

Undergraduate Catalog, 2001-2003

Course Descriptions

Accounting

ACCT 101 Introduction to Accounting I: Principles of Financial Accounting

Study of accounting process and use of accounting information in business decisions. Topics include accounting equation, data accumulation, accounting cycle, financial reports, and basic accounting principles. Also available through External Studies Program in print-based and Internet formats. (3)

ACCT 102 Introduction to Accounting II: Principles of Managerial Accounting

Accumulation and use of accounting information by management in planning and controlling business activities. Topics include cost accounting, cost-volume-profit relationships, and budgets. Also available through External Studies Program in print-based and Internet formats. Prereq: Acct 101. (3)

ACCT 201 Business Law I

Background, development, and institutional setting of controls; economic significance of law as formal agency of social control; law of business contracts; agency principles with emphasis on business ethics. Legal and equitable principles as they relate to business associations: partnerships, limited partnerships, and corporations. Ways in which common law is developed and modified by statute, including Uniform Commercial Code. Also available through External Studies Program. (3)

ACCT 202 Business Law II

Commercial transactions. Essential for those majoring in accounting. Commercial transactions law under Uniform Commercial Code. Lectures, cases, and problems related to personal property, sales, bulk sales, documents of title, negotiable instruments, secured transaction, bank deposits and collections, carriers, and bailments; legal problems affecting commercial transactions in business community; application of rules under common law as modified by Uniform Commercial Code. Prereq: Acct 201. (3)

ACCT 304 Intermediate Accounting I

Generally accepted accounting principles; conceptual framework underlying financial accounting, measurement and recognition of assets, and measurement and recognition of liabilities. Prereq: Acct 102. (3)

ACCT 305 Intermediate Accounting II

Continuation of Acct 304. Stockholders' equity, income measurement theory, and preparation and analysis of financial statements. Prereq: Acct 304. (3)

ACCT 306 Governmental and Nonprofit Accounting

Accounting and financial reporting principles of governmental and nonprofit organizations. Fund accounting principles, budgetary accounting, and financial reporting practices. Prereq: Acct 102. (3)

ACCT 307 Income Tax Law and Procedure

Income tax fundamentals and taxation of individuals. Gross income, exclusions, deductions, exemptions, credits, and transactions in property. Prereq: Acct 102. (3)

ACCT 313 Cost and Managerial Accounting

Accumulation and analysis of accounting information for management decisions. Job lot and process cost accumulation; master budgets and responsibility accounting; flexible budgets, standards, and variance analysis; relevant costs for decision making; joint costs and cost allocation. Also available through External Studies Program. Prereq: Acct 102. (3)

ACCT 320 Advanced Accounting

Accounting theory for partnerships and fiduciaries; advanced corporate concepts. Investments, business combinations, branches, consolidated financial statements, corporate reorganizations, installment sales, and consignments. Prereq: Acct 305. (3)

ACCT 328 Accounting Information Systems

Theory and operation of accounting information sys-

tems. Internal control, information flow, computerized transaction processing, systems analysis and design, responsibility centers, and database implementation. Prereq: Acct 304. (3)

ACCT 330 Principles of Auditing

Principles, practices, and procedures employed in examination of financial statements. Professional ethics, auditors' legal responsibility, generally accepted auditing standards, audit procedures, and reports on financial statements. Prereq: Acct 305. (3)

ACCT 337 International Accounting

International standards for accounting, financial statement presentation, and auditing. Accounting for importers, exporters, and multinational corporations. Foreign exchange rates and markets, controlled economy accounting, social responsibility reporting, political bribery, political risk, inflation accounting, and international taxation. Prereq: Acct 304. (3)

ACCT 357 Advanced Taxes

Taxation of corporations, partnerships, and fiduciaries. Tax accounting, tax-free corporate reorganizations and exchanges, and installments sales tax accounting. Practice in preparation of various types of tax returns, tax law reference problems, tax regulations, and commercial tax reference services. Prereq: Acct 307. (3)

ACCT 395 Independent Study in Accounting

Students work under direction of Accounting Department faculty member on projects selected by student and approved by supervising faculty member, department chair, and college dean. (1-3)

Actuarial Science

ACSC 269 Theory of Interest

Mathematics of interest, accumulated value and present value; annuities certain; amortization schedules and sinking funds; bonds and related securities. Prereq: Math 231. (3)

ACSC 300 Linear Algebra

Vector spaces; linear transformations and matrices; inner products and orthogonality; eigenvalues; eigenvectors; and diagonalization. Prereq: Math 231 or

Math 245. (3)

ACSC 328 Linear Programming and Optimization

Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems, games, and network flows. Computer use course. Prereq: Acsc 300 and one programming course. (3)

ACSC 330 Numerical Analysis

Solution of equations by iteration; interpolation; numerical differentiation and integration; numerical solutions to linear systems. Computer use course. Prereq: Math 232, Acsc 300, and one programming course. (3)

ACSC 332 Operations Research

Stochastic methods in operations research. Queuing theory; Markov processes; decision analysis; simulation; stochastic dynamic programming. Computer use course. Prereq: Math 231 and Math 217 or Acsc 342. (3)

ACSC 341 Probability I: Discrete Distributions

Probability models; discrete random variables; discrete distributions; moment generating functions of discrete random variables; simulation; Poisson process; queuing theory. Prereq: Math 231. (3)

ACSC 342 Probability II: Continuous Distributions

Continuous random variables; continuous distributions; moment generating functions of continuous random variables; multivariate distributions and applications. Prereq: Math 233 or concurrent and Acsc 341. (3)

ACSC 343 Statistical Theory and Methodology

Sampling distributions and the Central Limit Theorem; point estimators and confidence intervals; hypothesis testing; elements of analysis of variance and regression theory. Prereq: Acsc 342. (3)

ACSC 349 Regression and Time Series

Simple and multiple linear regression models; time series analysis; applications to forecasting. Use of a statistical computer package, but no previous experience with computers is required. Prereq: Math 231 and Math

238, or Acsc 342. (3)

ACSC 369 Actuarial Mathematics I

Survival distributions and life tables, life insurance, life annuities. Prereq: Acsc 269 or concurrently and Acsc 342. (3)

ACSC 370 Actuarial Mathematics II

Benefit premiums; benefit reserves; multiple life functions; multiple decrement models, valuation theory for pension plans. Prereq: Acsc 369. (3)

ACSC 377 Survival Models

Survival data, survival functions, hazard functions, life tables, comparing two groups of survival data, parametric models of survival data, and sample size for survival studies. Prereq: Acsc 343 or concurrent. (3)

ACSC 378 Topics in Actuarial Mathematics

Selected topics in actuarial models and actuarial modeling. May be repeated for up to six semester hours credit. Prereq: varies; specific prerequisites will be listed in the time schedule. (3)

African-American Studies

AFS 101 Introduction to African Studies

Interdisciplinary approach to understanding the role of Africa and its peoples in world history as well as how Africans shaped their cultures and lives in both ancient and modern times. (3)

AFS 102 Introduction to African-American Studies

Interdisciplinary profile of worldwide experiences of persons of African descent from antiquity to the present. Emphasis is placed on the American experience in the arts, the workplace, politics, religion, and race relations. (3)

AFS 202 African-American Social Psychology

See Psyc 202. (3)

AFS 207 Intro to African-American Literature

See Eng 207. (3)

AFS 228 African-American History, 1619 to 1877

See Hist 228. Prereq: sophomore standing. (3)

AFS 229 African-American History, 1877 to Present

See Hist 229. Prereq: sophomore standing. (3)

AFS 232 African-American History, 1960 to Present

See Hist 232. Prereq: sophomore standing. (3)

AFS 240 African History to 1500, the Pre-Colonial Period

See Hist 240. Prereq: sophomore standing. (3)

AFS 317 The African-American Woman

Relationship of the African-American woman to institutions of society from slavery to present. Social policy issues related to legislation, employment, health care, child care, education, housing, and correction systems and their impact on African-American women. (3)

AFS 318 The African-American Male in America

Historical, psychological, and sociological examination of issues and conflicts concerning the status, identity, and image of the African-American male in contemporary American society. (3)

AFS 327 Race and Ethnic Relations

See Soc 327. Prereq: Soc 101. (3)

AFS 339 The African-American Experience in 20th-Century America

See Hist 339. Prereq: Hist 229 and 232. (3)

AFS 349 North American Slavery

See Hist 349. Prereq: Hist 106, 228, or 229. (3)

AFS 365 Black Chicago's History and Culture, 1770 to 1960

See Hist 365. Prereq: Hist 107, 228, or 229. (3)

AFS 370 History of Africa After 1500

See Hist 370. Prereq: Hist 240. (3)

AFS 371 Modern and Contemporary Africa

See Hist 371. Prereq: Hist 240. (3)

AFS 382 Black Chicago's History and Culture Since 1960

See Hist 382. Prereq: Afs 102 or 229. (3)

AFS 385 Politics of African Americans

See Pos 385. Prereq: Pos 101. (3)

Anthropology

ANTH 210 Introduction to Anthropology

Data and methods of social and biological anthropology; emphasis on field's underlying unity. (3)

ANTH 240 Cross-Cultural Anthropology

Concepts of cultural anthropology are applied in three contemporary non-Western cultures of Latin America, Asia, and Africa; development as it affects traditional ways of life. Topics include economic activities, gender roles, race relations, health, environment, and trends in anthropological fieldwork. (3)

Art

ART 101 Introduction to the Visual Arts

Painting, sculpture, architecture, and film considered in reference to both form and content. (3)

ART 201 Ancient Through Medieval Art

Chief works of architecture, sculpture, and painting in their historical contexts; principal stylistic developments and iconographical themes; reading, systematic viewing, and writing. (3)

ART 202 Renaissance Through Modern Art

Continuation of Art 201. (3)

ART 210 Drawing I

Double period. (3)

ART 211 Drawing II

Double period. Prereq: Art 210. (3)

ART 212 Figure Drawing

Double period. (3)

ART 213 Fundamentals of Graphic Design

Basic design, graphic fundamentals of print and type, and specific steps in producing printed material. See Jour 205. (3)

ART 215 Painting I

Double period. (3)

ART 216 Painting II

Double period. Prereq: Art 215. (3)

ART 225 Photography

Introduction to camera and techniques of shooting and processing film. (3)

ART 226 Ceramics

Introduction to working with clay, hand-building vessels and sculptures, glazing and firing. (3)

ART 246 Arts and Urban Life

Visual art and architecture, literature, film, and dance in relation to the urban environment. How art emerges from and shapes its environment; how the arts function in an urban setting and in contemporary life; how the arts intersect with class, race and gender issues in modern urban life; the role of the artist in modern urban society; how the artist addresses the concerns of the modern world. See also Libs 246. Prereq: UWR. (3)

ART 310-311 Advanced Drawing I and II

Prereq: Art 211. (3)

ART 312 Advanced Figure Drawing

Prereq: Art 212. (3)

ART 313 Advanced Graphic Design

Prereq: Art 213. (3)

ART 314 Computer Graphics

Using the computer as a tool for generating graphics. (3)

ART 315 Advanced Painting I

Prereq: Art 216. (3)

ART 316 Advanced Painting II

Prereq: Art 216. (3)

ART 325 Advanced Photography

Prereq: Art 225. (3)

ART 326 Advanced Ceramics

Prereq: Art 226. (3)

ART 331-35 Advanced Courses in Art History

Single art movement or significant process in development of art. Specific movement chosen varies from semester to semester and may include Impressionism, Cubism, Northern Renaissance painting, modern architecture, the Chicago School; African art; contemporary art; American art; Dada and Surrealism. Prereq: consent of instructor. (3)

ART 336 Special Topics

Content varies. (3)

ART 355 Photography: From Chemical to Digital

See Jour 325. (3)

ART 356 Advanced Photography: From Chemical to Digital

See Jour 326. (3)

ART 374 Women and Art

Images of women in art and the woman artist; the role of the artist defined in different historical periods; the social construction of gender and relevant theoretical approaches to the study of art history. See Libs 374. Prereq: senior standing and UWR. (3)

ART 390 Internship

In-service training with arts organization, design or

graphics company, or gallery. Student gains knowledge and skills in area of special interest to him or her. Offered in conjunction with faculty advisor by consent only. (1-6)

ART 395 Independent Study in Fine Arts or Art History

Advanced work in any area of fine arts or art history designed to give individual students opportunity to do independent creative work. Students and professor define kind of work to be done during semester. Prereq: consent of instructor. (1-3)

Bachelor of General Studies

BGS 201 Pro-Seminar in Critical Skills

The first course in the BGS/BPS program, the Pro-Seminar establishes the student's connection to Roosevelt University; orients students to college-level course work and to the University; and develops skills in analytical thinking, expository writing, research, and evaluation of the student's intellectual achievements.

Especially important for those who have been away from school for a period of time, the Pro-Seminar accustoms participants to the discipline of college work in an informal, supportive atmosphere. Each student develops the verbal, intellectual, and creative skills necessary to undertake study in a variety of fields. Through assigned readings, class discussions, written expression, oral presentations, and research projects or examinations, students develop the special abilities to learn, analyze, interpret, and synthesize related subject areas.

Subject matter varies by section. All sections take an interdisciplinary approach to the subject matter and are oriented to the principles of adult learning. Recent themes have included diversity and multiculturalism, ethics in modern society, and the effects of television and contemporary media on learning. Specific course descriptions are available before each semester in the Evelyn T. Stone University College office.

