 3 OR 4 hrs.
Qualitative Methods in Geographic Research

Use of qualitative methods in geographic research. Research design choices, data collection and analysis, writing. Applications in environmental and urban geography. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GEOG 481 or Geography major or minor or consent of instructor.

GEOG 485 4 hrs.
Computer Cartography

The fundamentals of cartography and cartographic design. The use of state-of-the-art, Windows-based computer mapping software for querying and displaying cartographic data contained in GIS databases. **Same as ANTH 485.**

GEOG 486 4 hrs.
Analysis of Geographic Patterns

Analytical methods for evaluating arrangements of points, lines, and subareas across regions. Development of noncentral measures of spatial association as an alternative to correlation analysis. **Prerequisite(s):** GEOG 482 or consent of the instructor.

GEOG 491 3 OR 4 hrs.
History and Philosophy of Geography

The philosophy of geography, its theory, and research techniques. Analysis of bibliographic sources; criticism of papers on assigned topics. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Declared major or minor in Geography; or consent of the instructor.

GEOG 496 1–4 hrs.**Internship**

Professional field experience with an agency or organization in the private or public sector on projects related to the student's area of specialization. **Same as** ANTH 496. May be repeated to a maximum of 8 hrs. Only 4 hours of credit may be applied toward the Minor in Geography. **Prerequisite(s):** Declared Major in Anthropology, Minor in Geography or full graduate standing in Anthropology or Geography and consent of the faculty advisor, head of the department, or the director of internship programs.

Germanic Studies**GER 100 3 hrs.****Introduction to Germanic Cultures and Literatures**

Introductory texts on culture and literature of German-speaking countries are studied in the context of their European and international significance. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts, and World Cultures course.*

GER 101 4 hrs.**Elementary German I**

Introductory exposure to language and culture of German-speaking countries with use of current materials. Credit is not given for GER 101 if the student has credit for GER 106. **Prerequisite(s):** For students who have not studied German or placement as determined by test score.

GER 102 4 hrs.**Elementary German II**

Continuation of GER 101. Increased exposure to language and culture of German-speaking countries, with use of current materials. Credit is not given for GER 102 if the student has credit for GER 106. **Prerequisite(s):** Grade of C or better in GER 101; or appropriate score on the department placement test.

GER 103 4 hrs.**Intermediate German I**

Continuation of GER 102 or GER 106. Intensive exposure to the language and culture of German-speaking countries, with use of current materials. Credit is not given for GER 103 if the student has credit for GER 107. **Prerequisite(s):** Grade of C or better in GER 102 or grade of C or better in GER 106; or appropriate score on the department placement test.

GER 104 4 hrs.**Intermediate German II**

Continuation of GER 103. Final intensive exposure to the language and culture of German-speaking countries, with use of current materials. Credit is not given for GER 104 if the student has credit for GER 107.

Prerequisite(s): Grade of C or better in GER 103; or appropriate score on the department placement test.

GER 106 8 hrs.**Intensive Elementary German**

Accelerated course, including intensive exposure to language and culture of German-speaking countries with use of current materials. Credit is not given for GER 106 if the student has credit for GER 101 or GER 102. Equivalent to GER 101 and GER 102 combined.

Prerequisite(s): For students who have not studied German or placement as determined by test score.

GER 107 8 hrs.**Intensive Intermediate German**

Accelerated course, including intensive exposure to language and culture of German-speaking countries, with use of current materials. Credit is not given for GER 107 if the student has credit for GER 103 or GER 104. Equivalent to GER 103 or GER 104 combined. **Prerequisite(s):** Grade of C or better in GER 106; or appropriate score on the department placement test.

Recommended background:

Grade of B or better in GER 102 or grade of B or better in GER 106.

GER 120 3 hrs.**Study of Gender, Class, and Political Issues in German Texts**

Portrayal of relationships between men and women, classes, and political interest groups in German literature. **Same as** GWS 120. No credit toward a major or minor program offered by the Department of Germanic Studies. Readings, lectures, and discussions in English. *Individual and Society, and World Cultures course.*

GER 122 3 hrs.**Minority Perspectives in the Germanic Context**

Investigation of the challenges and/or opportunities of multicultural societies by examining in a sociohistorical context texts created by members of Europe's ethnic, religious, and national minorities. **Same as** JST 122. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts, and World Cultures course.*

GER 123 3 hrs.**Introduction to Yiddish Culture and Literature**

Yiddish culture in Europe and the U.S. in sociohistorical context. Focus on the role of Yiddish in conceptions of secular, cultural, religious, national Jewish identities. **Same as** JST 123.

No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts, and World Cultures course.*

GER 125 3 hrs.**Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film.**

Literature and films on European Jewish responses to anti-Semitism and persecution in a historical context to reveal the condition of post-Enlightenment German-speaking Jewish and Yiddish-speaking societies. **Same as** JST 125. No credit toward a major or minor program offered by the Department of Germanic Studies. Taught in English. *Past, and World Cultures course.*

GER 161 3–16 hrs.**German Language Studies**

A four-week summer course taken in a German-speaking country. May be repeated to a maximum of 16 hrs.

Prerequisite(s): Approval of the department.

GER 211 3 hrs.**Advanced German I**

Advanced training on effective communication, reading, and writing strategies based on authentic written and oral texts. Emphasis on refining accuracy of expression. Area: language. **Prerequisite(s):** GER 104 or GER 107 or the equivalent.

GER 212 3 hrs.**Advanced German II**

Advanced training on effective communication, reading, and writing strategies based on authentic written and oral texts. Emphasis on refining accuracy of expression. Area: language. **Prerequisite(s):** GER 211 or the equivalent.

GER 214 3 hrs.**German Conversation and Pronunciation**

Focuses on developing and refining effective communication skills by emphasizing pronunciation, idiomatic expressions, and monitoring grammatical errors. May be repeated. Area: language. **Prerequisite(s):** GER 104 or GER 107 or the equivalent.

GER 215 3 hrs.**Business German**

Practical vocabulary and oral and written communication for business and industry. Area: language or culture. **Prerequisite(s):** GER 104 or GER 107 or the equivalent.

GER 217 4 hrs.**German Cinema**

German cinema as communication and art; its production, reception and ideological perspectives. Taught in English. No knowledge of German required. Area: literature/culture. *Creative Arts, and World Cultures course.*

GER 218 3 hrs.**Opera in Germanic Cultures: From Mozart to Berg**

Major social and cultural developments and trends in the history of opera in Germany and Austria with emphasis on the development of European national identities. Taught in English. No knowledge of German required. Students who intend to use GER 218 toward an undergraduate major or minor in the Department of Germanic Studies will do assignments in German. Area: literature/culture. **Prerequisite(s):** For majors and minors in the Department of Germanic Studies only: GER 211. *Creative Arts, and Past course.*

GER 219 3 hrs.**Vikings and Wizards: Northern Myth and Fairy Tales in Western Culture**

Investigation of fairy tales and myths and their contribution to societal structure. The focus is on the meaning and influence of Germanic myths and fairy tales. Taught in English. Area: literature/culture. No knowledge of German required. Students who intend to use GER 219 toward an undergraduate major or minor in the Department of Germanic Studies will do assignments in German. *Creative Arts, and Past course.*

GER 240 3 hrs.**Classical German Thought from Kant to Nietzsche**

A survey of classical German thought from Kant through Nietzsche. Area: literature/culture. Lectures, discussion, and readings in English. No knowledge of German required. Students who intend to use GER 240 toward an undergraduate major or minor in the Department of Germanic Studies will do assignments in German. *Individual and Society, and Past course.*

GER 290 3 hrs.**Introduction to Germanic Literature**

Focus on texts of different time periods and genres, with emphasis on developing techniques for analyzing literature in its historical context. Area: literature/culture. Taught in German. **Prerequisite(s):** GER 211; or consent of the instructor.

GER 299 0–17 hrs.**Germanic Study Abroad**

Provides credit for foreign study in German-speaking countries. Proposal for Study Abroad must have prior approval of Department of Germanic Studies and College of Liberal Arts and Sciences. Final determination of credit made upon completion of work. May be repeated. May be repeated for a maximum of 34 hours of credit per academic year. **Prerequisite(s):** Sophomore standing or above; and approval of the department and approval of the College of Liberal Arts and Sciences. In exceptional cases students may be permitted to take this course after the first freshman semester. Students must be in good academic standing.

GER 300 1 hr.
Writing in the Study of German

Perfecting skills of written self-expression in English. **Prerequisite(s):** Junior or senior standing and approval of the department. Must be taken concurrently with a literature or culture course that receives credit toward a major offered by the Department of Germanic Studies, as specified in the Schedule of Classes. Restricted to majors and minors in the Department of Germanic Studies.

GER 310 3 hrs.
Practice in German Language Skills

Develops advanced communicative language skills. May be repeated. Only majors and minors outside the Department of Germanic Studies may repeat this course for a maximum of 6 hours of credit. Area: language. **Prerequisite(s):** GER 212 or the equivalent.

GER 311 3 hrs.
Contemporary German Culture and Society

Exploring texts, films, and other media sources in the areas of politics, science, technology, arts, commerce, and popular culture in German-speaking countries. Area: literature/culture. **Prerequisite(s):** GER 211 or the equivalent.

GER 315 3 hrs.**Advanced Business German**

Extensive practice in the writing of business correspondence and formal presentations. **Prerequisite(s):** GER 211; and GER 215; and sophomore standing or above; or consent of the instructor.

GER 316 3 hrs.
Periods of Germanic Literature and Culture

The study of literary works and other texts representative of a historical period. May be repeated to a maximum of 9 hours if topics vary. Students may register in more than one section per term. Taught in English. Area: literature/culture.

GER 318 3 hrs.**Topics in Germanic Literatures and Cultures**

Prominent persons, genres, themes, or movements in the areas of Germanic literature, ideas, and art. Topics vary. May be repeated to a maximum of 9 hours if topics vary. Area: literature/culture. **Prerequisite(s):** GER 211 or the equivalent.

GER 333 3 hrs.
Topics in Genres in Germanic Studies

The study of genres, such as novel, drama, poetry, autobiography, philosophy; and critical reflections on the genre. May be repeated to a maximum of 9 hours if topics vary. Students may register in more than one section per term. Area: literature/culture. **Prerequisite(s):** GER 211 or the equivalent.

GER 370 3 hrs.
Introduction to the Theory and Practice of German Cultural Studies

Introduction to the field of Germanic studies; theoretical approaches and methods; overview of literature; perspectives of German-speaking cultures. Area: literature/culture. **Prerequisite(s):** GER 211 or the equivalent.

GER 398 3 hrs.
Honors Project

Independent study. May not be taken in the term in which student expects to graduate. **Prerequisite(s):** Completion of 12 hours of courses toward the major, with a grade point average of at least 3.60 in these courses, and prior approval of the department. Restricted to majors in the Department of Germanic Studies.

GER 399 1–3 hrs.
Independent Study

Individual study under faculty direction for qualified students with special interests and needs not met by regularly offered courses. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

GER 400 3 OR 4 hrs.
German for Reading Knowledge

Preparation for the Graduate Proficiency Exam. Basic components of German grammar, sentence structure, and vocabulary. Selected texts in humanities, social sciences, and natural sciences. 3 undergraduate hrs. 4 graduate hrs. Credit may not be applied toward a degree or minor offered by the Department of Germanic Studies. Does not satisfy the graduation requirement in foreign languages.

GER 401 3 OR 4 hrs.
Advanced Practice in German Language Skills

Communicative use of German techniques for understanding written and spoken texts, practicing conversation and writing

texts, such as essays, compositions, letters, and e-mail. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Only majors and minors outside the Department of Germanic Studies may repeat this course for a maximum of 6 hours of credit. Area: language. **Prerequisite(s):** GER 212, or the equivalent. **Recommended background:** Credit or concurrent registration in GER 310.

GER 404 3 OR 4 hrs.
Yiddish for Reading Knowledge

Preparation for the Graduate Proficiency Exam. Basic components of Yiddish grammar, sentence structure, and vocabulary. Selected texts in the original language will be studied. 3 undergraduate hrs. 4 graduate hrs. Does not satisfy the graduation requirement in foreign languages. **Prerequisite(s):** GER 211; or consent of the instructor or graduate standing.

GER 407 3 OR 4 hrs.
Theoretical and Research Foundations of Communicative Language Teaching

Focuses on theory and practice of communicative language teaching and explores current approaches of task-based instruction, testing, and media-enhanced instruction. 3 undergraduate hrs. 4 graduate hrs. Taught in English. Pedagogical examples are in German. Ten hours of high school observation required. Area: language. **Prerequisite(s):** GER 212 or the equivalent.

GER 408 3 OR 4 hrs.
Introduction to Translation Theory

The study of translation theory and its application to translating German texts of various types into English. Appropriate for students who want to become translators. 3 undergraduate hrs. 4 graduate hrs. Area: language. **Prerequisite(s):** GER 212 or the equivalent, or graduate standing.

GER 411 3 OR 4 hrs.**The City as Cultural Focus**

Interdisciplinary study of urban culture with focus on German-speaking countries. **Same as** CEES 411. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s). Taught in English. No knowledge of German required. Students who intend to use GER 411 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. **Prerequisite(s):** For majors and minors in the Department of Germanic Studies only: GER 212 or the equivalent or consent of the instructor.

GER 420 3 OR 4 hrs.
Germanic Cultural Studies I: Genres

Concentration on a genre, with stress on cultural analysis and theoretical inquiry. 3 undergrad-

uate hrs. 4 graduate hrs. May be repeated up to 2 time(s) if topics vary. Students who intend to use GER 420 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. **Prerequisite(s):** GER 212 or consent of the instructor.

GER 421 3 OR 4 hrs.
Germanic Cultural Studies II: Authors, Movements, Periods

Critical analysis of texts in the biographical, social, cultural, and historical context. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s) if topics vary. Students who intend to use GER 421 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. **Prerequisite(s):** GER 212 or consent of the instructor.

GER 422 3 OR 4 hrs.
Germanic Cultural Studies III: Themes

Explores themes in German-speaking societies, such as the family, xenophobia, crime, and science, with stress on literary analysis and interpretation. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 2 time(s) if topics vary. Students who intend to use GER 422 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. **Prerequisite(s):** GER 212 or consent of the instructor.

GER 430 3 OR 4 hrs.**Classical German Philosophy**

Introduction to German philosophy and intellectual history through the critical analysis of major authors and texts. **Same as** CEES 430. 3 undergraduate hrs. 4 graduate hrs. Taught in English. Area: literature/culture. **Prerequisite(s):** One 300-level course in Germanic Studies or consent of the instructor.

GER 437 3 OR 4 hrs.
Contemporary German Literature

Literature of the German-speaking world since World War II, with emphasis on current issues and recent critical approaches to literature. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) if topics vary. Area: literature/culture. **Prerequisite(s):** GER 211 or the equivalent, or graduate standing or consent of the instructor.

GER 438 3 OR 4 hrs.
The Faust Legend

Discusses Goethe's Faust within the context of European and non-European literatures. Traces the origins, significance, and interpretation of the Faust figure. **Same as** CEES 438. 3 undergraduate hrs. 4 graduate hrs. Taught in English. Area: literature/culture.