Pro-Seminar in Critical Skills instructors also serve as academic advisors to students enrolled in this class. In advising sessions, instructors may assess past performance, explore current interests, and help students select future courses as well as academic majors. Also available through External Studies Program in

print-based and Internet formats and over the Internet through RU Online. (6)

BGS 302 Methods of Critical Reasoning

The first course in the Next Step and Fast Track plans of study within the BGS/BPS program; not required of students who take the Pro-Seminar in Critical Skills. Advanced skills in critical analysis, argumentation, and research. Locating, understanding, and evaluating resources used in academic research; improving and refining research methods. Topics covered include analysis of arguments in popular and academic publications, evaluation of Internet and other media-based sources of information, comparison of quantitative and qualitative research, practical statistical literacy, and the construction of reasoned arguments using a range of sources. Active participation in seminar discussions; individual and group assignments. Students develop an intellectual commitment to critical reasoning and rigorous research—habits of mind that are crucial to their overall academic development. Also available through External Studies Program in print-based and Internet formats and over the Internet through RU Online. Prereq: prior coursework in basic library research methods and in writing basic research papers; 60 semester hours of transferable credit or an Associate of Arts (AA) or Associate of Science (AS) degree. (3)

BGS 320 Introduction to Organizational Communication

This course connects communication theory to the business environment. Students analyze communication issues internal and external to an organization by applying the theories to real business situations. Topics include communication theory, organizational structure, barriers to communication, gender, and diversity. Also available over the Internet through RU Online. (3)

BGS 360 Organizational Communication II

Students make managerial decisions through case study analysis. Such analysis provides the basis for students to study the changing corporate environment, strategic communication, corporate image, internal communication, and crisis communication. Students develop a phased plan to deal with the immediate communication issues as well as to strengthen corporate communication over time. Also available over the Internet through RU Online in spring 2002. (3)

Senior Seminars

In their academic majors, students develop discipline-based knowledge in specialized areas of interest. In contrast, the senior seminars are designed to expand knowledge and understanding of three major areas of the liberal arts: the social sciences, the natural sciences, and the humanities. Each senior seminar carries six semester hours of credit and is offered during fall and spring semesters and through the External Studies Program.

BGS 390 Seminar in the Social Sciences

Introduction to the ideas and methods of the social sciences and the ways in which social scientists explain the world we live in. Connections between students' personal lives and the changes that occur in society. Content varies; topics may include globalization, women's work, violence, or immigration.

Participatory and activity-oriented. Discussions of current issues; reviews of significant books related to the theme of the seminar; research project; presentation of findings both orally and in writing. Also available through External Studies Program in print-based format; available over the Internet through RU Online in fall 2002. Prereq: Bgs 201 or 302 and UWR. (6)

BGS 391 Seminar in the Natural Sciences

Natural science includes the biological and physical sciences, such as biology, chemistry, geology, and ecology. This seminar takes an interdisciplinary approach by focusing on scientific methodology and on selected areas of inquiry, such as human genetics, evolutionary theory, and environmental studies. Scientific concepts and approaches related to wider questions about the place of humans in the natural world. Basic methods and philosophy of science; potential and limitations of science and scientists; key scientific terms, concepts, and issues; critical analysis of information about science published in the popular media; realization that humans are having a profound impact on our rapidly changing landscape and that we also have the ability to influence that impact.

Lectures, class discussions, student presentations, one or two field trips. Exams, short papers, oral reports, and/or a research paper. Also available through External Studies Program in print-based format; available over the Internet through RU Online fall 2002. Prereq: Bgs 201 or 302 and UWR. (6)

BGS 392 Seminar in the Humanities

The humanities include the study of art, music, literature, philosophy, folklore, mythology, and the popular media of film and television. While the social and natural sciences encourage formal methods of investigation, the humanities leave room for personal opinion and individual creativity. There are complex skills involved in understanding art and art history, in critically reading novels or viewing films, and in analyzing issues. Development and exercise of specific critical and integrative skills. Content varies. Themes may include survivors of the Holocaust, the era of slavery, the Vietnam War, the portrayal of child abuse in literature and film, art and creativity, war and peace, or gender relations.

Midterm, final examinations and research project or extended critical review; findings presented for class discussion. Also available through External Studies Program in print-based format; available over the Internet through RU Online spring 2002. Prereq: Bgs 201 or 302 and UWR. (6)

BGS 399 Senior Thesis

The final course project in the BGS/BPS program taken after completion of the senior seminars. A guided independent research project focused on a single topic, allowing the student to conduct a thorough, in-depth study in an area of interest. Thesis work provides an opportunity to apply the knowledge and skills gained throughout the BGS/BPS program by developing the qualities of independent and critical thinking. The final 20-25 page research project is a thorough, clearly articulated representation of the student's educational accomplishments. Tutorial mode of instruction. Students meet for guidance and discussion in introductory class meetings. As research progresses, students schedule individual weekly discussions with the thesis instructor. Toward the end of the semester, classes meet again to discuss problems, report progress, and exchange final reports. Also available through External Studies Program in print-based and Internet formats and over the Internet through RU Online. Prereq: completion of two senior seminars and within 21 semester hours of graduation. (3)

Biology

BIOL 111 Human Biology

Basic anatomy and physiology. Organ systems, genetics,

reproduction, development, circulation, respiration, nutrition, digestion, excretion. Social aspects of human biology. Appropriate for non-majors, allied health students and students preparing for further training in nursing or physical therapy. Lecture, discussion and laboratory. May be taken before or after Biol 112. For major credit in nuclear medicine technology. Not for major credit in biology or medical technology. (4)

BIOL 112 Environmental Biology

Ecology, evolution and the diversity of life with emphasis on practical environmental consequences of human activities. Laboratory focuses on open-ended student experimental projects. Field trips to sites of interest. Lecture, discussion and laboratory. May be taken before or after Biol 111. For major credit in environmental science. Not for major credit in biology. (4)

BIOL 115 Advanced Human Biology

Advanced anatomy and physiology. Sequel to Biol 111. Emphasis on three-dimensional structure and organs subject to disease. Appropriate for non-majors who have completed Biol 111, biology and allied health majors, and students preparing for further training in nursing or physical therapy. Lecture, discussion and laboratory. Prereq: Biol 111 or Biol 201 or consent of instructor. (4)

BIOL 118 Introduction to Medicine and the Health Sciences

Seminar for students interested in learning more about modern problems in medicine and their solutions. Speakers include practitioners from areas medicine such as hematology, immunology, gastroenterology, urology, virology. (1)

BIOL 150 Science as a Way of Knowing

How scientists approach the natural world and solve problems. Experimentation, including design and analysis of results. Basic statistical methods and graphical analysis. Reading and writing scientific papers. Critical thinking and science as a vocation. Appropriate for science majors and nonmajors; recommended for education majors. Lecture, discussion and laboratory. Prereq: Math 100. (4)

BIOL 201 Organismic Biology

Biological principles relating to organism level of complexity. Tissues, organs, and organ systems in structure and function; development; physiology; and

introductory genetics. Lecture, laboratory, and discussion. Prereq: Biol 150, Math 121 and Chem 101. (5)

BIOL 242 Animal Behavior

Evolutionary, developmental and environmental bases of animal behavior. Emphasis on birds and mammals. Communication, decision-making, motivation, learning, memory, social behavior, and mating systems. Prereq: Psych 103 and one Biology course or consent of instructor. See Psych 242. (3)

BIOL 301 Cellular and Molecular Biology

Biological principles relating to cellular and subcellular levels of organization. Topics include introductory biochemistry, cell biology and ultrastructure, and cell physiology. Laboratory includes cloning methods. Lecture, laboratory, and discussion. Prereq: Biol 150, Chem 202 and Chem 211. (5)

BIOL 302 Diversity and Evolution

Darwin, *The Origin of Species*, evolution through natural selection, population genetics, speciation, history of the earth, progression of life through the ages, human origins. Open to well-prepared nonmajors. Prereq: Biol 201 or consent of instructor. (3)

BIOL 304 Histology and Ultrastructure

The organization of biological tissues as exemplified by their microscopic anatomy. Emphasis on the functional activities of biological units. Laboratory focuses on the study of prepared slides of normal vertebrate tissue. Two lecture and two laboratory sessions per week. Biol 115 recommended. Prereq: Biol 301 or consent of instructor. (5)

BIOL 310 Physiological Psychology

Prereq for biology majors: Biol 111 or Biol 201. See Psych 310. (3)

BIOL 315 Ecology

Interactions among organisms and between organisms and the environment. Population growth, competition, predator-prey relationships, mutualism, species diversity, dispersal, succession, nutrient cycles, and energy flow through ecosystems. Lecture, discussion, and field projects. Prereq: Math 217 and Biol 201 or consent of instructor. (5)

BIOL 317 Behavioral Ecology

Human and nonhuman behavior in an ecological context. Contribution of individual behaviors to survival and reproductive success; costs and benefits of living in groups; transfer of information under different conditions; competition vs cooperation; effects of environmental change on mating systems, foraging, and helping of kin; hunter-gatherer life styles compared with those of modern industrial societies; ecological effects of human life styles. Prereq: Biol 111, Biol 112, or nine hours of psychology. (3)

BIOL 324 Marine Biology

Physical forces, biodiversity, organismal function, and ecological interactions that form marine environments. This is an applied course in which the principles of cell biology, organismic physiology, biomechanics, and ecology are employed to understand marine biological problems. Lecture and discussion. Prereq: Biol 201. (3)

BIOL 330 Wetlands Delineation

See Envs 330. Prereq: Biol 112 or 201 and Chem 100 or 101. (3)

BIOL 335 Great Lakes

Ecology, chemistry and environmental policy issues surrounding the Great Lakes, with emphasis on Lake Michigan. Lecture, field trips and guest lecturers. Recommended for science and education majors. Prereq: Chem 100 or 101; Biol 112, 201, or equivalent. (3)

BIOL 338 Organ System Physiology

Selected topics, such as water balance, neurophysiology, endocrinology, in general at the organ/tissue level of complexity. Lectures, student seminars, and term paper. Prereq: Biol 201 and 301 or equivalent. (3)

BIOL 351 General Genetics

Classical and molecular genetics. Transmission genetics, chromosome genetics, interaction of genes with sex and environment, mapping, DNA structure and replication, transcription, translation, chromosome structure and genome organization, extrachromosomal inheritance, mutagenesis, gene expression. Genetics of plants, insects, vertebrates, fungi, bacteria, and viruses. Lecture and discussion. Prereq: Biol 201 and Biol 301 or consent of instructor. (5)

BIOL 353 Molecular Biology

The structure of nucleic acids and chromosomes, DNA replication and repair, general and site-specific recombination, control of gene expression at the transcriptional and translational levels, oncogenes and retroviruses. Laboratory techniques include: PCR, DNA fingerprinting and DNA sequencing. This course is included in the biotechnology certificate program. Lecture, laboratory, and discussion. Prereq: Biol 301 or consent of instructor. (5)

BIOL 355 Biochemistry

This course is included in the biotechnology certificate program. See Chem 355. (5)

BIOL 356 Developmental Biology

Basic principles and processes of embryology and development; selected invertebrates, vertebrates and plants. Lecture and discussion. Prereq: Biol 301 or consent of instructor. (3)

BIOL 358 Cell Biology

Molecular interactions that provide the foundation for the structure and functions of the cell. Topics include protein structure and function, membrane transport, post-translational modifications of proteins and protein secretion, cell cycle regulation, cell signaling and mechanisms of development and differentiation. Laboratory techniques include: SDS-PAGE, cell fractionation, bacterial protein expression and purification, and immunohistochemistry. This course is included in the biotechnology certificate program. Lecture, laboratory and discussion. Prereq: Biol 301 or consent of instructor. (5)

BIOL 360 Microbiology

Structure and function of prokaryotic cells, including metabolic and genetic diversity, with emphasis on differences and similarities with eukaryotes. Roles microbes play in human body, soil, and water ecosystems. Special emphasis on human diseases and microbial processes for the maintenance of biosphere. Applications to medicine, biotechnology, food processing, agriculture, pollution control. Laboratory includes: proficient and safe handling of microorganisms, identification of unknown bacteria, and biochemical and microscopic methods. This course is included in the biotechnology certificate program. Lecture and laboratory. Prereq: Biol 301 or consent of instructor. (5)

BIOL 361 Information Technology for the Sciences

See Chem 361. Prereq: Chem 212. (3)

BIOL 367 Immunology

Humoral and cellular immune responses, generation of immune diversity, autoimmune and immunodeficiency diseases. Immunologic assays relevant to clinical settings. Laboratory techniques include: antibody-antigen interactions, ELISA and the purification of lymphocyte populations. This course is included in the biotechnology certificate program. Lecture, laboratory, and discussion. Prereq: Biol 301 or consent of instructor. (5)

BIOL 371 The Biology of Aging

The biological relationships between the normal activities of life and aging. Changes in structure and function at various levels of biological organization (subcellular population) with age. Lectures, expert guest speakers, student seminars, term paper. Prereq: Biol 111. (3)

BIOL 390 Problems in Biology

Discussion topics based on student interest and staff availability. Prereq: 12 sem hrs in biology and consent of instructor and school. (credit varies)

BIOL 391 Medical Internship

Off-campus experience at Louis A. Weiss Memorial Hospital. Rotation through four or five medical specialties. At least 12 contact hours. Prereq: Biol 301 or equivalent and approval of the school. (3)

BIOL 395 Independent Study in the Biological Sciences

Individual library or laboratory problems in biology. Prereq: consent of instructor and school. (1-4)

Business Administration

BADM 101 Introduction to Business

Comprehensive overview of the business world and business basics. Major dimensions of business; organization, management, marketing, and financial operations. Reasons for today's changing business environment; how and why the changes affect business.