GER 439 3 OR 4 hrs.
Gender and Cultural Production

Issues of gender representation and gender politics examined through the use of theoretical texts or through the study of women authors. **Same as** CEES 439 and GWS 439. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) if topics vary. Taught in English. Students who intend to use GER 439 toward a degree offered by the Department of Germanic Studies will do assignments in German. **Area:** literature/culture. **Prerequisite(s):** GER 212 or consent of the instructor.

GER 448 3 OR 4 hrs.
Foundations of Second Language Teaching

Provides an introduction to second language acquisition research and its implications for communicative language teaching. Emphasis is on creating activities to develop high school students' communicative abilities in speaking and listening. **Same as** FR 448 and SPAN 448. 3 undergraduate hrs. 4 graduate hrs. Taught in English. **Prerequisite(s):** Junior standing or above; and consent of the instructor and three courses at the 200- and 300-levels.

GER 449 3 OR 4 hrs.
Teaching Second Language Literacy and Cultural Awareness

Examines the nature of literacy as a reciprocal relationship between readers, writers, texts, and culture. Students learn the practical and theoretical foundations of classroom teaching of second language reading and writing skills. **Same as** FR 449 and SPAN 449. 3 undergraduate hrs. 4 graduate hrs. Taught in English. **Prerequisite(s):** Junior standing or above; and consent of the instructor.

GER 450 3 OR 4 hrs.
Business Operations in German-Speaking Countries

The political, cultural, historical, and economic environment in which business operates in the German-speaking countries; the effects of this environment on international business. 3 undergraduate hrs. 4 graduate hrs. Knowledge of German not required.

GER 461 0–17 hrs.
German Abroad

Taken in a German-speaking country. Lectures, seminars, and practical work in German language, literature, and civilization. May be repeated to a maximum of 34 hrs. **Prerequisite(s):** GER 104 or the equivalent, a 2.75 overall grade point average, a 3.00 grade point average in Germanic Studies, and approval of the department.

GER 470 3 OR 4 hrs.
Exploring the Field of Germanic Studies

Team-taught. Research in film studies, gender studies, Jewish culture, minorities, literary stud-

ies, intellectual history, applied linguistics in Germanic Studies. Each unit taught by a different faculty member from Department of Germanic Studies. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Undergraduate students must obtain approval of the department.

GER 480 3 OR 4 hrs.
Hegel Studies

Studies in the philosophy of Hegel, including principal texts (e.g. Phenomenology), or problems (e.g. critique of metaphysics), or comparative studies (e.g. Hegel's critique of Kant). 3 undergraduate hrs. 4 graduate hrs. May be repeated if topics vary. Taught in English. **Area:** literature/culture. **Prerequisite(s):** GER 430; or consent of the instructor. **Recommended background:** PHIL 224 or PHIL 425.

GER 487 3 OR 4 hrs.
Computer-Assisted Language Learning

An introduction to computer-assisted language learning (CALL): the use of computer technology in second language reading and research. The effectiveness of CALL technology is assessed based on SLA theory and research studies. **Same as** LING 487 and SPAN 487. 3 undergraduate hrs. 4 graduate hrs. Taught in English. Extensive computer use required. **Prerequisite(s):** LING 483 or CI 483 or GER 448 or FR 448 or SPAN 448 or GER 449 or FR 449 or SPAN 449; or SPAN 502 or FR 502 or the equivalent; and senior standing or above.

GER 492 0–12 hrs.
Internship in International Business

Student placement in an international organization or firm in a German-speaking country or its U.S. subsidiary or division. Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the department. **Prerequisite(s):** GER 211; and consent of the instructor and a GPA of 2.00. **Recommended background:** Concurrent registration in GER 493 or registration in GER 493 in the semester immediately following.

GER 493 1–4 hrs.
Internship Seminar: Business

Academic component of the internship experience. Studies in the field of the internship and further investigation of related topics. May be repeated with approval. Approval to repeat course granted by the department. A maximum of 3 hours of credit may be applied toward an undergraduate degree offered by the Department of Germanic Studies, and a maximum of 4 hours of credit may be applied toward a graduate degree offered by the Department of Germanic Studies. **Prerequisite(s):** GER 211 and credit or concurrent registration in GER 492 and consent of the instructor and a grade point average of 2.00.

GER 494 6 hrs.
Educational Practice with Seminar I

The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

GER 495 6 hrs.
Educational Practice with Seminar II

The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in GER 494, and approval of the department.

Guaranteed Admissions Medicine**GAMD 200 1 hr.**
GPPA Special Topics in Medicine

Exploration of the interplay of scientific foundations of medicine, the skills of the physician-patient interaction, and the necessary use of emerging medical technologies. May be repeated for credit. Students may register for more than one section per term with the approval of the College of Medicine.

Health Information Management**HIM 317 4 hrs.**
Principles of Health Information Management

Introduction to the data elements that comprise the patient's health record. Includes data collection, processing and records management. Lab practice.

HIM 319 4 hrs.
Alternative Health Records

Health information systems in alternative care settings, including records management, quality assessment, and special registries for diagnoses and other patient care classifications. Directed practice. **Prerequisite(s):** HIM 310 and HIM 317.

HIM 320 2 hrs.
Technical Affiliation

Orientation to health information management practice via assignments in affiliated institution's medical record departments. **Prerequisite(s):** HIM 317.

HIM 329 3 hrs.
Legal Aspects of Health Information Management

Principles of law, confidentiality, and ethics, and their application in the healthcare field with particular reference to health records.

HIM 337 4 hrs.
Analysis of Healthcare Data

Healthcare and research statistics including data display. Collection, evaluation, and interpretation of healthcare data will be covered. Includes a laboratory section.

HIM 343 3 hrs.
Quality Evaluation and Management

Examination of processes, internal and external to an organization, used to measure, evaluate, and improve the quality, efficiency and effectiveness of healthcare. Directed practice. **Prerequisite(s):** HIM 310 and HIM 317 and HIM 329.

HIM 361 4 hrs.
Human Resources Management

Emphasis on personnel management, including hiring, discipline, union relations, inservice education, productivity measurement. Students develop and present an inservice program. **Prerequisite(s):** Consent of the instructor.

HIM 367 3 hrs.
Systems Analysis

Fundamentals and tools of systems analysis. Students participate in a systems analysis project for directed practice experience. Focus on healthcare computer applications and facilities design and layout. **Prerequisite(s):** Completion of 44 semester hours of health information management course work.

HIM 374 3 hrs.
Health Information Research

Student research project applying research principles and methodology to clinical data. Use of statistical software in laboratory section. Presentation of findings in written articles and oral presentation. **Prerequisite(s):** HIM 337.

HIM 377 2 hrs.
Current Issues in Health Information Management

Discussion of current issues relevant to the health information management profession. **Prerequisite(s):** Completion of 44 semester hours of health information management course work or consent of the instructor.

HIM 384 5 hrs.
Clinical Practicum

Supervised management activities in an affiliated healthcare facility allowing the student to develop insight, understanding, and skill in medical record/health information practices, procedures, and administration. **Prerequisite(s):** Completion of 44 semester hours of health information management course work or consent of the instructor.

HIM 386 1–5 hrs. Independent Study

An optional course where students perform lab work, fieldwork, and/or in-depth descriptive studies regarding topics related to health information management. May be repeated to a maximum of 5 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor and enrollment in Health Information Management or Health Informatics program.

HIM 410 3 hrs. Introduction to the Healthcare System

Overview of the U.S. Health Services System, including its organization and management, economic support system, health-care workforce, and delivery system. Previously listed as HIM 310. Extensive computer use required. Meets eight weeks of the semester. Taught partially or fully online. Students must have an active UIC netid with valid password and access to a computer and the Internet.

HIM 432 3 hrs. Coding and Classification Systems

Introduction to nomenclatures and classification systems with an emphasis on the ICD-9-CM coding system. Other selected systems also discussed. Previously listed as HIM 332. Extensive computer use required. Meets eight weeks of the semester. Taught partially or fully online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** BHIS 405 and HIM 451.

HIM 433 4 hrs. Coding and Reimbursement Systems

ICD-9-CM coding for reimbursement, CPT-4/HCPSC coding, data quality management and management reporting. Previously listed as HIM 333. Extensive computer use required. Meets eight weeks of the semester. Taught partially or fully online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** BHIS 405 and HIM 432.

HIM 451 4 hrs. Health Information Management Theory and Practice

Introduction to the data elements and health information systems that comprise the patient's health record in acute and alternative settings, including records management and registries. Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** Credit or concurrent registration in HIM 410 or equivalent experience.

HIM 452 4 hrs. Quality Management and Data Analysis

Examination of processes used to measure and improve the quality and effectiveness of healthcare, including healthcare and research statistics and data display. Extensive computer use required. Fieldwork required. Meets eight weeks of the semester. Taught online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** HIM 410 and HIM 451 and HIM 454.

HIM 453 4 hrs. Principles of Management and Human Resources

Principles of management with emphasis on business functions, procedures, personnel management, workforce development and productivity measurements as applied to healthcare settings. Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC netid with valid password and access to a computer and the Internet.

HIM 454 3 hrs. Legal Aspects, Risk Management, and Security of Health Information

Principles of law, confidentiality, and ethics, and their application to health records, including risk management and security in clinical information systems. Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** BHIS 460.

HIM 455 4 hrs. Health Information Systems Analysis and Design

Advanced topics in information technology and systems in healthcare. Collection, analysis, and management of healthcare data. Fundamentals and tools of systems analysis and design. Extensive computer use required. Fieldwork required. Meets eight weeks of the semester. Taught online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** BHIS 460 and HIM 454.

HIM 481 2 hrs. Healthcare Financial Management

An introduction to the principles of healthcare finance, sources of healthcare revenue, expenses, and budgeting. Previously listed as HIM 381. Extensive computer use required. Meets eight weeks of the semester. Taught partially or fully online. Students must have an active UIC netid with valid password and access to a computer and the Internet. **Prerequisite(s):** BHIS 480 or HIM 453 or equivalent experience.

Hebrew

HEB 101 4 hrs. Elementary Hebrew I

Introduction to the vocalization, basic vocabulary, and grammatical structure of the Hebrew language. Spoken and written Hebrew are both stressed. **Prerequisite(s):** For students who have not studied Hebrew or placement as determined by test score or consent of instructor.

HEB 102 4 hrs. Elementary Hebrew II

The second part of an introduction to the study of the basic vocabulary and grammatical structure of the Hebrew language. Spoken Hebrew is also stressed. **Prerequisite(s):** HEB 101 or adequate performance on the placement test or consent of the instructor.

HEB 103 4 hrs. Intermediate Hebrew I

The second year of Hebrew language study. Study of Hebrew grammar with emphasis on sentence structure for speaking and writing Hebrew. **Prerequisite(s):** HEB 102 or adequate performance on the placement test or consent of instructor.

HEB 104 4 hrs. Intermediate Hebrew II

Focused study of Hebrew grammar and reading comprehension. Emphasis on writing and speaking Hebrew with fluency. **Prerequisite(s):** HEB 103 or adequate performance on the placement test or consent of the instructor.

Hindi-Urdu

HNUR 101 4 hrs. Elementary Hindi-Urdu I

Introduction to and practice in speaking and comprehending spoken Hindi-Urdu and in reading and writing Hindi-Urdu in Devanagari script. Four additional half hours each week in the language laboratory. **Prerequisite(s):** For students who have not studied Hindi-Urdu, or placement as determined by test score, or consent of the instructor.

HNUR 102 4 hrs. Elementary Hindi-Urdu II

Continues HNUR 101. Speaking and comprehending Hindi-Urdu. Reading and writing in both Devanagari script and Urdu script. Four additional half hours each week in the language laboratory. **Prerequisite(s):** HNUR 101; or appropriate score on the department placement test; or consent of the instructor.

HNUR 103 4 hrs. Intermediate Hindi-Urdu I

This course builds on the foundation of HNUR 101 and HNUR 102. Emphasis will be placed on advanced structures, reading unedited texts in both Devanagari (Hindi) and Nastaliq (Urdu) and the development of oral and aural competency. Two

additional hours each week in the language laboratory.

Prerequisite(s): HNUR 102 or the equivalent, or consent of the instructor.

HNUR 104 4 hrs. Intermediate Hindi-Urdu II

A continuation of HNUR 103. Modern prose literature and poetry in Hindi-Urdu and an introduction to the language of films. Emphasis on developing oral and aural competency. Two additional hours each week in the language laboratory. **Prerequisite(s):** HNUR 103; or consent of the instructor.

HNUR 196 1–4 hrs. Independent Study

Independent study under faculty direction for qualified students with special interests and needs. May be repeated to a maximum of 8 hrs. **Prerequisite(s):** Consent of the instructor.

History

HIST 100 3 hrs.

Western Civilization to 1648
Introduction to the development of Western civilization and the modern world: ancient medieval and early modern history. *Past course.*

HIST 101 3 hrs.

Western Civilization since 1648
Introduction to the development of Western civilization in the early modern and modern world. *Individual and Society, and Past course.*

HIST 103 3 hrs.

American Civilization to the Late Nineteenth Century
Exploration and settlement; colonial society; Revolution, Constitution, and new nation; sectionalism, slavery, and Civil War; Reconstruction; growth of urbanization and industrialism; cultural trends, the West. *Past, and U.S. Society course.*

HIST 104 3 hrs.

American Civilization since the Late Nineteenth Century
Response to urban-industrial society; expansionist foreign policy; political and social reform; race and ethnicity; Depression and World Wars; Cold War; recent trends. *Past, and U.S. Society course.*

HIST 106 3 hrs.

The World since 1400
Overview of historical developments creating an interconnected world. Explorations, rise of capitalism, European colonialism, nationalism and development, the predicaments of postcolonial societies. *Same as INST 106. Past, and World Cultures course.*

HIST 109 3 hrs.

East Asian Civilization: China
An introduction to Chinese civilization, including history, philosophy, and religions from earliest times to 1500. *Same as ASST 109. Past, and World Cultures course.*

HIST 110 3 hrs.

East Asian Civilization: Japan
An overview of Japanese history from earliest times to the mid-twentieth century: social structure, economic change, political institutions, religion, and culture. *Same as ASST 110. Past, and World Cultures course.*

HIST 114 3 hrs.

Topics in World History
Introduction to history through global events and the historical development of diverse cultural, religious, social, economic, and political institutions. *Same as INST 114. May not be repeated for credit. Past course.*

HIST 115 3 hrs.

Introduction to North American Indian History
The history of North American Indians from before contact with Europeans through the late twentieth century. The interactions between Europeans and

American Indians in ways that foreground the experiences and perspectives of indigenous peoples. *Same as NAST 115. Past, U.S. Society, and World Cultures course.*

HIST 116 3 hrs.

Freshman Seminar: Special Topics
An introduction to the study of history through special topics and the use of primary source materials. *Past course.*

HIST 117 3 hrs.

Understanding the Holocaust
Holocaust of European Jewry as the result of anti-Semitic ideology and the development of modern German political forces; implementation of the Final Solution. *Same as JST 117. Individual and Society, and Past course.*

HIST 141 3 hrs.

African Civilization
Introduction to history and historical methods through the study of African history. *Same as AAST 141. Past, and World Cultures course.*

HIST 150 3 hrs.

Catholicism in U.S. History
The Catholic experience in the United States from its colonial origins to the present. *Same as CST 150 and RELS 150. U.S. Society course.*

HIST 161 3 hrs.

Introduction to Latin American History
Introduction to major themes in Latin American history from pre-Columbian society and the European conquest to the present. *Same as LALS 161. Past, and World Cultures course.*

HIST 177 3 hrs.

Middle Eastern Civilization
Introduction to the culture and society of the Middle East, with special attention to the development of Islam and the consequences of Westernization. *Past, and World Cultures course.*

HIST 202 3 hrs.

The Ancient World: Greece
Greece from the Mycenaean through the Hellenistic periods; political, social, economic, and religious life of the Greek city-state and the Hellenistic kingdoms. *Same as CL 202. Past course.*

HIST 203 3 hrs.

The Ancient World: Rome
Rome from its origins to the end of the Roman Empire; emphasis on transformation of Rome from city-state to world empire, with attention to social, cultural, and economic background. *Same as CL 203. Past course.*

HIST 204 3 hrs.

Greek Art and Archaeology
Contributions of archaeological excavations to the study of ancient Greece, 600 BC to 31 BC. Architecture, sculpture, and painting in their social and historical contexts. *Same as AH 204 and CL 204. Credit is not given for HIST 204 if the student has credit in CL 215.*

Taught in English. *Creative Arts, and Past course.*

HIST 205 3 hrs.

Roman Art and Archaeology
Contributions of archaeological excavations to the study of ancient Rome and her empire 1000 BC–400 AD. Architecture, sculpture, and painting in their social and historical contexts. *Same as AH 205 and CL 205. Creative Arts, and Past course.*

HIST 206 3 hrs.

The Earlier Middle Ages
Europe from the decline of the Roman Empire to the year 1000. Emphasis on the integration of cultures during the Germanic migration and on the development of a distinctive medieval civilization. *Individual and Society, and Past course.*

HIST 207 3 hrs.

The Later Middle Ages
Europe from the eleventh to the fifteenth centuries. Emphasis on high medieval culture, the development of national monarchies, European expansion and its decline. *Individual and Society, and Past course.*

HIST 209 3 hrs.

The Byzantine Empire
The East Roman Empire from its creation by Diocletian and Constantine to its conquest by the Ottoman Turks. *Same as GKM 209.*

HIST 211 3 hrs.

Europe: 1500 to 1715
Social, economic, political, and cultural analysis of western Europe in the sixteenth and seventeenth centuries, from the Renaissance to the Enlightenment. *Individual and Society, and Past course.*

HIST 212 3 hrs.

Europe: 1715 to 1815
Europe from the death of Louis XIV to Napoleon's fall, with special emphasis on building of states, urban development, and political change.

HIST 213 3 hrs.

Europe: 1815 to 1914
Social, economic, and political history of Europe from the Congress of Vienna to the World War I. *Individual and Society, and Past course.*

HIST 214 3 hrs.

Europe: 1914 to 1945
War origins; the Russian revolution and communist autocracy; the rise of European Fascism; the dilemmas of the democracies; intellectual resistance 1939–45; wartime diplomacy. *Individual and Society, and Past course.*

HIST 216 3 hrs.

Military History: War since Napoleon
The doctrine, technology, strategy, and tactics of military and naval conflict in the nineteenth and twentieth centuries.

HIST 217 3 hrs.

Introduction to United States Military History
Analytical study of American military history, doctrine, strategy, and tactics from their origin through the present. Emphasis on leadership, strategy, the principles of war, and growth of the military in the US. *Same as MILS 217.*

HIST 220 3 hrs.

Modern Germany since 1848
Unification and industrialization in the nineteenth century; world wars and the development of the two Germanies in the twentieth century. *Individual and Society, and Past course.*

HIST 222 3 hrs.

England to 1689
England from the Celtic immigration to the Glorious Revolution. *Individual and Society, and Past course.*

HIST 223 3 hrs.

Modern Britain since 1689
History of Britain from the Glorious Revolution to the present. *Individual and Society, and Past course.*

HIST 224 3 hrs.

France: 1500 to 1715
French society and culture in the formative period, from the reign of Francis I to that of Louis XIV. *Individual and Society, and Past course.*

HIST 225 3 hrs.

France: 1715 to 1848
Major political, social, and economic forces in French history 1715 to 1848, including the Ancien Regime, the Enlightenment, the French Revolution, Napoleon, and the Restoration. *Individual and Society, and Past course.*

HIST 226 3 hrs.

France since 1848
An investigation into the major political, social, and economic forces at work in French history from 1848 to the present. *Individual and Society, and Past course.*

HIST 227 3 hrs.

Spain: 1469 to 1808
The political, socioeconomic, and cultural development of Spain from the reign of Ferdinand and Isabella to the War of Independence. *Same as LALS 227. Individual and Society, and Past course.*

HIST 228 3 hrs.
Spain since 1808
 Loss of the colonies, liquidation of the Ancien Regime, national integration, sociopolitical polarization, the Civil War, and the Franco regime. **Same as** LALS 228. *Individual and Society, and Past course.*

HIST 229 3 hrs.
Africa and its Diasporas
 This course on the African diaspora critically analyses the cultural, economic, geographic, and historical implications of population movements from Africa from the 15th century to the present. **Same as** AAST 229. **Prerequisite(s):** AAST 100 or AAST 241 or HIST 241 or AAST 242 or HIST 242 or AAST 247 or HIST 247 or AAST 248 or HIST 248. *Past, and World Cultures course.*

HIST 233 3 hrs.
History of East Central Europe and the Balkans
 Political, socioeconomic, and cultural developments in the Balkans and the region between the German and Russian states from the medieval period to the present. *Individual and Society, and Past course.*

HIST 234 3 hrs.
History of Poland
 Political, socioeconomic, and cultural developments since the first Polish state, the union with Lithuania, the struggle for independence, Communist rule to the present. **Same as** POL 234. *Individual and Society, and Past course.*

HIST 236 3 hrs.
Russia to 1812
 Surveys the major political, social, economic, and cultural developments from the beginnings of Russian history to the Napoleonic invasion.

HIST 237 3 hrs.
Russia since 1812
 Surveys the major political, social, economic, and cultural development from the Napoleonic invasion to the collapse of the Soviet Union. *Individual and Society, and Past course.*

HIST 241 3 hrs.
Precolonial Africa
 Development of human civilization; the rise of kingdoms and territorial states; migration of peoples; the spread and impact of Islam; west African trading networks. **Same as** AAST 241. *Past, and World Cultures course.*

HIST 242 3 hrs.
Modern Africa
 The effect of European partition and colonialism; African military and political resistance; economic imperialism; the rise of nationalism; the problems of independence. **Same as** AAST 242. *Past, and World Cultures course.*

HIST 247 3 hrs.
African American History to 1877
 Survey of major social, economic, political, and cultural developments in African American history from the rise of the Atlantic Slave Trade to Reconstruction. **Same as** AAST 247. **Prerequisite(s):** One course in African American studies or history, or consent of the instructor. *Past, and U.S. Society course.*

HIST 248 3 hrs.
African American History since 1877
 Survey of major social, economic, and political developments in African American history since Reconstruction. Topics include Jim Crow, black leadership, migration, civil rights, and nationalism. **Same as** AAST 248. **Prerequisite(s):** One course in African American studies or history, or consent of the instructor. *Past, and U.S. Society course.*

HIST 250 3 hrs.
American Ethnic History
 The transplanted cultures of Asian, African, and European immigrants in the American urban setting with special attention to their social, cultural, and behavioral differences.

HIST 251 3 hrs.
History of Race Relations in America
 An examination of American racial thought and racial discrimination to determine how the content and function of both have changed over time. **Same as** AAST 200 and LALS 251.

HIST 252 3 hrs.
Sexuality in America: Historical Perspectives
 Sexuality as a force in history. Topics include Victorianism, marriage and courtship, sexual subcultures, censorship and purity crusades, popular culture, and various "sexual revolutions." **Same as** GWS 252. *Past, and U.S. Society course.*

HIST 253 3 hrs.
The Worker in American Life
 Introduction to the major historical transformations in the lives of American working people and the ideas, movements, and organization through which they have defined a collective response to changing conditions.

HIST 254 3 hrs.
Topics in Urban History
 The field of urban history through a variety of topics at the introductory level. Specific topics to be announced each term. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** At least one history course at the 100-level.

HIST 255 3 hrs.
History of Chicago
 Development from frontier outpost to postindustrial metropolis; economic, social, political, and cultural changes and institutions; suburbanization and deindustrialization. *Past, and U.S. Society course.*

HIST 256 3 hrs.
Religious Experiences in American History
 A survey of the varieties of religious experience in American history from the sixteenth to the twentieth centuries, with emphasis on social and cultural consequences. **Same as** RELS 256.

HIST 257 3 hrs.
History of Illinois
 Social, economic, and political history of Illinois with attention to the frontier, Lincoln, Civil War, industrialization, agriculture and Chicago.

HIST 258 3 hrs.
Topics in Intellectual History
 Intellectual history, focusing on the development of ideas in their political, social, and cultural contexts or the relationship between diverse fields, such as science, philosophy, and religion. May be repeated if topics vary. Consent of the instructor required to repeat course.

HIST 259 3 hrs.
The History of American Women
 Cultural, social, economic developments of gender relationships and women's lives from the seventeenth century to the present; political and ideological responses; feminism. **Same as** GWS 259. *Individual and Society, Past, and U.S. Society course.*

HIST 260 3 hrs.
American Indians in Popular Culture: Native Americans in Print, Film, and Electronic Media
 Considers the history of representations of American Indian people, in print, performance, film, and electronic media, and over the course of the 19th and 20th centuries. **Same as** NAST 260. **Prerequisite(s):** Sophomore standing or above; and approval of the department. **Recommended background:** Grade of B or better or concurrent registration in HIST 115 or grade of B or better or concurrent registration in NAST 115. *Creative Arts, and U.S. Society course.*

HIST 261 3 hrs.
Latin America to 1850
 A survey of the pre-Columbian and early national periods. **Same as** LALS 261. *Past, and World Cultures course.*

HIST 262 3 hrs.
Latin America since 1850
 Latin American socioeconomic, political, and cultural development since 1850 with emphasis on major countries and regions. **Same as** LALS 262. *Past, and World Cultures course.*

HIST 263 3 hrs.
African American Intellectual History
 Introduction to key figures, developments, and debates in African American intellectual history. **Same as** AAST 263. **Prerequisite(s):** AAST 100. *Individual and Society, and Past course.*

HIST 265 3 hrs.
Mexico: 1400 to 1850
 Social, economic, political, and cultural development of Mexican society from pre-Hispanic roots through Spanish conquest to independence and its aftermath. **Same as** LALS 265. *Past, and World Cultures course.*

HIST 266 3 hrs.
Mexico since 1850
 Revolution and evolution in the making of modern Mexican society. **Same as** LALS 266. *Past, and World Cultures course.*

HIST 271 3 hrs.
Late Imperial China: 1500 to 1911
 A detailed survey of China's late imperial period, covering a broad range of issues from state institutions and elite power, to popular culture and peasant revolt. **Same as** ASST 271. *Past, and World Cultures course.*

HIST 272 3 hrs.
China since 1911
 Twentieth-century China from 1911 to the present, including warfare; areas of intellectual inquiry; and changes in government, family, and the role of women. **Same as** ASST 272. *Past, and World Cultures course.*

HIST 273 3 hrs.
Japan to 1600
 Topical survey from earliest times to 1600: political and economic institutions, ideology, class structure, gender, culture, religions, and warfare. **Same as** ASST 273. *Past, and World Cultures course.*

HIST 274 3 hrs.
Japan since 1600
 Topical overview of the development of modern Japan: political consolidation, economic growth, international relations, ideology, expansion, and colonialism, American occupation, social movements, environment, and law. **Same as** ASST 274. *Past, and World Cultures course.*

HIST 275 3 hrs.
History of South Asia
 An outline of South Asian history from the earliest times to the present, in regional and global contexts. **Same as** ASST 275. *Past, and World Cultures course.*

HIST 276 3 hrs.
Modern South Asia, 1857 to the Present
 Examines anticolonial resistance to British rule starting with the 1857 Revolt, Indian nationalism, and the formation of independent nation-states in South Asia. **Same as** ASST 276. *Past, and World Cultures course.*

HIST 277 3 hrs.
The Middle East to 1258
 Middle Eastern history from the seventh to thirteenth centuries; emphasis on Muhammad's impact; major political, cultural, and intellectual developments. *Past, and World Cultures course.*

HIST 278 3 hrs.
The Middle East since 1258
 Medieval Islamic gunpowder empires and their decline; the challenge of Western hegemony; the emergence of nation states; the costs of modernity; the resurgence of Islam. *Past, and World Cultures course.*

HIST 281 3 hrs.
Topics in Social History
 Specific topics are announced each term. May be repeated if topics vary.

HIST 283 3 hrs.
Topics on Environmental History
 Topics in environmental history at the introductory level. Courses offered will examine environmental processes as they interact with the human environment, trade and politics at the local, national and/or international levels. May be repeated if topics vary.

HIST 285 3 hrs.
Cultural History of Modern Greece: 1453 to the Present
 Survey of the cultural history of modern Greece, from the end of the Byzantine Empire in 1453 to the end of the present. Taught in English. **Same as** GKM 285. *Past course.*

HIST 286 3 hrs.
Modern Greek Cities: Historical-Ethnographic Studies
 This course is designed as an historical and ethnographic survey of the communities and culture of Modern Greek urban centers, from the early modern period to the present. Taught in English. **Same as** GKM 286. *Past course.*

HIST 288 3 hrs.
History of Modern Puerto Rico
 Survey of political and socioeconomic history from 1868 to the present. **Same as** LALS 288.

HIST 290 3 hrs.
Mexican American History
 The political, social, economic, and cultural development of the Mexican people in the U.S. from colonial times until the present. **Same as** LALS 290.

HIST 291 3 hrs.
American Business History
 Business from colonial times to the present: early entrepreneurs, law and business, money and credit, corporations and trust-busting, oligopoly and the dual economy, the service economy and business abroad.

HIST 292 3 hrs.
History and Theories of Feminism
 An introduction to feminist theory and practice throughout the world from the 19th century to the present. **Same as** GWS 292. **Recommended background:** GWS 101 or GWS 102.

HIST 294 3 hrs.
Topics in Catholic History
 An investigation of the impact of human migration and cultural pluralism on Catholicism and an analysis of the role of the Catholic Church in group relations. Topics will vary. **Same as** CST 294 and RELS 294. May be repeated if topics vary.

HIST 295 3 hrs.
Introduction to the History of Science
 Surveys issues in history of science, scientific revolution to present. Topics include rise of experimental argument, Newtonian science; transformations in nineteenth- and twentieth-century science.

HIST 300 3 hrs.
History Methods Colloquium
 Research methodology and analytical writing in the field of history. Students will write and revise at least 3 papers over the course of the semester. Required of all history majors. May not be repeated for credit. **Prerequisite(s):** History major with 9 hours of history credit. Majors are encouraged to take this course as soon as they become eligible.

HIST 320 3 hrs.
Teaching History and the Related Disciplines
 Methods and materials for teaching history and the related disciplines in the secondary schools. Includes field experiences in the learning and teaching of history. **Prerequisite(s):** Consent of the instructor.

HIST 394 3 hrs.
Topics in Catholic History and Culture
 Exploration of various topics in Catholic history and culture. **Same as** CST 394 and RELS 394. **Prerequisite(s):** One course in history or Catholic studies; or consent of the instructor.