Special focus on careers in business and business career options. Open to all undergraduate students. Prereq: none. (3)

BADM 202 Introduction to Business Computing

Fundamentals of modern business data processing and computing. Computer hardware and input, output, and storage devices; systems analysis and design; business software applications; impact of computers on business organization and society. Hands-on experience with microcomputers and application packages. (3)

BADM 220 City and Commerce

How business and commerce function in a culturally diverse metropolis such as the Chicago area. Relationships of the marketing/advertising, finance and insurance, hospitality/tourism management, and real estate industries of Chicago. Prereq: UWR. (3)

BADM 304 Business and Society

Background, development, and institutional settings of social controls. Development of law as formal agency of control. Constitutional and legislative law as applied to administrative agencies and regulation of business activities. Antitrust law and legal aspects of labor/management relations. Business organizations and their responsibilities to employees, government, and laws. Also available through External Studies Program in print-based format; available over the Internet through RU Online in spring 2002. Prereq: Acct 201. (3)

BADM 360 Survey of International Business

Problems and opportunities for American business resulting from internationalization of US economy. Economic, political, and cultural environments facing business; diplomacy; global sourcing and production; functional areas of accounting and taxation, finance, management, and marketing. Prereq: Econ 102. (3)

BADM 380 Business Policy

Case approach to top management strategy and policy making, integrating of functional divisions of organizations through analysis of and solutions to complex business situations. Prereq: Mgmt 300, 358; Mktg 302; Fin 311. (3)

BADM 398 Internship Experience

Supervised learning experience in a local firm or non-

profit agency. Student must be required to complete learning objectives, journal, and/or term paper. Placement must be approved in advance. (1-3)

Business Communications

BCOM 301 Business Communications

Development of effective written and oral business communicues. Focuses on the communication process, Internet-based and traditional research techniques; presentation strategies; non-verbal and intercultural communications; impact of new technologies; ethical considerations in communications. Prereq: completion of University Writing Requirement. (3)

Chemistry

CHEM 100 Chemistry in Context

Application of the basic principles of chemistry to the analysis of social and environmental issues. Topics include energy sources, air and water pollution, global warming, the ozone layer, nutrition and synthetic materials such as plastics and drugs. This course is appropriate for non-scientists and for science majors with little or no chemistry background. It meets the university general education requirement for laboratory physical science. Not for major credit in the sciences. Lecture and laboratory. (4)

CHEM 101 General Chemistry I

Stoichiometry, atomic structure, chemical periodicity, chemical bonding, properties of matter and thermochemistry. Laboratory required. Prereq: Math 121. (4)

CHEM 202 General Chemistry II

Solutions, chemical equilibrium, acid-base theory, solubility products, complexation, electrochemistry, nuclear chemistry, and chemical kinetics. Required laboratory covers principles and practices of analytical chemistry using titrations and basic instrumental techniques. Prereq: Chem 101. (5)

CHEM 211 Organic Chemistry I

Synthesis and examination of principal types of carbon compounds; examination of their transformation

through reactions. Laboratory required. Prereq: Chem 202. (5)

CHEM 212 Organic Chemistry II

Continuation of Chem 211 including spectroscopy of organic compounds and topics in biochemistry. Required laboratory includes qualitative organic analysis. Prereq: Chem 202 and 211. (4)

CHEM 313 Advanced Organic Chemistry Laboratory

Spectrometric methods for determining the structures of organic compounds. Mass spectrometry, proton and carbon FT-NMR, infrared, ultraviolet and visible spectroscopy. Laboratory includes synthesis of organic compounds and applied spectroscopic methods. Prereq: Chem 202 and 212. (4)

CHEM 318 Synthetic Organic Chemistry

Advanced methods in the synthesis of organic compounds, especially those of biological or pharmaceutical interest. Topics include stereo- and regioselective reagents for organic transformations, including enzyme mediated synthesis, polypeptide and polynucleotide synthesis, and natural product synthesis. Prereq: Chem 202 and 212. (3)

CHEM 319 Organometallic Chemistry

The structure, bonding, and reactions of compounds formed between the metallic elements (primarily d block) and carbon (organic groups). Classes of compounds to be discussed include metal alkyls, aryls, hydrides, carbonyl, alkenes, and arenes. The application of organometallic compound in organic synthesis and homogeneous catalysis. Prereq: Chem 202 and 212. (3)

CHEM 321 Physical Chemistry I

Theoretical foundations of chemistry: thermodynamics of pure substances and mixtures, electrochemistry, kinetic theory of gases, and chemical kinetics. Prereq: Chem 202, 212, Math 232 and Phys 232. (3)

CHEM 322 Physical Chemistry II

Theoretical foundations of chemistry: spectroscopy and quantum theory of atoms and molecules. Prereq: Chem 202, Math 232 and Phys 232. (3)

CHEM 325 Physical Chemistry Laboratory

Experimental work in physical chemistry, including laboratories on the properties of gases, liquids, and solutions; and involving thermodynamics, kinetics, and spectroscopy. Laboratory required. Prereq: Chem 202, 212, 321; Chem 322 or concurrent. (4)

CHEM 337 Analytical Chemistry: Instrumental Analysis

Basic theories and experimental techniques in electrochemistry, spectrophotometry, and chromatography. Laboratory required. Prereq: Chem 202, 212, 321, 322, 325. (5)

CHEM 341 Inorganic Chemistry

Survey of theoretical and synthetic inorganic chemistry. Atomic theory, bonding theory, crystal structure, chemical periodicity, coordination compounds, acid-base systems, and molecular symmetry. Laboratory required. Prereq: Chem 202, 212, 321 and Chem 322 or concurrent. (5)

CHEM 353 Molecular Biology

See Biol 353. (5)

CHEM 355 Biochemistry

Examination of electron transport chain, protein structure, enzyme kinetics, biosynthesis and intermediary metabolism of amino acids, and carbohydrates and lipids. Laboratory required. Biol 301 recommended. This course is included in the biotechnology certificate program. Prereq: Chem 202 and 212. (5)

CHEM 361 Information Technology for the Sciences

Methods for finding chemical, biological and biotechnological information. On-line and hard-copy methods will be discussed, with an emphasis on the use of various computer databases and the internet. Databases of the scientific literature, chemical databases and genetic databases will be used. Prereq: Chem 212. (3)

CHEM 373 Environmental Chemistry

Connection of basic chemical knowledge to environmental issues in the areas of energy, atmosphere, hydrosphere and biosphere. Study of chemical substances and their impact on the environment: toxicological effects, conversion and spread. Lecture,

laboratory and discussion. Prereq: Chem 202, 203, and 212. (5)

CHEM 381 Polymer Chemistry

Synthesis, physical and analytical characterization, and use of polymers, including fibers, plastics, coatings, and resins. Morphology and rheology of polymers. Prereq: Chem 212 and Chem 321. (3)

CHEM 391 Chemistry Internship

Off-campus work experience with an approved organization. Prereq: major standing in chemistry and approval of the school. (1-6)

CHEM 395 Independent Study in Chemistry

Prereq: consent of instructor and school. (1-3)

Computer Science and Telecommunications

CST 100 PC Software Packages

Basic hardware and software components of a PC; several of the most popular PC software applications including word processing, electronic spreadsheets, databases, and Windows. A computer use course. Prereq: none. (3)

CST 101 Overview of Information Technology

A broad survey of the evolution of computers, key terminology, components of computers, hardware, software, career opportunities, and practical applications including the use of the Internet; how business systems are designed; the basic building blocks of programming logic, through the use of flowcharts and/or pseudo code. Prereq: none. (3)

CST 150 Computer Science I

Disciplined approach to general problem solving and algorithm development process. Simple data types, sequence, selection, repetition, functions, records, files, and one-dimensional arrays. Concepts of top-down program design, testing, and documentation using good programming style. C++ language is used to allow students to try out their logic and receive immediate feedback. A computer use course. Prereq: Math 118 or 116 or 121 or concurrent. Also available through

External Studies Program. (4)

CST 218 Introduction to UNIX Script Programming

The UNIX operating system, using one of the script programming languages available with UNIX. Features: history of UNIX; methods of manipulating system resources using scripts; script applications typical of those required of UNIX system administrators. Extensive programming in a UNIX scripting language. A computer use course. Prereq: Cst 150 or consent of instructor.

CST 246 Data Communications

Foundations of a data communication network architecture and the concepts of data representation in the data transmission process. Data communication methods and data services offered by common carriers. Data communication network management and design issues. Prereq: Cst 150. (3)

CST 250 Computer Science II

Continues Cst 150's development of problem solving using the C++ language including abstract data types, multidimensional arrays; strings; records and structures; function design, construction, and parameter passing methods; recursion; introduction to object oriented techniques; pointers: lists, stacks, queues, and trees; and file I/O. Multiple sorting and searching algorithms including concepts of program complexity. Extensive programming required. A computer use course. Prereq: Cst 150 and Math 245 or concurrent. (4)

CST 261 Microcomputer Structure and Assembler

Introduction to computer hardware structure using assembler language. Internal hardware and software structure of a CPU that is normally hidden from programmers using a high level language. Construct simple electronic circuitry using light emitting diodes (LEDs), resistors, capacitors, push-button switches, piezoelectric speakers on a prototyping circuit board. Extensive programming in the assembler language of the CPU to create programs that enable the CPU to interact with the circuits constructed. A computer use course. Prereq: Cst 150 or consent of instructor. (3)

CST 263 Visual BASIC Programming I

Visual BASIC is a programming language/tool that allows quick, relatively easy development of Windows programs. The logical constructs of sequence,

selection, and repetition are used to build readable, maintainable source code. Records, files, and two-dimensional array processing. A computer use course. Prereq: Cst 150. (3)

CST 264 Algorithms with Java I

Introductory programming language course. Methods, classes, and objects along with concepts covering input, selection and repetition. Arrays, applets and graphics. The J++ language is used. Prereq: Cst 150. (3)

CST 270 Systems Analysis and Design

Methodologies, tools, and techniques used in the computer systems development life cycle. Emphasis on planning, analysis, and design phases of a project. The larger context of business process change, competitive advantage, documentation requirements, and data modeling. Prereq: Cst 150. (3)

CST 280 Computer Science III : Data Structures

Continues the use of C++ to study abstract data types such as sets, graphs, heaps, hash tables, and the concepts of inheritance and recurrence relations. Algorithmic strategies such as divide and conquer, greedy, and back-tracking are demonstrated. Algorithms studied include random number generation, searching, sorting, and string processing. Complexity analysis includes the big O, big omega, big theta, and little o. A computer use course. Prereq: Cst 250 and Math 245 or concurrent. (3)

CST 285 Introduction to Robotics

Techniques used in building and programming autonomous mobile robots and the capabilities of available sensors. An autonomous mobile robot capable of navigating around obstacles will be constructed and programmed as the course project. Assembly of mechanical and electric and electronic components and extensive design and implementation using a specialized C programming language. Prereq: Cst 250 and 261. (3)

CST 290 Telecommunications Systems

Overview of the field of voice communications. Topics include the industry, applications, user requirements, regulatory environment, technology, circuits, voice networks, their management and operations, and future directions. Prereq: Math 118 or 116 or 121 or concurrent. Also available through External Studies

Program. (3)

CST 317 Operating Systems Concepts

An in-depth study of the components and functions of computer operating systems. Topics include system services, file system management, memory management, resource allocation, scheduling, processing levels, multitasking, deadlocks, and interprocess protection mechanisms. A computer use course. Prereq: Cst 250 or 263. (3)

CST 327 Software Project Management

Types of problems, decisions, and critical success factors that typically confront software project managers and EDP auditors. The various management skills and methodologies used for planning, organizing, staffing, influencing, and controlling such projects. Prereq: Cst 250 or 263. (3)

CST 328 Linear Programming and Optimization

Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems; games and network flow applications. See also Math 328. Prereq: Math 300 and one programming course. (3)

CST 330 Numerical Analysis

Solution of equations by iteration; interpolation; numerical differentiation and integration; numerical solutions to linear systems. A computer use course. See also Math 330. Prereq: Math 232, 300, and one programming course. (3)

CST 331 Telecommunications Systems Analysis

Analyst's perspective of telecommunications services and equipment. Evaluation and selection methods, RFPs, Net Present Value and risk analysis, operating policies, implementation issues, traffic analysis, trunking, and routing. Quantitative methods of analysis are emphasized. Prereq: Cst 246 or 290. (3)

CST 332 Telecommunications Management

Manager's perspective of telecommunications. Emphasis on financial analysis and administrative issues such as staffing, organizing, planning, controlling, and negotiating contracts and coordinating system conversion procedures. Prereq: Cst 246 or 290. (3)

CST 333 Database Design

Introduction to database design goals, techniques, and concepts such as logical and physical data independence, data sharing, redundancy, integrity, and concurrency. Hierarchical, network, and relational models of data and their implementations. Emphasis on data modeling, relational algebra, normalization, data structures for relations, and query functions. Prereq: Cst 270 or 280. (3)

CST 340 Computer Architecture

Internal organization of the components of computer systems with special focus on the processor. Systems programming, interrupts, and other applications. Prereq: Cst 280. (3)

CST 341 Compilers and Interpreters

Study of the internal organization of systems programs that translate higher level source code into machine code. Syntactical, semantic, and lexical analysis. Grammars, storage allocation, and code generation techniques. Prereq: Cst 280. (3)

CST 343 OOP with C++

An advanced course in programming emphasizing the development of reusable software components via the object oriented programming (OOP) capabilities of C++. Topics include programmer defined abstract data types; classes; function overloading and default arguments; operator overloading; composition and multiple inheritance; polymorphism; virtual functions; and run-time type identification. Extensive programming required. Prereq: Cst 280. (3)

CST 345 Combinatorics

Permutations and combinations; identities involving binomial coefficients; inclusion-exclusion principle; recurrence relations; generating functions; introduction to the theory of graphs. See also Math 345. Prereq: Math 245 and 232. (3)

CST 346 Advanced Data Communications

Foundations of communications theory including signaling system 7, T1 and ISDN, various modulation methods, methods of sizing and optimizing of data circuits, error detection and correction methods, data compression methods. Prereq: Cst 246. (3)

CST 350 Boolean Algebra and Switching Theory

Logic gates and Boolean algebras. Minimization of switching functions, and Karnaugh maps. Introduction to logic circuits, flip-flops, counters and registers. Digital arithmetic. See also Math 350. Prereq: Cst 250, Math 245 and 231. (3)