HIST 398 3 hrs.
Honors Project
 Student must complete an independent project in one semester; projects will be selected in consultation with the instructor. No more than 9 hours of credit allowed in combination of HIST 398 and HIST 399.

HIST 399 3 hrs.
Independent Study: Special Topics
 Selected topics for individual study. May be repeated to a maximum of 9 hrs. Students may register in more than one section per term. If taken in conjunction with HIST 398, the maximum allowed is 6 hours of credit. **Prerequisite(s):** Consent of the instructor prior to registration.

HIST 400 3 OR 4 hrs.
Topics in Ancient History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history.

HIST 401 3 OR 4 hrs.
Topics in Greek History
 Specific topics are announced each term. **Same as** CL 401. 3 undergraduate hrs. 4 graduate hrs. May be repeated. **Prerequisite(s):** 3 hours of history or classics.

HIST 402 3 OR 4 hrs.
Topics in Roman History
 Specific topics are announced each term. **Same as** CL 402. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history or classics.

HIST 403 3 OR 4 hrs.
Culture and Sexuality: Cultural History of Same-Sex Relations
 Lesbian/gay studies; issues in the history of (homo)sexuality; cultural and historical analysis of same-sexuality in several periods, including our own. **Same as** GWS 403. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing or consent of the instructor.

HIST 404 3 OR 4 hrs.
Roman Law and the Civil Law Tradition
 Roman law and its relationship to values and social structure; social analysis through law; continental law tradition. **Same as** CL 404 and CLJ 404. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** CLJ 200 or CL 203 or HIST 203 or consent of the instructor.

HIST 405 3 OR 4 hrs.
Herodotus and His World
 Examines the Histories of Herodotus—both the text and the culture of Classical Greece compared to the Near East and Egypt. Course information: **Same as** CL 405. 3 undergraduate

hrs. 4 graduate hrs. **Prerequisite(s):** Sophomore standing or above.

HIST 406 3 OR 4 hrs.
Topics in Medieval History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history, or junior standing or above, or consent of the instructor.

HIST 409 3 OR 4 hrs.
Topics in Early Modern European History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history.

HIST 410 3 OR 4 hrs.
Topics in Modern European History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history.

HIST 415 3 OR 4 hrs.
American Indian Ethnohistory
 Introduction to ethnohistory, an interdisciplinary approach to researching, conceptualizing, and writing American Indian history. The course is organized topically and centers on classic and current monographs and articles. **Same as** NAST 415. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Junior standing or above and consent of the instructor. **Recommended background:** Courses in cultural anthropology, American Indian anthropology, American Indian literature.

HIST 418 3 OR 4 hrs.
Topics in German History
 Specific topics are announced each term. **Same as** CEES 418. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of European history, or consent of the instructor.

HIST 420 3 OR 4 hrs.
Teaching the Social Sciences
 This course focuses on acquiring and practicing the skills for teaching the social sciences at the secondary level within the context of history. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** 9 hours of credit in the social sciences and approval of the instructor.

HIST 421 3 OR 4 hrs.
Topics in British and Irish History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 6 hours of history or consent of the instructor.

HIST 424 3 OR 4 hrs.
Topics in French History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): One 200-level course in French or European history or consent of the instructor.

HIST 429 3 OR 4 hrs.
Topics in Italian History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 433 3 OR 4 hrs.
Topics in Eastern European History
 Specific topics are announced each term. **Same as** CEES 433. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of European history or consent of the instructor.

HIST 435 3 OR 4 hrs.
Topics in Russian History
 Specific topics are announced each term. **Same as** CEES 435. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of European history or consent of the instructor.

HIST 441 3 OR 4 hrs.
Topics in African History
 Specific topics are announced each term. **Same as** AAST 441. 3 undergraduate hrs. 4 graduate hrs. May be repeated. **Prerequisite(s):** 3 hours of African history, African American studies, or consent of the instructor.

HIST 445 3 OR 4 hrs.
History of Islam in the African World
 A comprehensive study of the history of Islam and its role among the people of African descent in sub-Saharan Africa and the United States. **Same as** AAST 445. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Consent of the instructor.

HIST 451 3 OR 4 hrs.
Topics in Colonial American History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of U.S. history or consent of the instructor.

HIST 452 3 OR 4 hrs.
Topics in Revolutionary and Early National United States History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 453 3 OR 4 hrs.
Topics in Nineteenth-Century United States History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 454 3 OR 4 hrs.
Topics in Twentieth-Century United States History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of U.S. history or consent of the instructor.

HIST 455 3 OR 4 hrs.
Topics in Southern History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 456 3 OR 4 hrs.
Topics in the History of Communications
 This course introduces students to major developments in the history of communications, with a focus on the political and cultural dimension of technologies. **Same as** COMM 456. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Consent of the instructor. **Recommended background:** At least one history course at the 100-level.

HIST 461 3 OR 4 hrs.
Topics in Latin American History
 Specific topics are announced each term. **Same as** LALS 461. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history, Latin American and Latino studies, or consent of the instructor.

HIST 462 3 OR 4 hrs.
AIDS, Politics, and Culture
 Introduction to the study of AIDS as a medical, social, political, and cultural construction. Explores the epidemiology of AIDS, the politics of the state's response, how activists have addressed AIDS, and media representations of AIDS. **Same as** GWS 462. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** GWS 101 or GWS 102 or GWS 203 or GWS 214 and junior standing or above; or consent of the instructor.

HIST 472 3 OR 4 hrs.
Issues and Events in Twentieth-Century China
 Covers the events, places, people, political movements, ideologies, and issues that shaped twentieth-century China, and considers different approaches to the writing of that history. **Same as** ASST 472. 3 undergraduate hrs. 4 graduate hrs. **Recommended background:** Previous course work in Chinese history at the 100- or 200-level.

HIST 473 3 OR 4 hrs.
Topics in East Asian History
 Specific topics are announced each term. **Same as** ASST 473. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of East Asian history or consent of the instructor.

HIST 475 6 hrs.
Educational Practice with Seminar I
 The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.
Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

HIST 476 6 hrs.
Educational Practice with Seminar II
 The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department.
Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in HIST 475, and approval of the department.

HIST 477 3 OR 4 hrs.
Topics in Middle Eastern History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 478 3 OR 4 hrs.
Women in Chinese History
 Focuses on scholarship on women in Chinese society throughout history, dealing with topics such as marriage and family, literacy, career options, women in revolution, and the historiography of the field. **Same as** ASST 478 and GWS 478. 3 undergraduate hrs. 4 graduate hrs. **Recommended background:** Previous course work in Chinese history or women's studies.

HIST 479 3 OR 4 hrs.
Culture and Colonialism in South Asia
 Examines the emergence of colonial cultures of domination and resistance on the Indian subcontinent from the 18th century to 1947. **Same as** ANTH 479 and ASST 479. 3 undergraduate hrs. 4 graduate hrs.

HIST 480 3 OR 4 hrs.
Topics in Economic History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated.

Students may register in more than one section per term.
Prerequisite(s): 3 hours of history or consent of the instructor.

HIST 481 3 OR 4 hrs.
Topics in Social History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 482 3 OR 4 hrs.
Topics in Migration History
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 483 3 OR 4 hrs.
Topics in the History of Public Policy
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 484 3 OR 4 hrs.
Topics in the History of Women
 Specific topics are announced each term. **Same as** GWS 484. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history or gender and women's studies or consent of the instructor.

HIST 485 3 OR 4 hrs.
Topics in African and African American History
 African and/or African American history for students with significant background in the field. Topics vary. **Same as** AAST 481. 3 undergraduate hrs. 4 graduate hrs. May be repeated if topics vary. Students may register in more than one section per term.
Prerequisite(s): AAST 247 or AAST 248 or HIST 104 or HIST 247 or HIST 248 or consent of the instructor.

HIST 486 3 OR 4 hrs.
Topics in the History of Science
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 credit hours of history.

HIST 487 3 OR 4 hrs.
Topics in the History of Sexuality
 Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours in history or consent of the instructor.

HIST 488 3 OR 4 hrs.
Topics in Urban History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 489 3 OR 4 hrs.
Topics in Military History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 490 3 OR 4 hrs.
Topics in Diplomatic History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 491 3 OR 4 hrs.
Topics in Constitutional History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 492 3 OR 4 hrs.
Topics in Intellectual History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 493 3 OR 4 hrs.
Topics in Historiography
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 494 3 OR 4 hrs.
Topics in Political History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history.

HIST 495 3 OR 4 hrs.
Topics in Religious History
Specific topics are announced each term. **Same as** RELS 495. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** 3 hours of history or consent of the instructor.

HIST 496 3 OR 4 hrs.
Topics in Race, Ethnic, and Minority History
Specific topics are announced each term. **Same as** AAST 496. 3 undergraduate hrs. 4 graduate hrs. May be repeated.
Prerequisite(s): 3 hours of history or consent of the instructor.

HIST 497 3 OR 4 hrs.
Topics in Cultural History
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history or consent of the instructor.

HIST 498 3 OR 4 hrs.
Topics in Quantitative Methods
Specific topics are announced each term. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.
Prerequisite(s): 3 hours of history or consent of the instructor.

Honors College Courses

HON 101 1 hr.
Freshman Orientation Seminar
Introduction to UIC and Honors College opportunities and resources, with emphasis on strategies for success and current issues in higher education. Satisfactory/Unsatisfactory grading only. Restricted to Honors students.

HON 102 3 hrs.
Honors Core in the Humanities I
The first of a two-course general education credit sequence designed around a central theme. May not be repeated for credit. Restricted to Honors students.

HON 103 3 hrs.
Honors Core in the Humanities II
The second of a two-course general education credit sequence designed around a central theme. May not be repeated for credit. **Prerequisite(s):** HON 102. Restricted to Honors students.

HON 105 3 hrs.
Honors Core in the Social Sciences I
The first of a two-course general education sequence designed around a central theme. May not be repeated for credit. Restricted to Honors students.

HON 106 3 hrs.
Honors Core in the Social Sciences II
The second of a two-course general education sequence designed around a central theme. May not be repeated for credit. **Prerequisite(s):** HON 105. Restricted to Honors students.

HON 107 3 hrs.
Interdisciplinary Honors Core in the Humanities
An interdisciplinary humanities general education course

designed around a central theme. May be repeated to a maximum of 6 hours with approval. Approval to repeat course granted by the Honors College. Restricted to Honors students.

HON 108 3 hrs.
Interdisciplinary Honors Core in the Social Sciences
An interdisciplinary social sciences general education course designed around a central theme. May be repeated to a maximum of 6 hours with approval. Approval to repeat course granted by the Honors College. Restricted to Honors students.

HON 110 3 hrs.
Cross-Disciplinary Honors Core: Social Sciences
One of two related cross-disciplinary courses drawn from the humanities and social sciences. May not be repeated for credit. **Prerequisite(s):** Consent of the instructor. Restricted to Honors students.

HON 111 3 hrs.
Cross-Disciplinary Honors Core: Humanities
One of two related cross-disciplinary courses drawn from the humanities and social sciences. May not be repeated for credit. **Prerequisite(s):** Consent of the instructor. Restricted to Honors students.

HON 120 3 hrs.
Honors Core in Understanding the Individual and Society and Understanding the Past
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society and understanding the past. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Individual and Society, and Past course.*

HON 121 3 hrs.
Honors Core in Understanding the Individual and Society and Understanding Creative Arts
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society and understanding the creative arts. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Creative Arts, and Individual and Society course.*

HON 122 3 hrs.
Honors Core in Understanding the Individual and Society and Exploring World Cultures
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society and exploring world cultures. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Individual and Society, and World Cultures course.*

HON 123 3 hrs.
Honors Core in Understanding the Individual and Society and Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society and understanding U.S. society. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Individual and Society, and U.S. Society course.*

HON 124 3 hrs.
Honors Core in Understanding the Past and Understanding the Creative Arts
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the past and understanding the creative arts. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Creative Arts, and Past course.*

HON 125 3 hrs.
Honors Core in Understanding the Past and Exploring World Cultures
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the past and exploring world cultures. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Past, and World Cultures course.*

HON 126 3 hrs.
Honors Core in Understanding the Past and Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the past and understanding U.S. society. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Past, and U.S. Society course.*

HON 127 3 hrs.
Honors Core in Understanding the Creative Arts and Exploring World Cultures
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the creative arts and exploring world cultures. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Creative Arts, and World Cultures course.*

HON 128 3 hrs.
Honors Core in Understanding the Creative Arts and Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the creative arts and understanding U.S. society. May be repeated to a maximum of 6 hrs. Restricted to Honors students. *Creative Arts, and U.S. Society course.*

HON 129 3 hrs.
Honors Core in Exploring World Cultures and Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to exploring world cultures and understanding U.S. society. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
U.S. Society, and World Cultures course.

HON 130 3 hrs.
Honors Core in Analyzing the Natural World and Understanding the Individual and Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the individual and society. May be repeated up to 1 time(s). Restricted to Honors students.
Individual and Society, and Natural World—No Lab course.

HON 131 3 hrs.
Honors Core in Analyzing the Natural World and Understanding the Past
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the past. May be repeated up to 1 time(s). Restricted to Honors students.
Natural World—No Lab, and Past course.

HON 132 3 hrs.
Honors Core in Analyzing the Natural World and Understanding the Creative Arts
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the creative arts. May be repeated up to 1 time(s). Restricted to Honors students.
Creative Arts, and Natural World—No Lab course.

HON 133 3 hrs.
Honors Core in Analyzing the Natural World and Exploring World Cultures
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and exploring world cultures. May be repeated up to 1 time(s). Restricted to Honors students.
Natural World—No Lab, and World Cultures course.

HON 134 3 hrs.
Honors Core in Analyzing the Natural World and Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding U.S. Society. May be repeated up to 1 time(s). Restricted to

Honors students. *Natural World—No Lab, and U.S. Society course.*

HON 140 3 hrs.
Honors Core in Understanding the Individual and Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
Individual and Society course.

HON 141 3 hrs.
Honors Core in Understanding the Past
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the past. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
Past course.

HON 142 3 hrs.
Honors Core in Understanding the Creative Arts
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the creative arts. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
Creative Arts course.

HON 143 3 hrs.
Honors Core in Exploring World Cultures
An interdisciplinary general education course designed around a central theme. Themes address topics related to exploring world cultures. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
World Cultures course.

HON 144 3 hrs.
Honors Core in Understanding U.S. Society
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding U.S. society. May be repeated to a maximum of 6 hrs. Restricted to Honors students.
U.S. Society course.

HON 145 3 hrs.
Honors Core in Analyzing the Natural World
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world. May be repeated up to 1 time(s). Restricted to Honors students.
Natural World—No Lab course.

HON 200 0 hrs.
Honors Lectures
A series of special noncredit lectures arranged for honors students. Satisfactory/Unsatisfactory grading only. Restricted to Honors students.

HON 201 1 hr.
Honors Seminar
A series of specially arranged seminars in different areas of interest. Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 4 hours with approval. Approval to repeat course granted by the Honors College. **Prerequisite(s):** Enrollment eligibility may vary from section to section, depending upon topic. Restricted to Honors students.

HON 202 0 hrs.
Honors Tutoring
Provides students with the opportunity to tutor students in approved subjects. Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the Honors College. **Prerequisite(s):** Approval of the Honors College. Restricted to Honors students.

HON 222 0 hrs.
Honors Activity
Honors work in an approved course or individual project. Satisfactory/Unsatisfactory grading only. May be repeated. Required each fall and spring term for all Honors College students; optional for Honors College students who complete an Honors activity during the summer session. Restricted to Honors students.

HON 225 0 hrs.
Honors Research
Individual research not covered by standard courses under close supervision of a faculty member. Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the Honors College. **Prerequisite(s):** Approval of the Honors College. Restricted to Honors students.

HON 322 0 hrs.
Honors Capstone Activity
Independent, in-depth examination of an approved topic under the close supervision of a faculty advisor. Satisfactory/Unsatisfactory grading only. May be repeated. Restricted to Honors students.

HON 401 3 hrs.
Advanced Honors Seminar
Student, faculty, and invited guests act as partners in the in-depth exploration of a focused topic. This interaction is fostered through common readings, written assignments, and open discussions. May be repeated to a maximum of 6 hrs. Students may register for more than one section per term. **Prerequisite(s):** Sophomore standing or above and consent of the instructor. Graduate students may obtain instructor consent. **Recommended background:** HON 201. Restricted to Honors students.

Human Nutrition

HN 110 3 hrs.
Foods
The principles of food components, component interactions, food selection, preparation, and service.

HN 190 1 hr.
Introduction to Dietetics
Overview of the dietetics profession: career options, professional development (dietetics portfolio), code of ethics, standards of practice, ADA position papers, the legislative process, and professional resources. **Prerequisite(s):** Junior standing or above.

HN 196 3 hrs.
Nutrition
Provides a foundation in the basic principles of human nutrition in maintaining and promoting health through good dietary choices.

HN 200 3 hrs.
Nutritional Assessment
Introduction to the dietetic profession including the nutritional care process. Emphasis on developing basic skills in medical terminology, nutritional assessment, interviewing, counseling, and recording. **Prerequisite(s):** HN 196 and admission to the undergraduate program in human nutrition, or consent of the instructor.

HN 202 2 hrs.
Culture and Food
Provides a perspective on factors that affect the development of food habits, similarities and differences across cultures, and how the use of foods provides a window to multiculturalism. Previously listed as HN 302.
World Cultures course.

HN 203 1 hr.
Culture and Food Lab
Practical application of accurately preparing, presenting, and modifying cultural specific foods. Field trip required at a nominal fee. **Prerequisite(s):** Consent of the instructor.

HN 296 3 hrs.
Nutrition and Physical Activity
Integrates the fundamental principles of nutrition and physical activity to provide students with knowledge of proper nutrition for improving health, fitness, and performance. **Prerequisite(s):** HN 196; or consent of the instructor.

HN 300 3 hrs.
Science of Foods
Scientific aspects of food and its preparation with emphasis on clinical applications. **Prerequisite(s):** HN 110 or the equivalent or consent of the instructor.

HN 306 4 hrs.
Nutrition Education
Study of theoretical and applied strategies for instructional planning and assessment that are applied to both group and individual nutrition education. Credit is not given for HN 306 if the student has credit in HN 201 or HN 305. **Prerequisite(s):** HN 200; or consent of the instructor.

HN 307 3 hrs.
Human Nutrition and Metabolism
Human nutrient requirements and metabolism of carbohydrates, lipids, proteins, vitamins, minerals, and nonnutritive substances found in foods. **Prerequisite(s):** HN 196 and one semester of college-level general chemistry; or consent of the instructor.

HN 308 3 hrs.
Nutrition Science I
Metabolism, dietary regulation, and requirements for energy, protein, fat, and carbohydrates, including issues of under/over nutrition and regulation of food intake. **Prerequisite(s):** HN 196 and credit or concurrent registration in BCHE 307 and credit or concurrent registration in KN 251.

HN 309 3 hrs.
Nutrition Science II
Continuation of HN 308. Metabolism, dietary regulation, and requirements for micronutrients such as vitamins and minerals, including issues of under/over nutrition and regulation of food intake. **Prerequisite(s):** HN 308.

HN 311 3 hrs.
Nutrition during the Life Cycle
Principles of nutrition through the life cycle, including weight management. **Prerequisite(s):** HN 307; or HN 308 and HN 309. Consent of the instructor.

HN 312 2 hrs.
Nutrition during the Life Cycle Practicum
Clinical practicum which includes rotations in maternal, pediatric, and geriatric outpatient/community settings. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** Credit or concurrent registration in HN 311 or consent of the instructor.

HN 318 3 hrs.
Genetic, Molecular, and Cellular Mechanisms of Chronic Diseases
Addresses the most important mechanisms of pathogenesis, with an emphasis on chronic conditions. The role of inflammation and of genetic variability in modulating disease susceptibility will be addressed in detail. **Prerequisite(s):** Credit or concurrent registration in KN 252; and junior standing or above; and approval of the department.

HN 320 4 hrs.
Clinical Nutrition I
Principles of nutrition, biochemistry, physiology, and pathology related to the management of starvation, obesity and gastrointestinal diseases, cardiovascular disease, and diabetes. **Prerequisite(s):** HN 308 and BCHE 307 or the equivalent or consent of the instructor.

HN 321 2 hrs.
Clinical Practice I
Practical experience in the nutritional management of starvation, obesity, and gastrointestinal diseases. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** HN 308 or consent of the instructor. Requires concurrent registration in HN 320, or consent of the instructor.

HN 330 3 hrs.
Quantity Food Production
Lecture/discussion on kitchen layout and design, menu planning, food procurement, storage, production, and service. **Prerequisite(s):** HN 202; or consent of the instructor.

HN 332 2 hrs.
Food Service Management
Application of management principles to food service system functions. **Prerequisite(s):** HN 330.

HN 335 4 hrs.
Food Service Practice
Clinical experience in kitchen layout and design, menu planning, quantity food production and service, and management of a food service operation. Satisfactory/Unsatisfactory grading only. Credit is not given for HN 335 if the student has credit for HN 331 or HN 333. **Prerequisite(s):** HN 330 and HN 332.

HN 340 1 hr.
Seminar
Oral presentation of current topics and issues in human nutrition. Guest speakers included. **Prerequisite(s):** HN 308 and HN 309.

HN 341 2 hrs.
The Research Process
Discussion and application of research methods in development of a practice-oriented research proposal. Written and oral communication included. **Prerequisite(s):** SOC 201 or the equivalent, or consent of the instructor.

HN 366 2 hrs.
Genetics, Nutrition, and Health
A presentation of the basic approaches to molecular and genetic analyses with an emphasis on their relevancy to issues of human nutrition and health. **Prerequisite(s):** BIOS 100; and CHEM 101 or CHEM 112; and junior standing or above; or approval of the department.

HN 396 1–4 hrs.
Independent Undergraduate Study in Human Nutrition
Study in selected areas of human nutrition carried out under the direction of a faculty member. Exact nature of the project is determined by the selected area of interest. **Prerequisite(s):** Consent of the instructor.

HN 413 3 hrs.
Principles of Delivering Public Health Nutrition Services
Assessment, planning, and evaluation of community nutrition programs using a systems approach.

HN 420 2 hrs.
Clinical Nutrition II
Principles of nutrition, biochemistry, physiology, pathology, education, and psychology related to management of selected diseases (renal disease, AIDS and cancer, and pediatrics). **Prerequisite(s):** HN 320; or consent of the instructor.

HN 421 4 hrs.
Clinical Practice II
Practical experiences in the nutritional management and support of selected disease processes such as cancer, gastrointestinal, and hypermetabolic states. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** HN 321 and credit or concurrent registration in HN 420; or consent of the instructor.

HN 422 2 hrs.
Clinical Nutrition III
Principles of nutrition, biochemistry, physiology, and pathology related to the management of critically ill patients. **Prerequisite(s):** HN 309 and HN 420; or consent of the instructor.

HN 423 5 hrs.
Clinical Practice III
Clinical practicum which focuses on the nutritional management of critically ill patients or specialized patient populations (renal and pediatric patients). Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** HN 421 and credit or concurrent registration in HN 422; or consent of the instructor.

HN 450 6 hrs.
Professional Practice
Extended practicum which integrates acquired skills, knowledge, and attitudes in dietetics. Special emphasis on current dietetic issues facing the healthcare professional. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** HN 423; or consent of the instructor.

HN 480 2 hrs.
Field Study
Provides practical experience to develop/strengthen the student's knowledge and skills in an area of nutrition practice. **Prerequisite(s):** HN 410; or consent of the instructor.

Industrial Engineering

IE 198 1–4 hrs.
Special Topics in Engineering Graphics
Specific topics are announced each term. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** Prerequisite may vary by section according to topic.

IE 201 3 hrs.
Financial Engineering
Principles and techniques of economic analysis in engineering and management science. Basic probability theory and decision problems under risk and uncertainty. **Prerequisite(s):** MATH 181.

IE 312 3 hrs.
Dynamic Systems and Control
Dynamics of linear systems. Modeling of mechanical, electrical, fluid, and thermal systems. Analysis and design of feedback control systems. Analytical, computer, and experimental solution methods. Time and frequency domain techniques. **Same as** ME 312. **Prerequisite(s):** MATH 220 and PHYS 142; and sophomore standing or above; or approval of the department.

IE 342 3 hrs.
Probability and Statistics for Engineers
Probability, random variables, mathematical expectation, discrete and continuous distributions, estimation theory, test of hypothesis, and introduction to standard experimental designs. **Prerequisite(s):** MATH 210.

IE 345 3 hrs.
Regression Applications and Forecasting in Engineering
Single and multiple regression analysis of variance, examination of residuals, introduction to time series analysis, and analytical forecasting techniques; application to engineering system. **Prerequisite(s):** IE 342.

IE 365 4 hrs.
Work Productivity Analysis
Operations analysis; man-machine relationship; motion study; micromotion study, time study; predetermined time systems; performance rating; standard data techniques; work sampling; wage payment plans. **Prerequisite(s):** Credit or concurrent registration in IE 342.

IE 380 3 hrs.
Manufacturing Process Principles
Introduction to basic manufacturing processes such as casting, bulk deformation, sheet metal forming, metal cutting. Interaction between materials, design, and manufacturing method. Economics of manufacturing. **Same as** ME 380. **Prerequisite(s):** CME 203.

IE 392 3 hrs.
Undergraduate Research
Research under close supervision of a faculty member. May be repeated to a maximum of 6 hrs. **Prerequisite(s):** Consent of the head of the department.

IE 396 4 hrs.
Senior Design I
Systematic approach to the design process. Creative problem solving. Design methodology and engineering principles applied to open-ended design problems with inherent breadth and innovation. **Same as** ME 396. **Prerequisite(s):** Senior standing; completion of all core courses and consent of the instructor.

IE 411 0-4 hrs.
Mechatronics I
Elements of mechatronic systems, sensors, actuators, microcontrollers, modeling, hardware in the loop simulations, real-time software, Electromechanical systems laboratory experiments. **Same as** ME 411. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. **Prerequisite(s):** Senior standing or above or approval of the department.

IE 412 3 OR 4 hrs.
Dynamic Systems Analysis I
Classical control theory, concept of feedback, laplace transform, transfer functions, control system characteristics, root locus, frequency response, compensator design. **Same as** ME 412. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ME 308.

IE 441 3 OR 4 hrs.
Ergonomics and Human Factors
The study of principles and techniques associated with ergonomic problems. Topics include human information input and processing, human output and control, and ergonomic considerations in safety. **Same as** EOHS 441. Previously listed as IE 341. 3 undergraduate hours; 4 graduate hrs. **Prerequisite(s):** Credit or concurrent registration in IE 342 or consent of the instructor.

IE 444 3 OR 4 hrs.
Interdisciplinary Product Development I
Cross-functional teams (with students from AD 420/423 and MKTG 594) research and develop new product concepts. Focus on the identification of technologically appropriate product design problems. **Same as** ME 444. 3 undergraduate hrs. 4 graduate hrs. Year-long (with IE/ME 445) project course. **Prerequisite(s):** Senior standing or above; and consent of the instructor.

IE 445 4 hrs.
Interdisciplinary Product Development 2
Cross-functional teams (w/students from AD 420 and MKTG 594) research and develop new product concepts. Focus on solutions to the opportunities identified in IE/ME 444 to functional prototypes. Serves as a replacement for IE/ME 396. **Same as** ME 445. Year-long (with IE/ME 444) project course. **Prerequisite(s):** IE 444 or ME 444; and senior standing or above; and consent of the instructor.

IE 446 3 OR 4 hrs.
Quality Control and Reliability
Principles of statistical quality control, including control by variable and by attribute, construction and use of control charts for variables, fraction defectives and number of defects and use of standard plans, reliability and life cycle testing. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 342.

IE 461 3 OR 4 hrs.
Safety Engineering
Human protection systems; accident and emergency handling; manufacturing and service hazard systems. **Same as** EOHS 460. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 342 or consent of the instructor.

IE 463 3 OR 4 hrs.
Plant Layout and Materials Handling
Facilities design functions, computer-aided plant layout, facility location, warehouse layout Minimax location, deterministic and probabilistic conveyor models. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 471.

IE 464 0-4 hrs.
Virtual Automation
Fundamentals of manufacturing and automation modeling using CAD/CAM and computer-integrated manufacturing methods; concepts of virtual manufacturing; industrial robots and automated factory models within virtual environments. **Same as** ME 464. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** CS 107 or CS 108.

IE 465 0-4 hrs.
Manufacturing Information Systems
Design and implementation of supervisory control and data acquisition systems; manufacturing systems controller and communication networks. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Senior or graduate standing, or consent of the instructor; and familiarity with computer programming.

IE 466 3 OR 4 hrs.
Production Planning and Inventory Control
Principles of demand forecasting, production planning, master scheduling, critical path scheduling, job sequencing, design and

control of deterministic and stochastic inventory systems, material requirement planning. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 345 and IE 471.

IE 467 3 OR 4 hrs.
Discrete Event Computer Simulation Application
The solution of industrial application problems by means of discrete event computer simulation. Simulation model building. Input analysis. Output analysis. In-depth study of some specific simulation programming languages, with projects. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 342.

IE 468 3 OR 4 hrs.
Virtual Manufacturing
Virtual reality applications in manufacturing systems design, manufacturing applications of networked virtual reality, virtual reality modeling of occupational safety engineering. **Same as** ME 468. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** CS 107 or CS 108.

IE 471 3 OR 4 hrs.
Operations Research I
Introduction to operations research, formulation of linear programming problems, simplex methods, duality theory, sensitivity analysis, network models, and integer linear programming. 3 undergraduate hrs. 4 graduate hrs. No graduate credit for Industrial Engineering majors. **Prerequisite(s):** MATH 310.

IE 472 3 OR 4 hrs.
Operations Research II
Nonlinear programming problems, unconstrained optimization search techniques. Kuhn-Tucker theorems, quadratic programming, separable programming, Markov chain, queueing theory, and dynamic programming. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IE 342 and IE 471 or graduate standing.

IE 494 3 OR 4 hrs.
Special Topics in Industrial Engineering
Particular topics vary from term to term depending on the interests of the students and the specialties of the instructor. 3 undergraduate hrs. 4 graduate hrs. May be repeated. **Prerequisite(s):** Consent of the instructor.

IE 499 0 hrs.
Professional Development Seminar
Students are provided general information about their role as UIC alumni in society and the role of the University in their future careers. Students provide evaluations of their educational experience in the MIE department. Satisfactory/Unsatisfactory grading only. **Prerequisite(s):** Open only to seniors; and approval of the department. Must be taken in the student's last semester of study.