CST 352 Network Design and Analysis I

Communication system hardware, organization, and structure. Detailed examination of various communication protocols and interfaces used in computer networks, including routing and route discovery algorithms. A computer use course. Prereq: Cst 280 and one class in calculus. (3)

CST 354 Local Area Networks

A practical examination of network topologies, protocols, and operating systems such as Windows NT, UNIX, and NetWare. The OSI 7 layer network model is covered, along with packet switching, text compression, TCP/IP and file transfer protocols. Hands-on network lab experience included. Prereq: Cst 246. (3)

CST 362 Telecommunications: Regulations and Policies

Integration of voice and data concepts with emphasis on current legal and regulatory issues. FCC rules and regulations, court decisions, competitive environment, evolution of industry standards, and current industry trends such as convergence and the information superhighway. Prereq: Cst 246 or 290. (3)

CST 365 Web Programming I

The workings of the World Wide Web and web programming. Technologies involved in a modern web site; hands-on experience using that technology. Prereq: Cst 150 and 264. (3)

CST 366 Network Security

Survey of the tools and techniques used to secure network transmissions, including data encryption, public and private keys, network firewalls, and user authentication techniques. Prereq: Cst 346 or 352. (3)

CST 367 Web Database Applications

Interactive web-based applications that utilize one or several databases. Theoretical and project oriented. Prereq: background in database theory and design,

such as knowing SQL; some familiarity in HTML, in particular using forms, and other scripting languages. Prereq: Cst 333. (3)

CST 368 Internet and Web Security

Security issues pertaining to Internet, intranet, and the Web. Web security from the user's, programmer's, and system administrator's points of view. HTTP authentication; proxy servers and firewalls; Internet security protocols and Secure Socket Layer; electronic payment systems; certificate management and network access layer security; executable content and scripting languages; mobile code and copyrights. Privacy protection; legal and ethical issues; anonymous browsing and censorship; available security tools. Prereq: Cst 365. (3)

CST 369 Human Computer Interaction

Design of the interaction between people and computers. Issues related to software development, user interface and design for interactive systems, use of database systems and software engineering as it applies to user interface development environments. Theories, models, usability studies and controlled experimentation for interactive system production. Programming and command languages, menu forms, graphical user interface, information visualization and display design. Evaluation of different application software. Prereq: Cst 150. (3)

CST 370 Software Engineering

A quantitative approach to the planning, analysis, design, implementation, and maintenance of computer software. Development and use of software metrics including effort, time, cost, and quality estimation and measurement. Emphasis on design, implementation, and maintenance phases of a project. Prereq: Cst 250 or 270. (3)

CST 371 Distributed Databases

Use of multiple, physically and logically separate databases. Data modeling, horizontal and vertical fragmentation, distributed query processing, concurrency, deadlocks, and recovery techniques. Heterogeneous and object-oriented databases. Prereq: Cst 333. (3)

CST 372 Programming Languages

Global properties of algorithmic languages including scope of declarations, storage allocation, binding time of constituents, subroutines, and tasks. List processing,

string manipulation, data description, and simulation languages. Prereq: Cst 250. (3)

CST 373 Visual BASIC Programming II

An in-depth study of the use of Visual BASIC to create large-scale Windows software applications, including dynamic link libraries, interprocess communication, sorting and searching algorithms, interactive programming, and direct access file techniques. Prereq: Cst 263. (3)

CST 376 Web Programming II

Advanced topics in web programming focusing on design and implementation of programs that exploit the World Wide Web extending beyond the creation of web sites to complete web applications. Prereq: Cst 365. (3)

CST 377 Advanced Operating Systems

Intended to introduce the student to advanced concepts in operating system design, implementation and theory. The course will focus on distributed operating systems and issues in distributed processing. Prereq: Cst 317. (3)

CST 380 Pattern Recognition

Statistical and semantical methods of pattern recognition and analysis. Image processing, control, decision making, and problem solving by computer. Prereq: Cst 280 and Math 217. (3)

CST 381 Artificial Intelligence

Concepts and methods of machine learning. Linguistic and relational representation of objects. Various types of learning, including adaptive, procedural, and inductive techniques. Introduction to a functional decision language such as LISP or Prolog. Prereq: Cst 280. (3)

CST 382 Computer Graphics

Representation, manipulation, and display of two- and three- dimensional objects. Applications to specific problems, including computer games. Prereq: Cst 280 and Math 300 or concurrent. (3)

CST 385 Robotics II

Programming techniques used in controlling autonomous mobile robots and the sensors needed and their limitations. The autonomous mobile robot constructed

in CST 285 will be enhanced, both in its cognitive and sensing abilities, with a sonar range-finding device and the associated programming and other sensor devices. Rule-based expert systems using classical logic and fuzzy logic. Specialized C programming language. Prereq: Cst 285, Cst 280 and Math 245. (3)

CST 390 Special Topics in Computer Science

Course content varies. A student may repeat this course if different special topics are offered. Prereq: Cst 250 or 263. (3)

CST 391 Special Topics in Telecommunications

Course content varies. A student may repeat this course if different special topics are offered. Prereq: Cst 246 or 290. (3)

CST 395 Independent Study / Internship

Students must obtain approval of a faculty sponsor and the CST School Director before registering for this three-semester-hour course. This course can also be used for internships. Prereq: consent of Cst instructor. (3)

CST 399 Senior Project

Students must obtain a faculty sponsor; prepare a written proposal that includes course objectives, time tables, and measurable evaluation criteria; and receive approval from both the faculty sponsor and Cst School Director before registering for this three-semester-hour course. This course should be taken at the end of the program of study. Prereq: consent of Cst instructor. (3)

Economics

ECON 101 Principles of Economics I

Introduction to macroeconomics. Overview of how the economy works, emphasizing contemporary economic problems such as unemployment, inflation, and the business cycle. Topics include the Keynesian theory of output and employment, the role of money and financial institutions, and government policy. (3)

ECON 102 Principles of Economics II

Introduction to microeconomics. Analysis of the role played by markets in the determination of prices and incomes, and the allocation of resources. Examination

of economic decision making by households and firms. Application of microeconomic principles to topics such as efficiency, monopoly, labor, international trade, education, and poverty. Prereq: Econ 101. (3)

ECON 205 The American Economy

Overview of the state of the US economy. Introduction to questions, debates, and policy recommendations in which economists engage. (3)

ECON 207 American Economic Development Since 1945

Development of post World War II economic institutions and stresses and strains that emerged within them; current economic crisis. Topics include domestic and international macroeconomic trends, federal government macroeconomic and social policy, relations between organized labor and business, and developments in labor force. Prereq: Econ 101. (3)

ECON 209 Unionism and Collective Bargaining

History, structure, and function of organized labor in the United States. Negotiation, collective bargaining, wages and employment, and evolution of the present legislative and judicial frameworks. (3)

ECON 210 Money and Banking

See Fin 301. (3)

ECON 211 Labor and Government

Nature and impact of government policy toward employment and labor relations. Topics include minimum wage, unemployment insurance, equal opportunity and affirmative action, public service employment, welfare, parental leave, collective bargaining regulations, and restrictions on plan closings. Prereq: Econ 102. (3)

ECON 216 The Economics of the Minority Experience

The economist's approach to problems of underproduction and underconsumption among minorities; emphasis on minority development. Topics include income and wealth distribution, minority business enterprises, political and economic institutions, urban housing, transportation and health care. (3)

ECON 234 Elementary Statistics

Frequency distributions, measures of central tendency

and dispersion, binomial and normal distributions, estimation and tests of hypotheses, introduction to linear regression and correlation. Prereq: Math 116 or 121. (3)

ECON 241 Investments

See Fin 321. (3)

ECON 248 Gender and Urban Life

Examination of urban issues with an emphasis on how they affect women's lives. Themes include the impact of industrialization, urbanization and suburbanization, and the development of a service-based economy on women's home and market work. May be used to fulfill a signature course. See also Libs 248. Prereq: UWR. (3)

ECON 302 History of Economic Thought

Development of economic thinking from the 16th century through the present day. Ideas of such great economists as Smith, Ricardo, Marx, and Keynes. Prereq: Econ 101. (3)

ECON 305 Modern Political Economy

Topics from Marxist, Post Keynesian, and institutionalist approaches to political economy, with a particular focus on their philosophical foundations and political implications. Topics may include growth, distribution, and prices; classes, exploitation, and alienation; the labor theory of value; historical materialism; and the economics of socialism. Prereq: Econ 323. (3)

ECON 306 Industrial Organization

Evolution of institutional organization of industry in American economy. Includes discussion of trade associations, cartels, price leadership and governmental regulatory agencies. Prereq: Econ 102. (3)

ECON 308 Women and the Economy

Analysis of the economic situation of women in the US with focus on the interaction among the family, the labor market, and the government in determining women's economic fortunes. Prereq: Econ 102. (3)

ECON 309 Economics of Urban Inequality

Economic and sociological theories of urban inequality. Urban economic and population trends; urban labor markets and poverty; urban housing markets

and poverty; the links between cities and suburbs. Prereq: Econ 102. (3)

ECON 317 Economics of Work and Labor

Study of labor from neoclassical, institutionalist and Marxian perspectives. Topics include quantity and quality of labor supply, demand for labor, discrimination, unemployment, and income inequality. Prereq: Econ 102. (3)

ECON 318 Contemporary Problems in Collective Bargaining

Survey of current status of labor-management relations, union organizing, and collective bargaining. Topics include challenges to union organizing; effects of unions on wages, productivity, profits, and inflation; employer demands for concessions and union responses; government policies concerning unions; significance of labor market flexibility. Prereq: Econ 102. (3)

ECON 320 Government and Business

Analysis of ways in which government regulation affects the economy. Topics may include case studies of regulation in railroad, airline, oil, and other industries. Prereq: Econ 102. (3)

ECON 321 Income and Employment Theory

Intermediate macroeconomics. Contemporary theories of income, employment, money, and the business cycle are refined, extended, and applied. Other topics may include government stabilization policy, international economic relations, economic growth, and the distribution of income. Prereq: Econ 101 and Econ 102 with a grade of C or higher. (3)

ECON 322 Economics of Environmental Policy

This course examines environmental policy making, using the tools of economic analysis, and compares the alternative methods of addressing problems such as air pollution, acid rain, hazardous waste disposal, and water pollution. Current environmental regulations will be evaluated from an economic perspective. Prereq: Econ 102. (3)

ECON 323 Price Theory

Intermediate microeconomics. Theories of the household and the firm are developed as a foundation for

exploring topics such as the determination of prices in a market economy, efficiency and social welfare, the effects of monopoly, the distribution of income, and government policy. Prereq: Econ 102 with a grade of C or higher. (3)

ECON 330 United States Economic History, 1870 to 1940

History of the rise of corporate America during this period. Prereq: Econ 323. (3)

ECON 333 Comparative Economic Systems

Comparison of theory and practice of different forms of capitalism and socialism in selected countries and different approaches to the transition of former socialist countries to market systems. Prereq: Econ 102. (3)

ECON 338 Money and the Economy

Role of money and financial institutions in operation of modern economies investigated with aid of modern macroeconomic theory. Prereq: Econ 210, Fin 301. (3)

ECON 346 Introduction to Econometrics

Construction of economic models, statistical testing of economic hypotheses, and estimation of parametric values in economic relationships using regression analysis. Computer applications. Prereq: Econ 234. (3)

ECON 347 Topics in Quantitative Economics

Advanced econometric theory, linear programming, simulation, optimization techniques, dynamic analysis, and advanced theory. Computer applications where appropriate. Prereq: Econ 234, 346, and 363, or consent of instructor. (3)

ECON 352 Urban Economic Development

Interdisciplinary approach to theories of urban/local economic development including economics, planning, political science, finance, sociology, and marketing. Theories applied to real world economic issues including local area, business, community, and human resource development, high technology, and technology transfer. Prereq: Econ 102. (3)

ECON 363 Mathematics for Economists

Introduction to mathematical tools and techniques that have been utilized in the development of modern

Keynesian, Neoclassical, Marxian, and Neoricardian economic theories. Topics include the methodology of mathematical economics, sets, functions, matrix algebra, comparative statics, and differential calculus. At every stage of the course, particular mathematical techniques are applied to particular economic theories. A secure understanding of college algebra is presumed on the part of the student as prerequisite for taking this course. Prereq: Econ 102 and Math 121. (3)

ECON 370 Economics of the Public Sector

Theory and practice of government involvement in resource allocation and distribution. Cost-benefit analysis. Study of various public policy issues such as medical care, crime, and law. (3)

ECON 372 Public Finance

Public expenditure theory, supply and demand of public goods, criteria for optimal allocation of resources. Philosophy, practice, and incidence of taxation. Prereq: Econ 102. (3)

ECON 374 The Economics of Development and Underdevelopment

Major models in development from theoretical and practical perspectives. Mainstream, capital centered and dualistic theories; growth with equity; basic needs; dependency; and Marxian approaches. Prereq: Econ 102. (3)

ECON 376 International Trade, Multinational Corporations, and the Question of Imperialism

Theory of international trade, international movements of capital and labor, and national commercial policies; economic analysis of multinational corporations and imperialism. Prereq: Econ 102. (3)

ECON 377 International Finance and Balance of Payments

Theory and description of foreign exchange rates and foreign exchange markets; interactions between national income and balance of payments; evaluation and reform of international monetary institutions. Prereq: Econ 102. (3)

ECON 390 Economic Theory and Policy Seminar

Application of economic theory to selected problems. Preparation and presentation of student research

reports. Open to advanced economics majors only.