Information and Decision Sciences

IDS 200 4 hrs.
Introduction to Management Information Systems
Introduction to concepts and application of information technology for solving business problems and supporting organizational functions. Includes hands-on instruction on use of computer-based productivity tools. **Same as** IDS 100.

IDS 201 3 hrs.
Introduction to Business Programming
Disciplined computer-assisted problem solving. Structured programming, data types and data structures, modularization. Program design for business information- and decision-support. Credit is not given for IDS 201 if the student has credit for MCS 260. **Prerequisite(s):** IDS 200 and MATH 160 or the equivalent courses.

IDS 270 4 hrs.
Business Statistics I
Survey of concepts and techniques for business applications of statistics. Use of computer software for tabulation and analysis of data. **Prerequisite(s):** MATH 160 or MATH 165.

IDS 312 3 hrs.
Business Project Management
An integrative approach to learning how projects contribute to the strategic goals of the organization. Major issues: selecting projects, project management techniques and tools, budgeting, monitoring, risk mitigation, and interpersonal skills. **Prerequisite(s):** IDS 200.

IDS 313 3 hrs.
Internet Applications in Business
Internet business applications in entrepreneurship, finance, accounting, and marketing. Assessing business problems, planning Internet-based solutions, and understanding Web tools. Students interested in further studies can continue with IDS 413.

IDS 331 3 hrs.
Business Analysis Using Spreadsheets
Analyzing business cases using spreadsheet software. Effective and efficient use of Excel. Spreadsheet automation using Visual Basic for Applications. Extensive computer use required. **Prerequisite(s):** IDS 200. **Recommended background:** ACTG 110

IDS 355 3 hrs.
Operations Management
Application of management sciences to the planning and design of production, distribution, and service systems. **Prerequisite(s):** IDS 200 and IDS 270 and ENGL 161 and ECON 218.

IDS 371 3 hrs.
Business Statistics II
 Continuation of survey of statistical concepts and techniques for operational and managerial decisions. Use of computer software for analysis of data.
Prerequisite(s): IDS 270 and MATH 165.

IDS 400 0–4 hrs.
Advanced Business Programming Using Java
 Visual extended business language capabilities, including creating and using controls, menus and dialogs, objects and instances, mouse events, graphics, file-system controls. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 201 or IDS 331 or a programming course in mathematics or computer science, or consent of the instructor.

IDS 401 0–4 hrs.
Business Object Programming Using Java
 Basic concepts in object-oriented programming, such as objects, classes, class inheritance and interfaces, data abstraction and encapsulation, polymorphism, and dynamic binding. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 201 or IDS 331 or the equivalent.

IDS 403 3 OR 4 hrs.
Information Security
 Examine the field of information security to prepare students for their future roles as business decision-makers. Presents a balance of the managerial and technical aspects of information security. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 200 or the equivalent.

IDS 405 3 OR 4 hrs.
Business Systems Analysis and Design
 Theory of analysis, design, and development of information systems; information management and database management systems; data management and analysis; case studies in systems implementation and evaluation. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 201 or IDS 331.

IDS 406 3 OR 4 hrs.
Business Systems Project
 Project experience in a business setting. Analysis, design, development, and evaluation of computer-based business information systems. Project planning, scheduling, and management. Project work at an outside company or University office. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required.
Prerequisite(s): Knowledge of programming and databases; or consent of the instructor.
Recommended background: Familiarity with systems analysis and design (IDS 405).

IDS 410 3 OR 4 hrs.
Business Database Technology
 Computer software techniques used in business with emphasis on information management and database management systems. Data management and analysis. Major types of database management systems, query languages. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 201 or IDS 331.

IDS 412 3 OR 4 hrs.
Distributed Business Systems
 Organizational aspects and underlying concepts of distributed business systems, decentralization versus centralization issues, costs of distributed computing, and performance evaluation measures. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 201 or IDS 330; and credit or concurrent registration in IDS 410.

IDS 413 3 hrs.
Internet Technology and Management
 The technologies of World Wide Web development. Topics include: TCP/IP, HTTP, HTML, HTML authoring, XML, ASP programming, client-side programming, and Web 2.0, Web servers, database servers, business application servers, and Internet. Credit is not given for IDS 413 if the student has credit for IDS 424. Extensive computer use required. **Prerequisite(s):** IDS 201 or IDS 331; and IDS 410.

IDS 420 3 OR 4 hrs.
Business Model Simulation
 Simulation analysis of strategic business decision models for investment, marketing, product introduction, and operational policies concerning inventory, production planning, quality assurance and supply chain management. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): Credit or concurrent registration in IDS 355; or credit or concurrent registration in IDS 331 or the equivalent.

IDS 422 3 OR 4 hrs.
Knowledge Management Systems
 Computer-based methods for decision support. It aims at providing exposure and insights into a range of approaches and tools for decision aiding, and how they can be utilized in supporting various managerial decision processes. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 410 or consent of the instructor.

IDS 435 3 OR 4 hrs.
Optimization Models and Methods
 Linear, nonlinear, dynamic programming, combinatorial methods. Use of spreadsheet and other software tools. Duality, sensitivity analysis. Models for business operations and planning, computer systems, transportation, finance. 3 undergraduate hrs. 4

graduate hrs. **Prerequisite(s):** IDS 355; and IDS 371 or the equivalent. Business administration students must have declared a major.

IDS 437 3 OR 4 hrs.
Stochastic Methods
 Stochastic processes and other applications of probability theory. Use of spreadsheet and other software tools for analysis, simulation, and decision theory. Models for business operations and planning, computer systems, transportation, finance. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 355 and IDS 371.

IDS 446 3 OR 4 hrs.
Decision Analysis
 Prior and posterior distributions; conjugate priors; value of information; applications to decision making in business. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 371.

IDS 450 0–4 hrs.
Advanced Operations Management
 Application of management science to the operation and control of production, distribution, and service systems. Emphasis on inventory management, production planning, capacity expansion, and demand forecasting. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required. **Prerequisite(s):** IDS 355 or the equivalent. Business administration students must have declared a major.

IDS 454 3 OR 4 hrs.
Introduction to Supply Chain Management
 Supply Chain Management is studied as an information-intensive, integrated system for managing material flows, logistics, and interorganizational partnership to deliver products and services. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 355.

IDS 460 3 OR 4 hrs.
Survey Sampling: Theory and Methods
 Planning and analyzing surveys. Topics include simple random sampling, stratified sampling, systematic sampling, ratio estimation, and cluster sampling. Case studies with applications to real situations. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 371.

IDS 462 3 OR 4 hrs.
Statistical Software for Business Applications
 Statistical software in business applications and data mining. SAS and other packages, such as SPSS, MATLAB, Maple, Splus, B34S, SCA. 3 undergraduate hrs. 4 graduate hrs.
Prerequisite(s): IDS 371 or consent of the instructor.

IDS 470 3 OR 4 hrs.
Multivariate Analysis
 Introduction to the structure and analysis of multivariate data. Emphasis on the multivariate normal model. Regression; tests

concerning multivariate means, classification; discriminant analysis, principal components. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IDS 371; or MATH 310; or MATH 320.

IDS 472 3 OR 4 hrs.
Business Data Mining
 Searching for relationships between variables in databases. Decision trees, cluster analysis, logistic regression, path analysis. Applications to marketing, quality assurance, operations management, human resources. 3 undergraduate hrs. 4 graduate hrs. Credit is not given for IDS 472 if the student has credit for IDS 572. **Prerequisite(s):** IDS 371 or the equivalent.

IDS 473 3 hrs.
Introduction to Risk Management
 Introduction to risk management. Loan and credit management; credit scoring. Risk measurements and reserves; banking and insurance capital requirements, the BASEL accord, tail events, and catastrophic event insurance. Financial contracts and hedging. **Same as** FIN 473. **Prerequisite(s):** FIN 300 and IDS 371.

IDS 474 3 OR 4 hrs.
Quality and Productivity Improvement Using Statistical Methods
 Directed experimentation for quality and productivity improvement, quality surveillance, design, and analysis of two-level factorial experiments and multi-level experiments, data transformation. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IDS 371 or consent of the instructor.

IDS 475 3 OR 4 hrs.
Database Accounting Systems
 Concepts and principles of designing database systems to perform accounting functions, applications of microcomputer accounting software packages systems design tools, and computerized transaction cycles. **Same as** ACTG 475. 3 undergraduate hrs. 4 graduate hrs. Extensive computer use required.
Prerequisite(s): ACTG 211 and IDS 200.

IDS 476 3 OR 4 hrs.
Business Forecasting Using Time Series Methods
 Autoregressive, moving average, and seasonal models for time series analysis and business forecasting. Forecasting using multivariable transfer function models is also included. **Same as** ECON 450. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IDS 371 or ECON 346 or consent of the instructor.

IDS 478 3 OR 4 hrs.**Regression Analysis**

Data collection and exploration; model building; variable least squares; residual analysis; variable selection; multicollinearity; ridge regression; nonlinear regression; nonparametric regression. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** IDS 371.

IDS 494 3 OR 4 hrs.**Topics in Information and Decision Sciences**

Topics vary; selected readings; case analysis. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s) if topics vary. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

IDS 495 4 hrs.**Competitive Strategy**

Multidisciplinary analysis of organizational strategy and policy using case method and/or business simulation. Assignments involve extensive library research and oral and written reports. **Prerequisite(s):** Senior standing in the College of Business Administration and completion of all other CBA Core courses, or consent of the instructor.

IDS 499 1–3 hrs.**Independent Study in Information and Decision Sciences**

Intensive study of selected topics determined in consultation with the instructor and department head. May be repeated to a maximum of 9 hrs. Students may register in more than one section per term. **Prerequisite(s):** Major in Information and Decision Sciences and consent of the instructor.

Information Technology**IT 101 3 hrs.****Java Programming for Information Technology**

Elementary data types, arithmetic and logical operations, control structures and error handling, methods and functions, introduction to object-oriented programming design and implementation. Emphasis is placed on the development of problem-solving skills. **Prerequisite(s):** Grade of C or better in MATH 121.

Recommended background: CS 100 or basic computer literacy.

IT 201 3 hrs.**Introduction to Computer Configuration and Operating System Software**

Introduction to concepts of computer configuration, and operating system software. Comparisons of commercially available CPU families, peripherals, system performance and evaluation. Discussions of technological developments and commercially available systems. **Prerequisite(s):** Credit or concurrent registration in IT 101 or credit or concurrent registration in CS 102 or CS 107.

IT 202 3 hrs.**Web and Multimedia Technology**

Introduction to Internet, multimedia concepts, protocols, and tools. HTML document markup language. Web site design. Script programming for interactive Web pages. Creating, editing images, video, and audio for Internet use. Programming exercises.

Prerequisite(s): Credit or concurrent registration in IT 101 or credit or concurrent registration in CS 102 or CS 107.

IT 301 3 hrs.**Networks and Distributed Computing Technology**

Introduction to the use of computers on a network. Installation and configuring of networking components: Firewalls, name-server and gateways. Use of both wired and wireless networks.

Prerequisite(s): IT 201.

IT 302 3 hrs.**Database Administration and Installation**

A study of the use of existing databases (bibliographic and non-bibliographic formats), their data structure, processing and retrieval data, integrity and security, and interface design issues.

Prerequisite(s): IT 202.

Interdisciplinary Public Health Sciences**IPHS 415 3 OR 4 hrs.****Foundations in Anthropology and Global Health I**

Explores the field of cultural medical anthropology and provides a theoretical foundation allowing for understanding and exploration of anthropology's role in international health. **Same as** ANTH 415. 3 undergraduate hrs. 4 graduate hrs.

Prerequisite(s): Grade of B or better in ANTH 216; and junior standing or above; or consent of the instructor.

IPHS 416 3 OR 4 hrs.**Foundations in Anthropology and Global Health II**

Provides an evolutionary and biocultural approach to human biology, physiology, health, and disease. **Same as** ANTH 416.

3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Grade of B or better in ANTH 232; and junior standing or above; or consent of the instructor.

Interdisciplinary Studies in the Arts**ISA 100 1 hr.****Freshman Seminar: Introduction to Interdisciplinary Practice in the Arts**

Focuses on methods of making connections in which students will have the opportunity to engage in relevant interdisciplinary inquiry and practice. Satisfactory/Unsatisfactory grading only. Fieldwork required. **Prerequisite(s):** Open only to freshmen.

ISA 200 3 hrs.**Introduction to Interdisciplinary Arts**

Introductory topics course that explores the interdisciplinary thematic ties between the arts and humanities. Topics will vary between the visual and performing arts. May be repeated to a maximum of 6 hrs.

Prerequisite(s): ENGL 161.

ISA 299 0–18 hrs.**College of Architecture and the Arts Study Abroad**

Provides credit for foreign study. Student's proposal for study abroad must have prior approval of the major department or school and the College of A&A office. Final determination of credit is made on student's portfolio and completion of work. May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year. **Prerequisite(s):** Junior standing or above; and approval of the department, the College of Architecture and the Arts, and the Study Abroad Office.

ISA 300 3 hrs.**Interdisciplinary Topics**

Studies in interdisciplinary arts which will explore significant and relevant topics in the visual and performing arts. May be repeated to a maximum of 6 hrs.

Prerequisite(s): ENGL 161 and junior standing or above.

ISA 400 3 OR 4 hrs.**Advanced Topics in Interdisciplinary Arts**

Exploration of advanced topics in interdisciplinary arts which include architecture, art and design, art history, music, and theatre. 3 undergraduate hrs. 4 graduate hrs. May be repeated up to 1 time(s).

International Studies**INST 106 3 hrs.****The World since 1400**

Overview of historical developments creating an interconnected world. Explorations, rise of capitalism, European colonialism, nationalism and development, the predicaments of postcolonial societies. **Same as** HIST 106. *Past, and World Cultures course.*

INST 114 3 hrs.**Topics in World History**

Introduction to history through global events and the historical development of diverse cultural, religious, social, economic, and political institutions. **Same as** HIST 114. May not be repeated for credit. *Past course.*

INST 130 3 hrs.**Introduction to Comparative Politics**

Comparative study of political institutions, political culture, and political processes in selected major countries of the world. **Same as** LALS 130 and POLS 130. *Individual and Society, and World Cultures course.*

INST 184 3 hrs.**Introduction to International Relations**

Political, military, and economic relations between states, international organizations, and transnational actors. Problems of war, imperialism, and the world economy. Prospects for global cooperation. **Same as** POLS 184. *Individual and Society, and World Cultures course.*

INST 221 3 hrs.**Macroeconomics in the World Economy: Theory and Applications**

Determinants of the level of economic activity, inflation, unemployment, international economics, impact of domestic and world economy on business decisions, applications of the theory. **Same as** ECON 221. **Prerequisite(s):** ECON 130, or both ECON 120 and ECON 121; and MATH 160.

INST 250 3 hrs.**Eastern and Western Philosophies of Religion**

Eastern and Western philosophies of religion: Hinduism, Buddhism, Judaism, and Christianity. **Same as** RELS 250. *World Cultures course.*

INST 283 3 hrs.**International Political Economy**

Political underpinnings and ramifications of international economic relations. Foreign trade policy, multinational corporations, oil, North-South relations, economic warfare. **Same as** POLS 283. **Prerequisite(s):** POLS 184 or INST 184 or consent of the instructor.

INST 284 3 hrs.**International Security**

International conflict and cooperation, including war, nationalism, global inequality, and the environment. **Same as** POLS 284. **Prerequisite(s):** POLS 184 or INST 184 or consent of the instructor.

INST 301 3 hrs.**Seminar in International Studies**

Seminar in international studies addressing global themes and issues. Content varies. Specific topics are announced each term. May be repeated to a maximum of 6 hours if topics vary. Previously listed as LAS 301. **Prerequisite(s):** Junior standing or consent of the instructor.

INST 333 3 hrs.**International Economics**

The balance of payments; fixed, flexible, and multiple exchange rates; capital flows; comparative advantage; tariffs and subsidies; the factor price equalization theorem. **Same as** ECON 333. **Prerequisite(s):** ECON 218 or ECON 220 or ECON 221 or INST 221.

INST 334 3 hrs.
Economic Development
 Characteristics of poor countries, past experience and its relevance, analytical approaches, the role of exposure to foreign factors, planning, and other policies. **Same as ECON 334. Prerequisite(s):** ECON 218 or ECON 220 or ECON 221 or INST 221.

INST 349 3 hrs.
Topics in Comparative Politics
 Selected problems in comparative politics. **Same as** POLS 349. May be repeated to a maximum of 6 hours if topics vary. **Prerequisite(s):** POLS 130 or INST 130 and POLS 200.

Italian

ITAL 101 4 hrs.
Elementary Italian I
 Practice in listening and speaking. Development of writing and reading skills. Basic grammar. Credit is not given for ITAL 101 if the student has credit in ITAL 110; or already has taken ITAL 102, ITAL 103 or ITAL 104; or has completed any 200-, 300-, 400-, or 500-level Italian courses; or has placed into ITAL 102 or above. One additional hour each week in the language laboratory. For students without credit in Italian.

ITAL 102 4 hrs.
Elementary Italian II
 Continuation of ITAL 101. Development of communication skills, using basic grammatical structures. Credit is not given for ITAL 102 if the student has credit in ITAL 110; or has already taken ITAL 103 or 104; or has completed any 200-, 300-, 400-, or 500-level Italian courses; or has placed into ITAL 103 or above. One additional hour each week in the language laboratory. In the summer this course may be available in Siena, Italy. **Prerequisite(s):** Grade of C or better in ITAL 101; or appropriate score on the department placement test.

ITAL 103 4 hrs.
Intermediate Italian I
 Greater stress on writing and reading skills. Emphasis on accuracy in oral skills. Finer points of grammar. Credit is not given for ITAL 103 if the student already has taken ITAL 104; or has completed any 200-, 300-, 400-, or 500-level Italian courses; or has placed into ITAL 104 or above. One additional hour each week in the language laboratory. In the Summer this course may be available in Siena, Italy. **Prerequisite(s):** ITAL 102 or ITAL 110; or appropriate score on the department placement test.

ITAL 104 4 hrs.
Intermediate Italian II
 Continuation of ITAL 103. Emphasis on writing and reading skills, without forgoing oral practice. Review of grammar. Credit is not given for ITAL 104 if the student has completed any 200-, 300-, 400-, or 500-level Italian courses. One additional hour each week in the language laboratory. In the Summer this course may be available in Siena, Italy. **Prerequisite(s):** ITAL 103; or appropriate score on the department placement test.

ITAL 180 3 hrs.
Italian Cinema
 Italian films and film movements since World War II and the advent of neorealism as seen through films directed by recognized masters of Italian cinema. Taught in English. Films screened with English subtitles. *Creative Arts course.*

ITAL 190 3 hrs.
Italian Literature in Translation I
 Development from origins through the seventeenth century. Discussion of major works of Boccaccio, Ariosto, Machiavelli. Credit is not given for ITAL 190 if the student has credit in ITAL 210. Credit earned may not be applied toward the Italian major or minor.

ITAL 193 3 hrs.
The Divine Comedy
 An in-depth study of the *Divine Comedy*, read in English, against the philosophical and theological background of the Middle Ages. **Same as** CST 193 and RELS 193. Taught in English. *Creative Arts course.*

ITAL 196 3 hrs.
Totalitarianism, Writing, and Cinema
 An introduction to French, Spanish, and Italian writing and films dealing with the issue of totalitarianism. Various authors are examined within a broad context of European thinking on totalitarianism. **Same as** FR 196 and SPAN 196. Taught in English. Two additional hours for viewing films (every two weeks). **Prerequisite(s):** Consent of the instructor.

ITAL 200 3 hrs.
Conversational Italian
 Intensive practice in conversation to develop oral facility, enrich vocabulary, and improve pronunciation. Language laboratory required. **Prerequisite(s):** ITAL 104 or placement by the department. Intended for students of non-Italian background.

ITAL 201 3 hrs.
Italian Composition and Conversation
 Advanced conversation with emphasis on grammatical accuracy and pronunciation. Practice in translation and free composition. Language laboratory required. **Prerequisite(s):** ITAL 200 or native speaker.

ITAL 210 3 hrs.
Introduction to Reading and Analysis of Italian Literary Texts
 Close reading of Italian prose and poetry, and training in writing of critical analyses. Credit is not given for ITAL 210 if the student has credit in either ITAL 190 or ITAL 191. **Prerequisite(s):** ITAL 104. *Creative Arts course.*

ITAL 230 3 hrs.
Italian Culture and Civilization
 Development of Italian culture from earliest times to the present: philosophy, art, architecture, music, society, cinema, electronic media. **Prerequisite(s):** ITAL 201 or consent of the instructor.

ITAL 240 4 hrs.
Rapid Italian Language for Spanish Speakers
 Comparative linguistic differences between Spanish and Italian; practice in speaking, reading, and writing. **Prerequisite(s):** Native speakers of Spanish, or any 200-level Spanish courses, or consent of the instructor.

ITAL 303 3 hrs.
Advanced Italian Composition and Conversation
 Intensive training in oral and written expression based on the study of contemporary Italian texts. Grammar review. **Prerequisite(s):** ITAL 201.

ITAL 305 3 hrs.
Advanced Italian Grammar
 Systematic study of syntax and morphology. **Prerequisite(s):** ITAL 201 or consent of the instructor.

ITAL 310 3 hrs.
Early Italian Literature and Society
 Representative figures and literary works from the beginning through the sixteenth century, considered in their social, cultural, and literary settings: Petrarch, Boccaccio, Machiavelli, Ariosto, Tasso. **Prerequisite(s):** ITAL 210 or consent of the instructor.

ITAL 311 3 hrs.
Modern Italian Literature and Society
 Italian literary movements through the nineteenth and twentieth centuries, considered in their historical setting. Romanticism and Risorgimento; before and after Fascism: from Verga to Eco. **Prerequisite(s):** ITAL 210 or consent of the instructor.

ITAL 370 1 hr.
Writing and Research in the Major
 Perfecting writing and expository skills in English. Required for majors in the department. **Same as** FR 370 and SPAN 370. **Prerequisite(s):** Junior or senior standing and approval of the department.

ITAL 399 1-3 hrs.
Independent Study
 For majors and minors in Italian who wish to supplement regular courses or undertake individual study projects. May be repeated to a maximum of 6 hrs. Students may register in more than one section per term. **Prerequisite(s):** Approval of the department.

ITAL 411 3 OR 4 hrs.
Literary Forms in Early Renaissance
 The development of Epic Poetry (Pulci, Boiardo, Ariosto) within the literary, political, and social context (Machiavelli and Castiglione). 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 310 or consent of the instructor.

ITAL 412 3 OR 4 hrs.
Literary Forms in Late Renaissance and Baroque
 Representative literary works of the genres of the late sixteenth and seventeenth centuries: Epic poem of Tasso and poetry of Marino. The birth of the *Commedia dell'Arte* form. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 310 or consent of the instructor.

ITAL 421 3 OR 4 hrs.
Modern Italian Literature II
 From Romanticism to Decadentism: emphasis on the work of Leopardi and Manzoni; analysis of poems by Carducci, Pascoli, D'Annunzio, Gozzano. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 311 or consent of the instructor.

ITAL 422 3 OR 4 hrs.
Contemporary Italian Literature
 The novel from Verismo to Umberto Eco: readings from Verga, Svevo, Moravia, Calvino. Hermetic poetry: emphasis on Ungaretti, Montale, Sereni, Luzi. Theater: From Pirandello to Fo. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 322 or consent of the instructor.

ITAL 450 3 OR 4 hrs.
Divina Commedia I
 An in-depth study of the *Divine Comedy* against the philosophical and theological background of the Middle Ages. Covers Inferno and half of Purgatorio. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 310 or consent of the instructor.

ITAL 451 3 OR 4 hrs.
Divina Commedia II
 An in-depth study of the *Divine Comedy* against the philosophical and theological background of the Middle Ages. Covers Paradiso and half of Purgatorio. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** ITAL 310 or consent of the instructor.

ITAL 461 6 hrs.
Educational Practice with Seminar I

The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department.

ITAL 462 6 hrs.
Educational Practice with Seminar II

The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Graduate credit only with approval of the department. **Prerequisite(s):** Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in ITAL 461, and approval of the department.

ITAL 494 3 OR 4 hrs.
Special Topics

Topics will vary from term to term and may cover such areas as literary theory or culture. **Same as** FR 494 and SPAN 494. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term. Taught in English. **Prerequisite(s):** Junior standing or above; and approval of the department.

Japanese

JPN 101 4 hrs.
Elementary Japanese I

Basic grammar. Conversation. Reading and writing in the two Japanese syllabaries. Introduction to selected Chinese characters. Four additional half hours each week in the language laboratory.

JPN 102 4 hrs.
Elementary Japanese II

Continuation of JPN 101. Four additional half hours each week in the language laboratory. **Prerequisite(s):** JPN 101.

JPN 103 4 hrs.
Intermediate Japanese I

Completion of basic grammar. Practice in conversation. Reading and writing in the two Japanese syllabaries and in selected Chinese characters. Four additional half hours each week in the language laboratory. **Prerequisite(s):** JPN 102 or the equivalent.

JPN 104 4 hrs.
Intermediate Japanese II

Reading and writing of elementary prose using the two Japanese syllabaries. Reading and writing in selected Chinese characters. Four additional half hours each week in the language laboratory. **Prerequisite(s):** JPN 103 or the equivalent.

JPN 196 1–4 hrs.
Independent Study

Individual study under faculty direction for qualified students with special interests and needs. May be repeated to a maximum of 8 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

JPN 200 3 hrs.
Advanced Spoken Japanese

Emphasis on advanced oral and aural proficiency. Expression of cultural and personal topics using formal and informal language. **Prerequisite(s):** JPN 104; or consent of the instructor.

JPN 215 3 hrs.
Japanese Language and Culture

Survey of the development of cultural traits and values throughout Japanese history, and the basic characteristics of Japanese grammar. Focus on the way in which grammar and vocabulary use reflect those traits and values. **Same as** LING 215. *World Cultures course.*

Jewish Studies

JST 101 3 hrs.
Introduction to Jewish Studies: Literature and Society

Introduction to major themes, issues, writers, and contexts of modern Jewish literature. Primary focus on the connections between these literary texts and contemporary Jewish existence. *Individual and Society, and U.S. Society course.*

JST 102 3 hrs.
Introduction to Jewish Studies: Religion and Culture

Overview of Jewish socioeconomic and political structures in historical context. Primary focus on contemporary social issues, such as immigration, assimilation, intermarriage, and anti-Semitism. *Individual and Society, and U.S. Society course.*

JST 103 3 hrs.
Israel Studies: Narratives of a Complex Society

Introduction to major themes, issues, writers, and contexts of the founding, establishment, and conflicts of the modern state of Israel. *Past, and World Cultures course.*

JST 115 3 hrs.
Understanding the Bible as Literature

A broad overview of various literary genres in the Bible such as origin narrative, historical narrative, poetry, wisdom literature, prophetic/apocalyptic literature, parable, and epistle. **Same as** ENGL 115 and RELS 115. *Creative Arts, Past, and World Cultures course.*

JST 116 3 hrs.
Jewish American Literature of the 20th Century

Introduction to ways of analyzing literature within the specific thematic and cultural lens of

Judaism, focusing on major works of literature in a variety of genres throughout the twentieth century. **Same as** ENGL 116.

JST 117 3 hrs.
Understanding the Holocaust

Holocaust of European Jewry as the result of anti-Semitic ideology and the development of modern German political forces; implementation of the Final Solution. **Same as** HIST 117. *Individual and Society, and Past course.*

JST 122 3 hrs.
Minority Perspectives in the Germanic Context

Investigation of the challenges and/or opportunities of multicultural societies by examining in a sociohistorical context texts created by members of Europe's ethnic, religious, and national minorities. **Same as** GER 122. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts, and World Cultures course.*

JST 123 3 hrs.
Introduction to Yiddish Culture and Literature

Yiddish culture in Europe and the U.S. in sociohistorical context. Focus on the role of Yiddish in conceptions of secular, cultural, religious, national Jewish identities. **Same as** GER 123. No graduation credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts, and World Cultures course.*

JST 124 3 hrs.
Hebrew Bible

A study of the Five Books of Moses (a.k.a. Torah or Pentateuch) within the contexts of the ancient Near East and biblical literature. **Same as** CL 124 and RELS 124. Taught in English. *Past course.*

JST 125 3 hrs.
Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film

Literature and films on European Jewish responses to anti-Semitism and persecution in a historical context to reveal the condition of post-Enlightenment German-speaking Jewish and Yiddish-speaking societies. **Same as** GER 125. No credit toward a major or minor program offered by the Department of Germanic Studies. Taught in English. *Past, and World Cultures course.*

JST 203 3 hrs.
Israel Film: Aspects of History, Life, and Culture

Exploration of major themes related to life in Israel via its national cinema. Historical, social, and cultural aspects of Israeli society are examined through film. *World Cultures course.*

JST 225 3 hrs.
Topics in Muslim-Jewish Relations

Muslim-Jewish interactions from the rise of Islam until contemporary times, the relationship between Biblical and Qur'anic materials, the Jewish and Islamic interpretive tradition and the legal systems of the two religious traditions. **Same as** CL 225 and RELS 225.

JST 235 3 hrs.
Introduction to Jewish Thought I

Introduces students to the fundamental Jewish texts, theology, and thought of the Rabbinic period (100CE–900 CE). Topics include: ethics, authority, sexuality, exegesis, and law. **Same as** CL 235 and RELS 235.

Prerequisite(s): Sophomore standing or above.

JST 240 3 hrs.
Philosophy and Revelation: Jewish and Christian Perspectives

Introduction to philosophical ways of addressing the claim that a book (the Bible, the Qur'an) comes from God. Texts by Immanuel Kant, Moses Mendelssohn, and Søren Kierkegaard, among others. Previously listed as JST 141. **Same as** RELS 240 and PHIL 240. **Prerequisite(s):** Two courses in philosophy or consent of the instructor. *Individual and Society, and World Cultures course.*

JST 242 3 hrs.
The History of Jewish Biblical Interpretation

Jewish interpretation of the Hebrew bible. A survey of the span of Jewish history and the wide range of cultural contexts that have impacted the understanding of the Torah. **Same as** CL 242 and RELS 242. *Past course.*

JST 243 3 hrs.
Politics and Government of the Middle East

Contemporary Middle East political institutions, culture, processes, and conflicts. Emphasis on interaction of traditional and modern forces, such as Islam, nationalism, political elites, ideologies, states. **Same as** POLS 243. **Prerequisite(s):** POLS 130 or POLS 190; or consent of the instructor. *World Cultures course.*

JST 254 3 hrs.
Prophets in Judaism and Islam

A cross-cultural survey of prophets. Texts include the Hebrew Bible, the Qur'an and Islamic and Jewish exegetical material. **Same as** CL 254 and RELS 254. *Past course.*

JST 294 3 hrs.
Topics in Jewish Studies

How Jews became a modern ethnic group, how their experiences compare with other ethnic groups, and how their experiences in modern times vary from nation to nation. May be repeated to a maximum of 6 hrs.