Prereq: Econ 234, 321, and 323. (3)

ECON 395 Independent Study

Study of special topics under supervision of faculty. (3)

Education

EDUC 200 American Education

Introduction to professional course sequence. Development of contemporary school; opportunities, requirements, and expectations of teaching profession; relation of schools to American society and culture; education issues and policy making; development of contemporary school organization, purpose, and programs. Satisfies American public education, and history of education course requirements for certification. Open as elective to all University students. Prereq: sophomore standing and UWR. (3)

EDUC 210 Child Development for Educators: Infancy Through Adolescence

Comprehensive study of child growth and development from conception through adolescence. Emphasis on early stages as foundation for later physical, social, emotional, and cognitive development. Theories and current research focusing on development and learning. Includes detailed, major-related study of appropriately aged child as course project. (3)

EDUC 295 Independent Study

Student proposal for independent study must state purpose, problem, and methods of approach and evaluation. Proposal must be approved by student's advisor and college dean and be conducted under faculty guidance. (1-6)

EDUC 303 Health for Educators

Programs and curriculum intended to help students better understand both their own health needs and those of early childhood, elementary and secondary school students. Topics include substance abuse, nutrition, and safety. (3)

EDUC 313 Foundations of the Middle School

Emphasis on the historical, social and philosophical foundations of middle level education. Includes the

evolution of the middle school concept, the creation of learning communities attentive to the needs of young adolescents, health and personal support for students, curriculum development and instructional strategies for young adolescents, parent and community involvement and the use of technology to support learning. (3)

EDUC 315 Adolescent Development

Study of the physical, cognitive, social and emotional development during adolescence. Special topics are studied, including the application of developmental principles to the middle school and high school students. (3)

EDUC 319 Exceptional Children and Youth

Comprehensive overview of all types of exceptional-ity. Fulfills requirements of Illinois House Bill 150. Exceptional characteristics of mentally, physically, or emotionally handicapped children and the special instructional programs, practices, and facilities that can be used to help children realize their potential more fully. Requires 25 clock hours of field experience. Prereq: junior standing and consent of advisor. (3)

EDUC 321 Creative Arts in Education

Methods and attitudes conducive to development of creative artistic interests and skills in children. Integration of music, art, movement and dramatics into the curriculum. Prereq: for elementary education majors Educ 200, Educ 210 and consent of instructor. (3)

EDUC 352 Topical Workshop

Topics of special interest to educators offered in workshop setting. Areas of recent concentration have included multicultural education and seminars in reading that featured attendance at annual meetings of International Reading Association. Not applicable toward BAE degree without special permission of undergraduate advisor. Prereq: consent of advisor. (1-6)

EDUC 358 Linguistics for Teachers of English as a Second Language

Theory and research on learning English as a second language (ESL). Foundation for understanding linguistics and learning theory specific to ESL and bilingualism. Thirty clock hours of field experience required. Prereq: Ecdh 334. (3)

EDUC 368 Foundations of Bilingual and ESL Education

Historical, philosophical, theoretical, sociocultural, and legislative foundations of bilingual and ESL education in the US. Comparison of different methods and models of bilingual and ESL education; examination of current issues. Ten clock hours of field experience required. (3)

EDUC 370 Cross-Cultural Studies for Teaching Limited English Proficient Students

The impact of culture on individuals, groups, school, work, communities, and society. Ecological perspective on culture and context; focus on individuals with limited English proficiency in the US. (3)

EDUC 373 Assessment of Bilingual Students

Issues, challenges, and techniques in the assessment of bilingual students. Full range of bilingual assessment from standardized tests such as the Language Assessment Scale to authentic assessment methodology. Emphasis on authentic assessment techniques in the classroom, including portfolios, projects, student self-assessment, curriculum-based assessment, observation, and teacher-made assessment tools such as rubrics and checklists. Fifteen clock hours of field experience required. (3)

EDUC 374 Methods and Materials for Teaching Limited English Proficient Students in Bilingual Programs

Comprehensive overview of theories, techniques, and principles. Methods and materials across subject areas and grade levels; emphasis on the development of listening, speaking, reading, and writing skills across the curriculum for LEP students. Constructivist approach to learning and methods for adapting quality lessons to meet the specific needs of LEP students. Fifty clock hours of field experience required. (6)

EDUC 375 Methods and Materials for Teaching English as a Second Language

Comprehensive overview of theories, techniques, and principles. Methods and materials across grade levels; issues related to needs assessment, unit/lesson planning, selection/evaluation of classroom materials, development of materials for second language instruction. Various developmental processes involved in the learning of primary and secondary languages as basis for instruction techniques at all grade levels. Twenty-five clock hours of field experience required for

bilingual approval students. (3)

EDUC 385 Technology in the Classroom

Use of computers in classroom instruction and classroom management. Concentration is on classroom use of general applications, educational software, and the Internet, with a focus on using technology for problem solving. Prereq: familiarity with basic computer applications. (3)

EDUC 390 Assessment in Special Education

Designed for students with introductory skills in test and measurements. Emphasis is placed on increasing skills of test users in making selection, classification and placement decisions, and in using various techniques for evaluation of the progress of individuals in special programs at all levels. Laboratory experience in administering, scoring, evaluating, and reporting test results. Students are taught to convert diagnostic information to prescriptions that may be utilized by multidisciplinary and/or ancillary personnel and parents, as well as by teachers of IEP purposes. Prereq: Educ 319 or consent of instructor. (3)

EDUC 392 Characteristics and Methods for Teaching the Educable Mentally Disabled

Characteristics, basic aspects of curriculum, major objectives of instruction, and specific methods and materials relating to teaching the educable mentally disabled at the preschool, primary, intermediate, advanced, and work-study levels are studied. Preparation of the Individualized Education Program (IEP) is stressed. Evaluation techniques are considered. Students are required to become acquainted with recent research in curriculum and methods for the educable mentally disabled. Prereq: Educ 319 and Educ 390. (4)

EDUC 393 Characteristics and Methods for Teaching the Child with Behavior Disorders

Identification and interpretations of emotional and behavioral disorders to provide for educational needs of children exhibiting such behaviors. Alternative sources of help, techniques of classroom management, and applications of recent research. Prereq: Educ 319 and Educ 390. (4)

EDUC 395 Independent Study

Student proposal for independent study must state purpose, problem, and methods of approach and

evaluation. Proposal must be approved by student's advisor and college dean and be conducted under faculty guidance. (1-6)

EDUC 396 Characteristics and Methods for Teaching the Child with Learning Disabilities

Provides information leading to an understanding of characteristics of learning disabilities. Seeks to develop the student's ability to translate these principles into sound educational practices for the remediation of learning disabilities. Prereq: Educ 319 and Educ 390. (4)

Education: Early Childhood Education

ECHD 221 Introduction to Early Childhood Education

Introduction to early childhood curriculum and program organization. Includes analysis of programs for early childhood as well as adaptations for infant, handicapped, and bilingual children. Requires 25 hours of field experience. Prereq: sophomore standing. (3)

ECHD 301 Child Study

Introduction and review of current theories and methodologies for child study from birth through age eight. Each student conducts a specific child study project. Prereq: Educ 210. (3)

ECHD 305 Assessment in Early Childhood

Introduction to early childhood measurement and assessment techniques. Fundamentals of psychometric theory; review of commonly used standardized tests and classroom evaluation techniques. Prereq: Educ 210, Echd 301, and consent of instructor. (3)

ECHD 309 Child, Parent, and Community

Consideration of parent and community involvement in educational programs; impact upon child and family development. (3)

ECHD 311 History and Philosophy of Early Childhood Education

Historical and philosophical perspectives of early childhood education goals and practices, program models, and issues. (3)

ECHD 332 Pre-Primary Science, Math, and Social Concepts in Early Childhood Education

Constructivist research and theories in teaching science, math, and social studies to children from infancy through kindergarten. Requires 25 clock hours of field experience. Prereq: Educ 210; basic requirements in science, mathematics, and social science; and consent of advisor. (3)

ECHD 333 Primary Science, Mathematics, and Social Concepts in Early Childhood Education

Introduction to constructivist research and theories in teaching science, mathematics, and social studies to children from grades one through three. Examination and evaluation of appropriate materials and activities in school settings. Requires 25 clock hours of field experience. Prereq: Educ 210; basic requirements in science, mathematics, and social science; and consent of advisor. (3)

ECHD 334 Language Development

Introduction to language development theory and research. Curriculum support materials from infancy through grade three. Prereq: Educ 210 and consent of advisor. (3)

ECHD 337 Literacy in Early Childhood Education: Reading and Language Arts

Theory and research on reading. Selection and development of prereading and reading curricula for primary grades. Requires 25 hours of field experience. Prereq: Educ 210 for undergraduates or Educ 407 for graduate students. (6)

ECHD 374 Student Teaching and Seminar in Early Childhood Education: Preschool/Kindergarten

Supervised observation and teaching. Students design and implement curriculum plans and assess individual child and group progress. Students demonstrate their understanding of the role of family and community in child education. Seminar discussions on educational setting and analysis of student's own role in classroom and community. Prereq: all methods and field experience courses, 100 clock hours of field experience, and consent of advisor. (6)

ECHD 375 Student Teaching and Seminar in Early Childhood Education: Primary

Supervised observation and teaching in primary grade

settings. Students design and implement curriculum plans, assess progress of individual children and the group, and demonstrate understanding of the role of family and community in child's education. Weekly seminar discussions focus on educational setting, teaching strategies, and individual problems. Prereq: all methods and field experience courses, 100 clock hours of field experience, and written consent of advisor. (6)

ECHD 381 High Risk Young Child

Physical, social, psychological, and learning characteristics of the high risk young child; overview of causation, prevalence, identification, and intervention strategies. Prereq: Educ 210, Educ 319, junior standing, and consent of advisor. (3)

Education: Elementary Education

ELED 261 Field Experience and Seminar

Weekly seminar sessions develop observation skills and focus on topics of classroom management and parent communication. Requires 30 clock hours of observation and participation in educational settings, including tutoring and small group instruction. Prereq: Educ 200 or Educ 210, completed or concurrent. (3)

ELED 321 Teaching Mathematics in the Elementary School

Mathematical concepts from the K-9 elementary school curriculum. Emphasis on implementing NCTM standards, the use of manipulatives, cooperative learning, problem solving and integration of mathematics into other content areas. Prereq: Educ 200, Educ 210, Eled 261, Math 105, and basic skills test. (6)

ELED 325 Teaching Science in the Elementary School

Place of natural and physical science in elementary school curriculum; application of learning principles and consideration of children's interests in selection and use of science instructional materials; analysis of courses of study. Prereq: Educ 200, Educ 210, and Eled 261. (3)

ELED 327 Teaching Social Studies in the Elementary School

Analysis of social studies programs in K-9 elementary

schools. Objectives; traditional and computer assisted methods; materials; organizational structure; evaluation. Basic social sciences concepts, contributions of educational, multicultural, and urban studies research. Students use community resources and problem solving approaches to construct teaching-learning materials. Emphasis on individualizing instruction to meet needs of all children. Prereq: Educ 200, Educ 210, and Eled 261. (3)

ELED 361 Pre-Student Teaching Field Experience

Requires at least 50 clock hours of observation, participation, tutoring, and small and large group instruction in educational setting. Weekly seminar sessions focus on roles and responsibilities in elementary school teaching. Prereq: all coursework necessary prior to student teaching, senior standing, and consent of advisor. (3)

ELED 366 Student Teaching and Seminar in the Elementary School

Supervised observation and teaching in local K-9 elementary school, seminar discussions concerning observational records, teaching strategies, evaluation, and individual problems; emphasis on development of independence and skills through self-analysis techniques. Prereq: all education courses, senior standing, all general education requirements, 100 clock hours of field experience, and consent of advisor. (6)

Education: Reading

READ 320 Teaching Reading in the Elementary School

Approaches to teaching beginning and primary level reading and expanded approaches at all levels including middle school; language arts/reading interrelatedness. Whole language and literature-based instruction; diagnosis, materials, and organization of differentiated programs of reading instruction. Requires 10 clock hours of field experience. Prereq: Educ 200, Educ 210, and Eled 261. (6)

READ 323 Teaching Language Arts and Children's Literature in the Elementary School

Objectives and materials in teaching listening, speaking, and writing skills in elementary schools. Emphasis on literature-based instruction. Effects of diverse cultural and literary heritages on children's literature. Prereq: Educ 200, Educ 210, and Eled 261. (3)

READ 385 Technology in the Classroom

Use of computers in classroom instruction and classroom management. Concentration is on classroom use of general applications, educational software, and the Internet, with a focus on using technology for problem solving. Prereq: familiarity with basic computer applications. (3)

Education: Secondary Education

SEED 301 Seminar in Secondary Education

Principles and practices of secondary education (6-12). Curriculum, student-centered instructional methods; approaches to assessment; classroom management; reflective practice. Requires 15 hours field experience in a variety of educational settings. Prereq: consent of advisor. (3)

SEED 321 Methods of Teaching Secondary Business Education

Curriculum, instruction, standards and assessment for business, economics, accounting, and keyboarding. Based on National Business Education Association standards for the design of student-centered programs, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 322 Methods of Teaching Secondary Science

Science curriculum and instruction, standards and assessment. Based on National Science Teachers Association standards for the design of student-centered programs, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 323 Methods of Teaching Middle School and Secondary Mathematics

Mathematics curriculum and instruction, standards and assessment. Based on National Council of Teachers of Mathematics standards for the design of student-centered programs, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 324 Methods of Teaching Secondary Foreign**Languages**

Foreign language curriculum and instruction, standards and assessment. Based on Modern Language Association standards for the design of student-centered programs of, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 326 Methods of Teaching Secondary Social Studies

Experience and practice in social studies curriculum theory, research-based instruction, standards and assessment. Based on standards of the National Council for the Social Studies for the design of student-centered programs, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 327 Methods of Teaching Secondary English