JST 311 3 hrs.
Gender and Sexuality in Early Christianity and Judaism
Examination of the root of contemporary perspectives on gender and sexuality in the early traditions of Judaism and Christianity including the Bible, the Epic of Gilgamesh, the Church Fathers, the Talmud, and legends of the saints. **Same as** GWS 311 and RELS 311.

JST 394 3 hrs.
Topics in Jewish Studies
Selected topics in Jewish culture and history. May be repeated to a maximum of 9 hrs. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

JST 478 3 OR 4 hrs.
The Bible as Literature
Literary analysis of the English Bible (including the Apocrypha) in its historical and religious contexts; study of the King James Version and successive revisions of it. **Same as** ENGL 478 and RELS 478. 3 undergraduate hrs. 4 graduate hrs. **Prerequisite(s):** Grade of C or better in ENGL 240; and grade of C or better in ENGL 241 or grade of C or better in ENGL 242 or grade of C or better in ENGL 243; or consent of the instructor.

JST 494 3 OR 4 hrs.
Topics in Jewish Studies
Selected topics in Jewish studies. 3 undergraduate hrs. 4 graduate hrs. May be repeated to a maximum of 6 hours if topics vary. **Prerequisite(s):** JST 101 or JST 102 or consent of the instructor.

Kinesiology

KN 100 2 hrs.
Kinesiology and Nutrition: First-year Seminar
Core course emphasizing the tools necessary for academic success in the transition from high school or a community college to the university level. Careers, professional organizations, resources, and issues that impact the field are also presented. Satisfactory/Unsatisfactory grading only.

KN 101 2–4 hrs.
Practicum in Kinesiology
This course will provide students with the opportunity to visit multiple job sites related to their career objectives and interests. Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 4 hrs. Fieldwork required. Students must provide their own transportation to and from practicum sites. **Prerequisite(s):** KN 100 or consent of the instructor.

KN 130 3 hrs.
Stress Management
Introduction to stress and its effects on health, with experiential application of coping strategies and relaxation techniques. Addresses conventional and innovative approaches, with a special emphasis on the role of exercise.

KN 136 1 hr.
Weight Training I
Introduction to weight training. Muscle physiology; training principles, fundamentals, and practice; types and systems of strength training.

KN 137 1 hr.
Aerobic Conditioning I
Evaluation of each student's level of cardiovascular fitness, followed by participation in an individualized exercise program. Variable training modes. Discussion on fitness-related topics.

KN 194 1–3 hrs.
Special Topics in Kinesiology
Participation and study in selected activities in kinesiology. May be repeated if topics vary. Students may register in more than one section per term.

KN 200 3 hrs.
Statistical Methods in Kinesiology and Nutrition
An introduction to statistics and the scientific method, including the application of selected statistical treatments to gain minimal competence to review and interpret results from research published in the area of kinesiology and nutrition. **Prerequisite(s):** MATH 121.

KN 240 3 hrs.
Instructional Techniques in Fitness
Development of instructional techniques for a variety of activities related to health promotion. Course includes planning and teaching techniques for developing programs in fitness using a variety of exercise modalities. **Prerequisite(s):** KN 251; or consent of the instructor.

KN 243 3 hrs.
Basic Fitness Assessment
This introductory-level course deals with screening and assessing fitness components necessary to assess posture, body composition, strength, flexibility, and cardio-respiratory endurance. Extensive use of instrumentation. **Prerequisite(s):** Sophomore standing or above.

KN 251 5 hrs.
Human Physiological Anatomy I
The structure and function of mammalian cells and tissues and human skeletal, muscular, and nervous systems are discussed. Integrating the functions of the various systems is emphasized. **Prerequisite(s):** BIOS 100 or consent of the instructor.

KN 252 5 hrs.
Human Physiological Anatomy II
The structure and function of the human endocrine, circulatory, respiratory, digestive, sensory, and reproductive systems are discussed. Integrating the functions of the various systems is emphasized. **Prerequisite(s):** KN 251 or consent of the instructor.

KN 253 4 hrs.
Human Anatomy and Physiology I
The structure and function of mammalian cells and tissues and human skeletal, muscular and nervous systems are discussed. Integrating the functions of the various systems is emphasized. Credit is not given for KN 253 if the student has credit for KN 251. Extensive computer use required. **Prerequisite(s):** BIOS 100 or consent of the instructor.

KN 254 4 hrs.
Human Anatomy and Physiology II
The structure and function of the human endocrine, circulatory, respiratory, digestive, sensory, and reproductive systems. Emphasis on integrating the functions of the various systems. Credit is not given for KN 254 if the student has credit for KN 252. Extensive computer use required. **Prerequisite(s):** KN 253; or KN 251.

KN 261 3 hrs.
Applied Musculoskeletal Anatomy
Designed to provide a foundational knowledge base regarding the structure of the human musculoskeletal system as it relates to movement and function. **Prerequisite(s):** KN 251.

KN 294 1–3 hrs.
Special Topics in Kinesiology
Selected topics in kinesiology. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** Consent of the instructor.

KN 300 3 hrs.
Literature Review in Kinesiology
Review of current literature topics in kinesiology. Critical evaluation of methodology, results, discussion, and the significance to the scientific community. **Prerequisite(s):** KN 200 or PSCH 242; and junior standing or above; or consent of the instructor.

KN 330 3 hrs.
Women's Health-Related Fitness
The integration of social and physiological sciences to explore the relationship between women's health status and physical activity/exercise participation. **Prerequisite(s):** KN 352 and junior standing or above; or consent of the instructor.

KN 331 3 hrs.
Sport and Exercise Injury Management
Fundamental management of exercise and sport related injuries and conditions. **Prerequisite(s):** KN 252 and KN 261; and junior standing or above.

KN 335 3 hrs.
Exercise Psychology
Presents the psychological basis for exercise motivation, behavior and outcomes. Focus on application of theoretical models of

exercise adherence and psychological strategies to improve participation in regular exercise. **Prerequisite(s):** PSCH 100.

KN 340 2 hrs.
Aquatic Fitness Leadership
Methods and techniques of water-based activities for healthy or special needs populations in the water. Students will work with equipment used in the water to enhance fitness levels: cardiovascular, muscular strength and endurance. **Prerequisite(s):** KN 240.

KN 343 3 hrs.
Advanced Fitness Assessment
This laboratory-based course is designed to provide a variety of experiences in conducting advanced assessment techniques in health and fitness. **Prerequisite(s):** KN 243 and KN 345 and KN 352 and junior standing or above.

KN 345 3 hrs.
Exercise Programming
Introduction to the theory of exercise program design for various populations as well as for individual needs. Application of principles to all domains of exercise; cardiovascular, muscular strength and endurance, and flexibility. **Prerequisite(s):** KN 240 and KN 243 and KN 352 and junior standing or above; or approval of the department.

KN 348 3 hrs.
Modifications in Exercise Programming
This course examines the criteria for exercise and fitness participation and the modifications necessary to benefit people with limiting physical conditions. **Prerequisite(s):** KN 345 and junior standing or above.

KN 350 1–3 hrs.
Cadaver Dissection I
Cadaver dissection using the regional approach. Dissection of the musculoskeletal system, spinal cord and peripheral nervous system. **Prerequisite(s):** Grade of B or better in KN 252 or consent of the instructor.

KN 351 1–3 hrs.
Cadaver Dissection II
Cadaver dissection using the regional approach method. Dissection of the brain, cardiovascular, respiratory, digestive, urinary and reproductive systems. **Prerequisite(s):** Grade of B or better in KN 252 or consent of instructor.

KN 352 4 hrs.
Physiology of Exercise
The physiological responses associated with acute and chronic physical exercise; muscular, circulatory, respiratory, and nervous systems. **Prerequisite(s):** KN 252.

KN 361 3 hrs.**Biomechanics: Introduction to the Human Machine**

Introduces the nonengineering/physics student to the science of mechanics with particular emphasis on the application of mechanics to the analysis of normal and pathological human and animal movement.

Prerequisite(s): MATH 121 and KN 261, or consent of the instructor.

KN 372 3 hrs.**Motor Control and Learning**

Introduction to basic principles regarding the acquisition and control of human movements.

Prerequisite(s): PSCH 100 and KN 252.

KN 393 6–8 hrs.
Undergraduate Internship in Kinesiology

This course will provide students with a working experience at a professional job site where they can apply the knowledge, skills, and abilities they have learned in the program. Fieldwork required. Students must provide their own transportation to and from internship sites. **Prerequisite(s):** Open only to seniors, approval of the department, and completion of all required courses in the Exercise and Fitness Concentration.

KN 394 3 hrs.
Special Topics in Kinesiology

Selected topics in kinesiology. Flexible course structure designed to accommodate relevant topics beyond the scope of the current course offerings. May be repeated if topics vary. Students may register in more than one section per term. **Prerequisite(s):** KN 100; and sophomore standing or above; and consent of the instructor.

KN 396 1–3 hrs.
Independent Study in Kinesiology

Selected topics in kinesiology for individual study. May be repeated to a maximum of 6 hrs.

Prerequisite(s): Junior standing or above; and consent of the instructor. Approval of student project by the KN 396 instructor and the supervising instructor.

KN 398 3 hrs.
Senior Research Seminar

An in-depth research analysis for the development of a research proposal in the student's area of interest. Review current literature, investigate various research methodologies, review the relevant research policies, and develop a proposed project. Fieldwork may be required. Students successfully completing KN 398 and maintaining a cumulative GPA of 3.25 are eligible to take KN 399 and complete their senior project.

Prerequisite(s): Senior standing or above and a grade point average of 3.25 or higher and approval of the department.

KN 399 3 hrs.**Senior Research Project**

The implementation of the proposal developed in KN 398. Data collection, analysis, and interpretation will provide the basis for the written project. The project will be presented in an open forum to faculty and other students. **Prerequisite(s):** KN 398, senior standing, and a cumulative grade point average of 3.25 or above.

KN 400 3 hrs.**Business Principles for the Fitness Professional**

Provides a survey of basic requisite business principles and the application of these principles for students pursuing careers in corporate and community fitness.

Prerequisite(s): KN 100; and junior standing or above.

KN 410 3 hrs.**Aging and the Neuromusculoskeletal System**

Introduction to aging with a focus on its impact on the physical structure and function of the neural, muscular, and skeletal systems; the mechanics through which the trajectory of aging can be potentially modified.

Prerequisite(s): KN 252; and junior standing or above.

KN 435 3 hrs.**Psychology and Physical Activity**

Analysis and application of psychological concepts related to process and outcomes of sport and exercise programs.

KN 438 3 hrs.**Exercise Adherence**

Exercise behavior as it relates to habitual physical activity. Encompasses health outcomes, exercise adherence factors, intervention, strategies, and exercise settings.

KN 441 3 hrs.**Muscle Physiology**

Examination of skeletal muscle function during physical activity and adaptations of skeletal muscle that occur with exercise training, inactivity, and aging.

Prerequisite(s): KN 352 and junior standing or above; or consent of the instructor.

KN 442 3 hrs.**Principles of ECG Interpretation**

Introduction to the basic principles and interpretation of the electrocardiogram (ECG) as it relates to fitness programs involving the apparently healthy as well as cardiac rehabilitation patients.

Prerequisite(s): Grade of C or better in KN 352; and junior standing or above; or consent of the instructor.

KN 452 3 hrs.**Advanced Exercise Physiology**

Review of research in exercise physiology on topics currently addressed in the research literature. The first half of the semester will address factors affecting performance. The second half will

address health and disease factors.

Prerequisite(s): KN 352; and junior standing or above and one college-level course in chemistry.

KN 460 3 hrs.**Neuromechanical Basis of Human Movement**

Biomechanics of single and multi-joint systems, and its role in neural control of movement.

Mechanisms of acute adaptations, including warm-up, fatigue and potentiation, and chronic adaptations arising from reduced use or training. **Prerequisite(s):** KN 252 and junior standing or above; or consent of the instructor.

KN 465 3 hrs.**Biomechanics of the Neuromusculoskeletal Systems**

Introduces the nonengineering/physics student to the biomechanics of the neural, muscular, and skeletal systems. The course focuses on normal structure-function of tissues and joints, injury and prevention.

Prerequisite(s): KN 361 or one year of college physics; or consent of the instructor.

KN 472 3 hrs.**Movement Neuroscience**

Overview of the human nervous system. Emphasis is placed on the basic functional anatomical and physiological concepts relevant to the organization and execution of movement.

Prerequisite(s): KN 251 and KN 252 and KN 352 and KN 372; and junior standing or above; or consent of the instructor.

KN 475 3 hrs.**Movement Disorders**

Examines basic and applied understanding of the neural changes in motor function in disease and disorders of movement. This will include peripheral and central motor deficits.

Prerequisite(s): KN 352 and KN 372; and junior standing or above.

KN 481 1–3 hrs.**Workshop in Kinesiology**

Intensified study of selected activities, topics, processes, or areas in kinesiology. Topic will be announced. May be repeated if topics vary. Students may register in more than one section per term.

KN 489 1–3 hrs.**Seminars in Kinesiology**

Weekly seminars devoted to research in kinesiology and related fields, followed by a one-hour discussion. Satisfactory/Unsatisfactory grading only. May be repeated. **Prerequisite(s):** Junior standing or above.

KN 496 1–3 hrs.**Special Projects in Kinesiology**

Independent research on special projects. **Prerequisite(s):** Approval by graduate faculty member and graduate director.

Latin**LAT 101 4 hrs.****Elementary Latin I**

Fundamentals of the Latin language. Grammar and reading. For students who have no credit in Latin. One additional hour of computer-assisted instruction each week.

LAT 102 4 hrs.**Elementary Latin II**

Continues LAT 101. Grammar and reading. One additional hour of computer-assisted instruction each week. **Prerequisite(s):** LAT 101 or the equivalent.

LAT 103 4 hrs.**Intermediate Latin I**

Introduction to Roman historians and oratory. Selections from Cicero, Sallust, Livy, and other Latin prose writers. Review of forms and grammar.

Prerequisite(s): LAT 102 or the equivalent.

LAT 104 4 hrs.**Intermediate Latin II**

Completes study of Latin at intermediate level. Latin poetry as well as prose and grammar.

Prerequisite(s): LAT 103 or the equivalent.

LAT 299 3 hrs.**Independent Reading**

Individual study under faculty direction. For students qualified by preparation and interest. May be repeated. Students may register in more than one section per term. **Prerequisite(s):** LAT 104 or the equivalent.

LAT 499 3 OR 4 hrs.**Independent Reading**

Individual study under faculty direction. 3 undergraduate hrs. 4 graduate hrs. May be repeated. Students may register in more than one section per term.

Prerequisite(s): 4 hours in Latin at the 200-level or the equivalent.