Experience and practice in English Language Arts curriculum theory, research-based instruction, standards and assessment. Based on standards of the National Council of Teachers of English for the design of student-centered programs, including courses, units, activities and learning experiences. Focus on grades 6-12. Prereq: consent of advisor. (3)

SEED 332 Methods of Teaching Secondary Theatre Arts

Theatre arts curriculum theory and application. Research-based instructional strategies for the design of student-centered programs, including courses, unit, activities and experiences for secondary students in theatre arts. Prereq: consent of advisor. (3)

SEED 350 Field Experience in Secondary Education

Observation and classroom experience in educational settings. In-depth lesson and unit development and presentation using multiple methods and assessments. Focus on various classroom management approaches within the context of reflective practice. Sixty hours field experience. Prereq: Educ 301 and consent of advisor. (3)

SEED 360 Student Teaching and Seminar in the Secondary School

Supervised observation and teaching in local junior or senior high school. Seminar discussions of observational records, teaching strategies, evaluation, and individual problems. Emphasis on development

of independence and skills through self-analysis techniques. Prereq: recommendation of Seed 350 instructor, one hundred clock hours of field experience, and consent of advisor. See section on student teaching for other requirements. (6)

English

ENG 100 Basic Writing Practice

Integrated practice in reading and writing skills necessary for college-level work. Small, personalized classes help students develop analytical and organizational strategies for both multi-drafted writing projects and in-class essay exams. Many students complete the course with a passing grade (P) in one semester. Those who need more practice may have an additional semester in which to complete it without paying additional tuition. (3)

ENG 101 Introduction to Composition

Instruction and practice in analytical reading, expository writing, and revision strategies. Introduces techniques for developing arguments based on multiple sources. (3)

ENG 102 Argumentation, Analysis, Research

Continuation of English 101 with longer, more complex writing assignments in argumentative forms; increased attention to analytical readings; training in the use of the library and in integrating secondary sources. All students write two documented research papers. (3)

ENG 203 Mythology

Emphasizes ways in which African, European, Asian, and Native American myths reveal political history and world views of their transmitters. Students write their own myths and read contemporary fiction influenced by particular mythological traditions. Satisfies non-Western requirement. (3)

ENG 205 Introduction to Shakespeare

Study of Shakespearean drama, including representative works from the major genres (tragedy, comedy, history, romance). Students will trace the roots of Shakespeare's literary influence by analyzing the rich imagery, structural sophistication and verbal virtuosity of the plays. Attention will be given to the place of the drama in early modern Britain's political and social

spheres. (3)

ENG 207 Introduction to African-American Literature

Examination of African-American literature from the 18th century to the present, from early slave narratives and poetry, through writings about abolition and Jim Crow, to Harlem Renaissance and postmodernist treatments of African-American experience. Satisfies nonWestern requirement. (3)

ENG 209 Style and Grammar

Primarily for nonmajors who want to sharpen their public images on paper or online. Grammar instruction increases familiarity with structural conventions of written English, while style workshops emphasize how communicative choices influence readers of grant proposals, letters to the editor, web pages, business presentations, and other forms of public writing. (3)

ENG 210 British Literature to 1789

Survey of British literature in all genres with focus on significant works from the medieval period, the Renaissance, and the Neo-Classical Age. Students study these works to recognize their distinctive characteristics, to examine their connection to the tradition of British literature, and to explore their contributions to the evolution of British culture. (3)

ENG 211 British Literature 1789 to Present

Surveys the literary and cultural developments of the Romantic, Victorian, modern, and contemporary eras of British literature. Working with texts from all genres, students explore shifts in literature and aesthetics with respect to social and industrial revolution, imperial advance and decline, and modernity and postmodernity. (3)

ENG 212 American Literature to 1865

Examines texts from the colonial period through the Civil War with emphasis on the variety of genres—Native American myths, journals and autobiographies, sermons, slave and captivity narratives, public debates, essays, poems, and prose fiction. Students consider how the social and historical contexts for these writings defined the emerging cultures of the United States. (3)

ENG 213 American Literature 1865 to Present

Explores the cultural development and literary experimentation of American writing in the wake of national crisis, through the development of the United States as an industrial society, and into the era of global prominence dubbed the “American Century.” Working with texts from several genres, students will examine the wide range of theories, practices, and social meanings of American writing. (3)

ENG 215 Introduction to Ethnic Literatures

Study of representative works from multiple ethnic traditions. Themes may include cultural preservation and assimilation; intersections of gender, race, and class; narrative forms and identity; and relationships between writers and their communities. Satisfies General Education nonWestern requirement. (3)

ENG 216-218 Topics in Literature

Rotating courses in specific European, American, and global literatures. Issues include theories of ethnicity, cultural aesthetics, and the social significance of literary production in particular cultures. Depending on topic, may fulfill nonWestern requirement. (3)

ENG 219 Review of Composition

Required of transfer students who have passed Eng 101 and 102 elsewhere but whose Roosevelt Assessment scores indicate a need for further instruction and practice in expository and argumentative essays. Some work in writing documented papers based on secondary sources. (3)

ENG 220 Introduction to Literary Analysis

Combines close reading of poetry, fiction, and drama with an introduction to literary theories to develop a critical vocabulary and interpretive strategies for textual analysis. Writing assignments increase awareness of why we read literature, how literary reading relates to other kinds of reading, and what the experience of literature means in our society. Prereq: UWR. (3)

ENG 222 Writing About Ideas

Advanced writing course uses literary texts, readings from multiple disciplines, and writing about personal experience to involve students in the production of academic and other kinds of knowledge. Class discussion and guided revision to improve organization,

argumentation, and style. Prereq: UWR. (3)

ENG 247 Arts and Modernism

Examines challenges to established aesthetics in writing, music, architecture, painting, and other fields focusing on 1890 to 1945. Attention to social and political contexts for artistic experimentation in the US and Europe. May be used to fulfill a signature course. See also Libs 247. Prereq: UWR. (3)

ENG 253 Introduction to Creative Writing

Through work in three genres—fiction, poetry, and either creative nonfiction or playwriting—students develop personal voice and effective use of concrete and metaphoric detail. The craft unique to each genre explored through critique of student writing and close reading of work by notable authors, both contemporary and historic. Prereq: UWR or consent. (3)

ENG 270 Exploring the Short Story

Analysis of traditional through contemporary short fiction from around the world. Emphasis on elements of structure—plot, setting, character, point of view—and cultural significance of short story form. (3)

ENG 276 Methods of Teaching Secondary English

See Educ 327. Prereq: Eng 220 or consent.

ENG 302 Professional Writing

Study and practices of conventions and strategies for legal, business, technical, and scientific writing. Designed for nonmajors who want to improve work-related writing skills and for majors considering careers as professional writers. Prereq: Eng 222 or consent of instructor. (3)

ENG 303 Intermediate Poetry Writing

Intensive workshop in the genre, concentrating on critique of student work augmented by close study of significant contemporary figures. Some emphasis on the history of contemporary American poetry and the student's relationship to current trends. Prereq: Eng 253. (3)

ENG 304 Intermediate Fiction Writing

Intensive workshop in fictional narrative. Critique of student work and study of narrative craft. Understand-

ing the craft of fiction through representative published work. Some attention to the history of contemporary American fiction, its influences and current directions, including short, short fiction. Prereq: Eng 253. (3)

ENG 306 Fundamentals of Film Studies: American Cinema

Introduction to film and its American practitioners. Emphasis on basic techniques and vocabulary for analyzing and writing about film and reading film theory. Attention to prominent directors and popular genres—the thriller, melodrama, Western, buddy picture. (3)

ENG 307 Film History

History of the medium with attention to technological, aesthetic, and cultural developments and influence. Secondary focus varies by semester but may include spectacle, independent film, sound, or auteur theory. (3)

ENG 308 Topics in Film

Detailed study of a genre, a director, a national cinema, or a theoretical question in film studies. Subjects vary by semester but may include gender and film, film noir, new German cinema, women directors, African-American cinema, or theories of spectatorship. Prereq: Eng 306 or 307. (3)

ENG 309 Topics in Film and Literature

Detailed study of a particular intersection of film with literature. Subjects may include Shakespearean adaptations, plays adapted to the screen, adaptations of the American or British novel, or the influence of poetry on film in the work of independent and experimental filmmakers. Prereq: Eng 306 or 307. (3)

ENG 310-19 Advanced Studies in British Literature

Period-based study of significant literary topics in British literature. Emphasis on the interpretation of literary texts within the context of specific cultural formations and developments. Topics may include early modern plays and pamphlet literature; non-Shakespearean early modern drama; revolution, rights and Romanticism; women writers and the world wars; anxieties of empire in British literature. Prereq: Eng 220. (3)

ENG 320-329 Advanced Studies in American Literature

Period-based study of significant literary topics in American literature. Emphasis on the interpretation of literary texts within the context of specific cultural formations and developments. Topics may include early American novel, American Gothic, 19th-century American poetry, 20th-century women's fiction, American literature since 1945, and 20th-century literary naturalism. Prereq: Eng 220. (3)

ENG 330 Post-Colonial Literature

Anglophone literature of all genres from Africa, the Caribbean, and South Asia in the aftermath of the British Empire. Emphasis on literary response to cultural and linguistic colonization; analysis of national identity, cultural hybridity, and post-colonial subjectivity, and redefinitions of race and gender. Fulfills nonWestern requirement. Prereq: Eng 220. (3)

ENG 331 Advanced Fiction Writing

Workshop on the craft of the short story. Emphasis on the various means of storytelling—point of view, tone, character development, and plot. Prereq: Eng 253 and submitted portfolio to Creative Writing Committee. (3)

ENG 332 Advanced Poetry Writing

Workshop on poetic composition and revision; study of the connection between classical metrical poetry and the more eclectic free verse of contemporary poetry. Prereq: Eng 253 and submitted portfolio to Creative Writing Committee. (3)

ENG 333 Advanced Play Writing

Workshop on elements of writing for live performance—story, dialogue, action, characterization, and plot. Monologues written for one actor; two-person scenes; three-person scenes; blackouts; short skits; and comedy scenes. Students will write and read from their work throughout the semester and supplement their own writing with readings of contemporary authors. Prereq: Eng 253 and submitted portfolio to Creative Writing Committee. (3)

ENG 334 Advanced Nonfiction Writing

A workshop on the techniques of nonfiction storytelling; emphasis on personal narrative, including memoir. Prereq: Eng 253 and submitted portfolio to Creative Writing Committee. (3)

ENG 337 Screenwriting

In a workshop atmosphere, students produce a full-length screenplay while analyzing the techniques professional screenwriters use to create complex characters, thrilling action, and original plots. Some attention to marketing the screenplay, including the treatment and pitch. Prereq: Eng 253, 306 or 307. (3)

ENG 340-347 Advanced Studies in Theme or Movement

Intensive study of literary texts that share philosophical concerns, motifs, or historical perspectives. Prereq: Eng 220. (3)

ENG 348 History and Literature of Native American Genocide

Issues of native ethnic identity within American culture. Focus on a wide variety of documents, historical and literary. Students produce an interdisciplinary research paper and may use the course to satisfy the senior seminar requirement. See also Libs 348. Prereq: senior standing and UWR. (3)

ENG 350-359 Advanced Studies in a Literary Genre

Detailed theoretical examination of a literary genre, including novel, lyric, satire, autobiography, drama, and others. Attention to structure and typical cultural preoccupations of various forms. May follow development of a genre across a broad time span or during a particular historical movement. Prereq: Eng 220. (3)

ENG 360 Topics in Shakespeare

Advanced study of specific issues or themes in a group of Shakespeare's works. Points of focus might include the approaches to history in the two Henriads; the verse structure of the sonnets as compared to that of the plays; representations of women in the drama. Prereq: Eng 220. (3)

ENG 361-364 Studies in a Single Author

Detailed study of one writer in his/her cultural context. Courses recently offered include Jane Austen, Walt Whitman, Eugene O'Neill, Toni Morrison, Aphra Behn, and Mark Twain. Prereq: Eng 220. (3)

ENG 365 Literary Theory and Criticism

Examines critical methods of significant literary theo-

rists, ancient and modern. Writing assignments involve hands-on application of theories to specific literary texts. Prereq: Eng 220. (3)

ENG 366 Advanced Studies in Critical Theory

Intensive study of one or two schools of critical theory—post-structuralism, post-colonialism, Marxism, feminism, theories of ethnicity, cultural studies—and their implications for study in language, literature, and representation. Primary readings in theoretical texts with consideration of their implications for practice. Prereq: Eng 220. (3)

ENG 367 Studies in Composition Theory

Cultural, cognitive, and political theories about the acquisition and practice of advanced literacy skills. Students investigate the roles that reading, direct grammar instruction, rhetoric, and revision play in various approaches to the teaching of writing. Prereq: Eng 220. (3)

ENG 380 History of the English Language

Historical and sociolinguistic development of the English language, focusing on its sounds, grammar, and vocabulary, as well as on current-day cultural contexts for language differences. Prereq: Eng 220. (3)

ENG 385 Internship in the Teaching of Literature

Student is apprenticed to an experienced teacher in an English literature course and participates in class planning and procedures. Construction of syllabus, lesson plans, lectures, writing assignments, and tests supplemented by classroom experience in facilitating discussions and supervising student progress. Prereq: Eng 220, sufficient advanced coursework in area of internship, and consent of instructor and program chair. (3)

ENG 387 Internship in the Teaching of Composition

Student is apprenticed to an experienced teacher in a composition course and participates in class planning and procedure. Readings in composition theory supplemented by classroom observation and tutoring under supervision of director of composition. Prereq: Eng 220 and consent of instructor and director of composition. (3)

ENG 395 Independent Study

Prereq: Consent of instructor and school director. (3)

English Language Program

ELP 070 Beginning Conversation

Develops the ability of ESL students to perform routine daily functions inside and outside a university setting. Includes work in listening comprehension and pronunciation. Prereq: consent of the director of ELP. (3)

ELP 071 Beginning Grammar

Focuses on grammatical structures, word forms, and functions basic to American English sentence structure. Stresses both grammatical accuracy and the communicative needs of non-native speakers of English. Prereq: consent of the director of ELP. (3)

ELP 072 Beginning Reading

Provides English language learners with basic, functional vocabulary necessary for everyday life in the US as well as the foundation for vocabulary required for academic study. Allows students to develop interactive reading skills through a variety of prose and non-prose print materials. Prereq: consent of the director of ELP. (3)

ELP 073 Beginning Composition

Introduces basic format and conventions of an academic essay in American English. Using a process approach, allows non-native speakers of English to begin writing at the paragraph level and expand to a basic five-paragraph essay. Prereq: consent of the director of ELP. (3)

ELP 080 Intermediate Conversation

Develops oral fluency and listening comprehension by promoting ability of non-native speakers of English to exchange abstract information, to set criteria and problem solve, to understand information and ideas presented in academic lectures, and to discuss cultural issues in an American academic environment. Includes pronunciation work. Prereq: consent of the director of ELP. (3)

ELP 081 Intermediate Grammar

Builds on grammar structures covered in ELP 71. Focuses on verb forms and their use in American English. Also reviews basic American English sentence patterns and introduces complex sentences. Stresses grammatical accuracy and the communicative needs of internationals living in the US. Prereq: consent of the director of ELP. (3)

ELP 082 Intermediate Reading

Focuses on improving academic reading skill for international students who plan to attend a US college or university. Introduces students to academic study skills through use of an English-English dictionary and other reference materials available in a university setting. Prereq: consent of the director of ELP. (3)

ELP 083 Intermediate Writing

Further develops composition skills introduced in ELP 73. Encourages written expression that follows acceptable American English academic logic. Emphasizes the process approach, especially revision and editing, to encourage independent writing. Introduces discourse features such as audience, appropriateness in topic selection, and support and organization based on rhetorical modes. Prereq: consent of the director of ELP. (3)

ELP 090 Advanced Conversation

Develops listening and speaking skills that allow English language learners to be successful in an academic environment. Using authentic materials, develops such skills as listening to lectures and note taking as well as participating in and leading small and large group discussions on academic topics and current events. Includes individualized pronunciation work. Prereq: consent of the director of ELP. (3)

ELP 091 Advanced Grammar

Reviews the basics of English sentence structure introduced in ELP 71 and ELP 81 that often pose problems for non-native speakers of English. Develops grammatical accuracy in spoken discourse but focuses on more complex structures, with emphasis on the different kinds of clauses and rhetorical devices used to communicate effectively in formal, written English. Prereq: consent of the director of ELP. (3)

ELP 092 Advanced Reading

Focuses on the wide variety of written discourse encountered by students in US colleges and universities and the various reading strategies that non-native speakers can use for effective reading. Requires students to use skills for both intensive and extensive reading of materials in their original, unsimplified form. Develops study skills and academic research skills. Prereq: consent of the director of ELP. (3)

ELP 093 Advanced Writing

Refines skills and concepts introduced in ELP 83. Increases the non-native writer's independence and ability to develop, refine, and edit his/her own work. Covers discourse concepts such as purpose, appropriate support, relevant examples, and appreciation of audience. Requires that students take an active role in the writing process, including peer review and other student-centered activities. Prereq: consent of the director of ELP. (3)

ELP 110 Composition for International Undergraduate Students

Transitions undergraduate non-native speakers from the English Language Program sequence into the freshman composition program. Introduces students to fundamental skills necessary to write a research paper and continues the process approach introduced in ELP 73-83-93. Prereq: consent of the director of ELP. (3)

ELP 111 Composition for International Graduate Students

Further develops and refines composition skills acquired in ELP 73-83-93. Takes an individualized approach to writing, focusing on the needs of non-native speakers as they undertake graduate-level degree work in their academic units. Prereq: consent of the director of ELP. (3)

Ensemble

(see Music: Ensemble)

Environmental Science

ENVS 201 Hazardous Materials Management

The generation, handling, transport, and disposal of hazardous waste. History, management, regulatory context, toxicology, treatment, monitoring, recycling and

disposal, remediation of contaminated sites. Prereq: Chem 101 or consent of instructor. (3)

ENVS 202 Pollution Control

The scientific, social and regulatory context of pollution control. Sources of air, land and water contaminants; environmental and health consequences of pollution; regulatory laws and agencies; technical approaches to reducing and controlling emissions. Prereq: Chem 101 or consent of instructor. (3)

ENVS 314 Introduction to Geographic Information Systems (GIS)

See Geog 314. (3)

ENVS 330 Wetlands Delineation

Basic scientific, technical, legal and public policy issues involved in defining, delineating, regulating, conserving and restoring wetlands. Students will make a preliminary assessment of a natural or disturbed area's wetland status, including biology, hydrology and soils, and outline the potential issues involved in developing, conserving or restoring the area. This course alone will not qualify students as professional wetlands delineators. See also Biol 330. Prereq: Biol 112 or 201 and Chem 100 or 101. (3)

ENVS 335 Great Lakes

Prereq: Biol 112 or 201 or equivalent and Chem 100 or 101. See Biol 335. (3)

ENVS 391 Environmental Science Internship

Off-campus work experience with an approved government, nonprofit, or private organization engaged in activities pertinent to environmental science. This may include laboratory experience, field work, or any other practical activities that enhance student's knowledge and/or practical skills. Guidelines for internships are available from the School. Prereq: major standing in environmental science and approval of the school director. (3-6)

ENVS 395 Independent Study in Environmental Science

Prereq: consent of instructor and school director. (1-3)

External Studies Program

(ESP) BGS 210 Men/Women Relationships: War or Peace?

The differences between women and men, particularly the psychological and biological differences and the differences in moral decision making. Myths about hormonal, genetic, and brain differences; differences in abilities such as mathematical and verbal ability; personality differences in emotionality, nurturance, aggression, dependence; differences in the ways men and women view themselves and their places in the world. (1)

(ESP) BGS 212 Communication Skills

The importance of interpersonal communication. Various facets of the communication process; subtleties of creating a communication climate. Barriers to communication and how to overcome them. Managerial communication; analysis of leadership styles and communication skills necessary for the effective management of others. (1)

(ESP) BGS 213 Study Skills

Focus on improving the basic skills necessary for academic success: reading, note-taking, exam-taking, critical evaluation, and analysis. The primary goals are to make students aware of the concentration and thinking skills they most need and to provide practice in these areas. (1)

(ESP) BGS 214 Elements of Research

Integral steps in research projects from invention of a topic to completion of the final paper. The importance of information and its successful manipulation. Emphasis on mechanics. (1)

(ESP) BGS 215 Images of Beauty

The “beauty myth” which still shapes not only women’s lives and society in general. Manifestations of the cult of beauty include fashion, pornography, dieting, and cosmetics, and the violence of cosmetic surgery. Interwoven with and illustrated by these topics are methods and issues of women’s studies, particularly the issue of women and work. (1)

(ESP) BGS 216 Writing: A Communication Process

The purpose and process of writing. Writing theories and techniques that apply to all writing tasks. Three main components of all communication: subject, audience, and purpose. Five stages of the writing process: prewriting, writing, revising, rewriting, and proofreading. Opportunities for experimentation with various techniques. (1)

(ESP) BGS 217 The Storyteller’s Art

Analysis and history of storytelling from earliest oral myths to current experiments in literature and film. Elements of story; historical survey; discussions and analyses of the texts. (1)

(ESP) BGS 218 Mythology

The study of mythology using Greek myth and one other body of myth. The course addresses such questions as what is a myth? What are the common type of myths? What do myths reveal about the people who create them? How do myths speak to us? (1)

(ESP) BGS 220 Argument and Persuasion

Through a series of increasingly sophisticated exercises, this course provides an introduction to the analytical skills necessary for constructing and critically evaluating arguments. Emphasis on the application of reasoning skills across the curriculum. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) BGS 221 Quantitative Methods

This course is designed to foster basic statistical literacy. Students are introduced to statistical concepts and learn to evaluate and analyze the statistics used in a variety of academic and workplace settings. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) BGS 257 Nutrition for Everyday Life

Basic concepts of human nutrition and how nutrition affects health and overall well-being. Food choices, advances in nutrition, and new research on diet. (1)

(ESP) BGS 300 Research and Portfolio Development

Designed especially for students who want to petition for credit for noncollegiate learning, this course assists

students with developing a thorough portfolio of prior learning by reviewing methods of documentation, organization, and presentation of learning experiences. (3)

(ESP) BGS 301 The Advanced Pro-Seminar

This course aids the student's transition from lower-level college studies to advanced studies by assessing the necessary skills in analytical and conceptual thinking, rhetoric, and reading interpretation that will be used in more complex and independent kinds of academic research. (3)

(ESP) BGS 330 History and Literature of the Holocaust

The first module in this two-part course provides a brief history and overview of literature of the Holocaust in Europe from 1933 to 1945 and discussion of three major novels on this theme. The second module is a comprehensive introduction to the causes, events, and implications of the destruction of European Jews. (3)

(ESP) BGS 331 Images of Woman

Module one focuses on the "beauty myth" which shapes women's lives and society in general. Manifestations of the cult of beauty in fashion, pornography, dieting, and cosmetics, and the violence of cosmetic surgery. Module two covers popular women's magazines, women in TV, and women in the movies. Module three looks at the Senate hearings involving Clarence Thomas and Anita Hill as a case study in the power of images and how they can be changed by the same image makers that created them, that is, the media and the public will. (3)

(ESP) BGS 351 Scientific Methodology and Criticism

Scientific methods and critical thinking about scientific topics. How to be critical in assessing the evidence presented by the media and the claims made by various authorities. No scientific background is required. (1)

(ESP) BGS 352 The Structure of Matter

A study of the various types of energy and the laws that describe the behavior of energy; the nature of atoms; protons, electrons, and neutrons; the nature of all the substances that make up the world. (1)

(ESP) BGS 353 Genetics: The Language of Life

The cell, the basic unit of living things, and the two processes by which cells divide to form new cells. Mendel's laws of heredity; human heredity; dominance of characteristics; prediction of characteristics of children; genetic diseases; characteristics controlled by the sex chromosomes; racial variations. The composition of chromosomes and the mechanism of chromosome duplication and mutation. (1)

(ESP) BGS 355 Science and Society

The interaction between science and society; social, economic, and legal interactions with science. Examples of recent and future problem areas are presented. Nonscience majors may become more effective in dealing with the complex technological society in which we live through the study of science. (1)

(ESP) BGS 356 Earthquakes, Continental Drift, and Plate Tectonics

The theory of plate tectonics dramatically changed the way earth scientists regard our planet. Plate tectonics and continental drift; surface features of the earth; rock magnetism and ocean floor exploration; sea-floor spreading; the reconstruction of the continents; the causes of plate tectonics; applications of the theory to environmental geology and earthquake prediction. (1)

(ESP) BGS 358 Evolutionary Principles

Human beings are but a single species on a planet of hundreds of millions of species. Although we still refer to evolution as a theory, it is the most unifying concept in the biological sciences, with far-reaching implications for our understanding of animal and human behavior, sexuality, and form. This course discusses Charles Darwin's theory of evolution—that life has come from pre-existing life—and Darwin's lines of evidence. (1)

(ESP) BGS 359 Animal Behavior

How various animal behaviors, including our own, are the products of evolutionary history. Introduction to behavior; the differences between instinct and learning; sexual behavior; communication; cooperation; and the role of behavior in assisting us when making decisions in conservation management of endangered species. (1)

(ESP) BGS 369 The Courtroom in Film and Theater

Conflicts between written law and individual morality or between differing concepts of morality in historical and contemporary examples of courtroom drama. (1)

(ESP) BGS 370 Introduction to the Humanities

Focus on culture and the arts, either as an expression of individual artistic vision or an expression of a society's values. Three broad categories of cultural expression: that which is produced anonymously within a culture, that which is supported economically by patrons or governments, and that which is supported fully by the individual consumer. (1)

(ESP) BGS 371 Television: The Issues and the Art

Who controls TV? To formulate an answer, the course looks into the government, the television industry, television creators, and the audience. Topics include the power of the ratings, the objectivity of TV news, educational television, African Americans and women on and in television, and children's TV. History of the medium, and the art of television; form and content of news programs, entertainment shows, and commercials. (1)

(ESP) BGS 372 Aesthetics: Philosophies of Art

Survey of ideas about art from the Classical period to the present. The relative roles of the artist, the audience, and the critic. (1)

(ESP) BGS 373 The Comic Spirit

The history of several traditions of humor in the arts. Theories of Susanne Langer and Arthur Koestler; nonsense and puns; exaggerative humor such as parody, satire, lampoon, burlesque, and "black humor"; and situation comedy. Prereq: access to a television set. (1)

(ESP) BGS 375 The Holocaust as Literature

Brief history and overview of literature concerning the Holocaust in Europe from 1933 to 1945; discussions of three major novels on this theme. (1)

(ESP) BGS 376 Art and Communication

The communicative function of art; how we determine the meaning of signs, codes, and texts; the role of different media; the relation of form and content; and the question of individual style. (1)

(ESP) BGS 379 Science Fiction: An Interdisciplinary Humanities Module

Science fiction movies are some of the most popular films of all time, but science fiction itself remains the province of a relatively limited number of passionate readers. The reasons for science fiction's popularity and the reasons it seems challenging to many readers; guidelines on how to read this unique form of literature in order to get the most from it. (1)

(ESP) BGS 381 Technology and Social Values

What we mean by "technology" and by "values"; how technology has raised issues of value in the past; how we reconcile conflicts between values. Urgent questions of values raised by our technology, such as how computer networks affect our privacy, how automobiles conflict with environmental concerns, how we reconcile the benefits of nuclear power with its risks, how the emerging technologies of reproduction challenge our traditional ways of thinking, and how medical technologies have complicated the process of dying. (1)

(ESP) BGS 382 Women and Work: The Continuing Revolution

The revolution in women's work in the US. In the recent past relatively few women worked for wages; today women are over half of the American labor force, and about 60 per cent of all women hold jobs. Topics include the history of working women; the effect of race and class on employment patterns; housework, clerical work, and the professions; and current issues concerning comparable worth, government family policy, and the media. (1)

(ESP) BGS 383 Humanity Against Disease

Human health in its social context; impact of illness on human societies and how different societies have coped with health problems at different stages of history; connections between disease and socioeconomic, political, religious, and psychological phenomena; impact of the biomedical and public health revolution of the past century in the historical perspective; perspectives of history, sociology, and social psychology. (1)

(ESP) BGS 385 History of Chicago, 1920 to Present

Emergence of Chicago as the capital of gangland corruption with the wide open city of the 1920s. The rise and decline of the Klan; continuing ethnic conflicts; Af-

rican-American influx from the South. Depression-era federal aid as a source of aid to the unemployed. The growth of the Kelly-Nash machine, the forerunner of the modern Chicago Democratic machine. The flourishing defense industry of the war years; the rise to power of Richard J. Daley; racial and antiwar conflicts of the 1960s. Decline of the traditional Democratic machine; rise of Harold Washington; political turmoil that followed the death of Chicago's first black mayor. Rise of Richard M. Daley; comparison of his administration to that of both his father and Harold Washington. Available through External Studies Program in print-based and Internet format. (1)

(ESP) BGS 386 Perspectives on American Industry

Development of US industry from the Civil War to the present in the context of social, cultural, and ethical issues; a framework for understanding social limitations on business; important historical and contemporary examples of the relationship between business and society. Available through External Studies Program in print-based and Internet formats. (1)

Advanced BGS Seminars

These three-semester-hour seminars allow students who entered the BGS/BPS program before 1997 and who are exempted from BGS 390, 391, or 392 to complete their degree requirements. Each class shares subject matter and goals with the corresponding six-semester-hour seminar, but assumes a significant basis of prior knowledge in the field.

(ESP) BGS 396 Advanced Seminar in the Social Sciences

Major ideas and methods used by practitioners in such areas as history, sociology, and economics. Content individualized to suit student interest. Topics may include technology and values, women and work, Chicago history, and humanity against disease. Prereq: basic knowledge of the social sciences; Eng 101, 102. (3)

(ESP) BGS 397 Advanced Seminar in the Natural Sciences

Topics in the field of natural science, such as principles of heredity; scientific revolutions; earthquakes, continental drift, and plate tectonics; and Darwin and natural selection. Three advanced modules from those offered for Bgs 391. Prereq: basic knowledge of physical and biological sciences; Eng 101, 102. (3)

(ESP) BGS 398 Advanced Seminar in the Humanities

The student's prior learning is focused and expanded by concentrating on selected seminar topics, such as relationships of men and women, and popular culture. Three advanced modules selected from those offered for Bgs 392 with the permission of the instructor. Prereq: prior credit in the humanities; Eng 101, 102. (3)

(ESP) CST 123 Introduction to Programming Techniques with Qbasic

Introduction to computer program design, coding, debugging, documenting, and testing using Qbasic. (3)

(ESP) CST 133 Database Management

Database management using dBASE III+. Hands-on work. Create database files, reports, and write programs using the dBASE language. (1)

(ESP) GEOG 309 Political Geography

Relationship between geography and political science; concepts of nation and state; main geographical elements of modern states such as territory, boundaries, capital city, population; political pattern of the contemporary world from a geographical viewpoint. (3)

(ESP) HIST 307-95A Chicago History to 1871

Importance of geography and technology to the growth of Chicago from an outpost fort to the second largest urban center in the US during a time span of 75 years. Development of water and rail transportation and the accompanying establishment of the trading, processing, manufacturing, and retail enterprises. The city's ethnically diverse pre-Fort Dearborn beginnings through its rebirth after the Great Fire of 1871. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) HIST 307-95B Chicago History, 1871 to 1919

The growth of ethnic politics in Chicago. The struggle between members of the dominant Anglo-American culture, called the "Puritans," and the ethnics, mainly Germans, Irish, Swedes, and Bohemians. The effect of this struggle in the political campaigns of the time; how Prohibition, school, and labor issues reflect the ethnic conflict. The expanding power of the labor movement in Chicago and its setbacks in the Haymarket Tragedy and the Pullman Strike. The settlement house movement; Jane Addams's work at the

Hull House. The coming of Prohibition and the influx of new African-American voters in the 20th century. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) HIST 307-95C Chicago History, 1920 to Present

Emergence of Chicago as the capital of gangland corruption with the wide open city of the 1920s. The rise and decline of the Klan; continuing ethnic conflicts; African-American influx from the South. Depression-era federal aid as a source of aid to the unemployed. The growth of the Kelly-Nash machine, the forerunner of the modern Chicago Democratic machine. The flourishing defense industry of the war years; the rise to power of Richard J. Daley; racial and antiwar conflicts of the 1960s. Decline of the traditional Democratic machine; rise of Harold Washington; political turmoil that followed the death of Chicago's first black mayor. Rise of Richard M. Daley; comparison of his administration to that of both his father and Harold Washington. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) HIST 326-95 Social Perspectives on US History

This course consists of three modules. Descriptions are listed under HIST 326-95A, -95B, and -95C. (3)

(ESP) HIST 326-95A Technology and Social Values

What we mean by "technology" and by "values"; how technology has raised issues of value in the past; how we reconcile conflicts between values. Urgent questions of values raised by our technology, such as how computer networks affect our privacy, how automobiles conflict with environmental concerns, how we reconcile the benefits of nuclear power with its risks, how the emerging technologies of reproduction challenge our traditional ways of thinking, and how medical technologies have complicated the process of dying. Available through External Studies Program in print-based and Internet formats. (1)

(ESP) HIST 326-95B Social History: Humanity Against Disease

Human health in its social context; impact of illness on human societies and how different societies have coped with health problems at different stages of history; connections between disease and socioeconomic, political, religious, and psychological phenomena; impact of the biomedical and public health revolution of the past century in the historical perspective; perspectives of

history, sociology, and social psychology. (1)

(ESP) HIST 326-95C Women and Work: The Continuing Revolution

The revolution in women's work in the United States. In the recent past relatively few women worked for wages; today women are over half of the American labor force, and about 60 per cent of all women hold jobs. Topics include the history of working women; the effect of race and class on employment patterns; housework, clerical work, and the professions; and current issues. (1)

(ESP) HIST 327-95A American Labor History to 1860

Slavery, indentured servitude, and free labor in colonial America and in the early national period up to the Civil War. English labor law and its role in the development of the indenture system and laws to regulate free labor in early America. Efforts of the American colonists to invent rules for a slave system; varying influences which led to regional differences in this institution. (1)

(ESP) HIST 327-95B American Labor History, 1860 to 1920

Structural differences among the Knights of Labor, AFL, and IWW; limitations in organizing imposed by each structure. The influence of mass immigration on unionization; options beside unionization that were proposed to improve the lives of workers; relationship between technological improvement and union growth or decline; government's changing role in industrial disputes between 1865 and 1920. (1)

(ESP) HIST 327-95C American Labor History, 1920 to Present

Effects of the antiunion drive of the 1920s, the depression of the 1930s, and World War II on the labor movement and working conditions in general. Founding of the CIO and its structural and philosophical differences with the AFL; the basis for their eventual reunion. Increased role of government in labor relations; current trends and problems of the labor movement. (1)

(ESP) HIST 329-95 Social Perspectives on United States History

Development of US industry from the Civil War to the present within the context of social, cultural, and ethical issues. Important historical and contemporary

examples of the relationship between business and society. Three chronological periods—1865 to 1920, 1920 to 1945, and 1945 to present. Each time period includes case studies that address major issues or provide unique perspectives. Students will prepare their own case studies. (3)

(ESP) HIST 348-95 Introduction to the Holocaust, 1933 to 1945

Causes, events, and implications of the destruction of the European Jews. (1)

(ESP) PARA 370 Introduction to Law

Areas of law relating to civil practice; the responsibilities of the paralegal in these fields; the important role paralegal professionals play in today's legal system. Fundamentals of laws concerning torts, family law, property estate planning, administrative law, labor and employment law, and intellectual property. Instructors are experienced attorneys who emphasize current legal events. Students successfully completing this course who are later accepted into Roosevelt University's ABA-approved Lawyer's Assistant Program will be given credit toward one of the required courses. Available through External Studies Program in print-based and Internet formats. (3)

(ESP) PSYC 204-95 Relaxation Dynamics

The nine approaches to self-relaxation currently used by most health professionals. Isometric squeeze/progressive relaxation, yoga form stretching, relaxed breathing, somatic focusing/autogenic exercises, thematic imagery, contemplation, and meditation. Relaxation Dynamics, a major relaxation system, teaches how to put these techniques to work for stress management as well as for increasing performance at work, school, and athletics. (1)

(ESP) PSYC 347 Stress and Health

The impact of stress on our physical and psychological health. How our handling of life events can trigger the bodily symptoms and subjective experience of stress; various sources of stress to which we are vulnerable; current approaches to coping with stress; effective ways of managing stress.

Finance

FIN 301 Money and Banking

The nature of money and its role in the economy. The supply of and demand for money including the parts played by banks and the central bank. Theories of the effects of central bank policy including the quantity theory, Keynesian theories, and rational expectations. Introduction to the theory of interest. Also available through External Studies Program. Prereq: Econ 102, Eng 102, and Math 116. (3)

FIN 311 Business Finance

Time value of money, capital budgeting, methods of external finance, working capital management, financial statement analysis, cash budgeting, and other finance topics. Prereq: Acct 101, Econ 101, and Math 116 or 121. (3)

FIN 321 Investments

Media and markets, portfolio theory, valuation and selection of securities to meet alternative investment objectives. Prereq: Fin 311 and Econ 234. (3)

FIN 352 Financial Statement Analysis

Use of financial statements in interpreting financial condition for purposes of internal control or external evaluation. Acct 304 strongly recommended. Prereq: Fin 311. (3)

FIN 354 International Financial Analysis

Relationship between international forces and institutions and foreign investment decisions. Emphasis on international adaptations in working capital management, foreign exchange risk management, and international banking. Prereq: Fin 301 and 311. (3)

FIN 383 Financial Markets and Institutions

Financial intermediaries and markets from a perspective of the functioning of the financial system. Theories explaining the existence of intermediaries. Regulation of intermediaries and markets. Prereq: Fin 301 and Fin 311. (3)

FIN 385 Business Problems in Finance

Cases and problems involving application of financial theory to real world situations. Prereq: Fin 301, 311,

and Fin 321 or Fin 352, Econ 234. (3)

FIN 387 Derivative Securities

Futures, forward contracts, options, and swaps. The markets for derivatives, pricing theories for derivatives and other securities with embedded derivatives, and the use of derivatives to hedge risks. The pricing of ordinary securities using derivatives. Prereq: Fin 321. (3)

FIN 395 Independent Study in Finance

Students work under direction of finance department faculty member on projects selected by student and approved by supervising faculty member, department chairperson, and college dean. (1-3)

Financial Services

FNSV 300 Risk Management, Insurance, and Financial Services

Homeowners and automobile insurance; life insurance; health care financing; retirement planning; wealth management; and estate planning. Interaction between the insurance industry and the other sectors of the financial services industry. Concepts are introduced that form the basis for understanding later courses in financial services. (3)

FNSV 305 Commercial Property and Liability Insurance

Corporate uses and needs for insurance. Options designed to cover various types of property and liability exposures. Contract coverages, their limitations, and interactions. (3)

FNSV 310 Real Estate and Financial Services

Various facets of commercial real estate including factors affecting value, market, and real estate management. Financing of real estate and the various alternatives. Focus on commercial/industrial real estate issues—not on personal/individual real estate investment. (3)

FNSV 311 Insurance Company Operations

Financial, accounting, and management principles of the insurance industry. Interactions between selling new business and maintaining adequate levels of surplus. How an insurance company operates; how various

decisions impact the financial position. (3)

FNSV 320 Banking and Financial Services

Survey of banking and investment industries. Topics include the history of banking, banking regulation, bank operations, and the interaction of banks in the financial services world. (3)

FNSV 344 Financial Services Practicum I

Through a supervised internship program, students receive credit for meaningful interactions with the financial services industry. Prereq: permission program chair. (3)

FNSV 345 Financial Services Practicum II

A second supervised internship in the financial services industry. Prereq: permission of program chair. (3)

FNSV 350 Risk Management

Students are exposed to the risk management process and its applications. The course explores both traditional and newer manifestations of risk management and applications in corporates and public entities. (3)

FNSV 357 Life Insurance

Life insurance industry from the perspective of the products that are offered, internal company operations, rate making, and customer needs. How the industry works; what goes into the design of its products. (3)

FNSV 360 Employee Benefits

Employee benefits from the perspective of the employer and the benefit provider. The entire process from design to implementation of employee benefit programs. Readings and real world exercises provide a broad view of employee benefits. Designed for those in the fields of risk management, insurance, management, and human resources. (3)

FNSV 365 Topics in Financial Services

Two or three of the most recent topics that are of interest to the industry. Topics will change over time along with markets and industrial concerns. The course permits students to explore topics in depth and interact with professionals from the field. (3)

French

FREN 101 Elementary French

Mastery of basic listening, speaking, reading, and writing skills. For beginners. (3)

FREN 102 Elementary French

Continuation of Fren 101. Prereq: Fren 101 or equivalent. (3)

FREN 201 Intermediate French

Review of grammar essentials and continuing practice of basic listening, speaking, reading, and writing skills. Taught in French. Prereq: Fren 102 or equivalent. (3)

FREN 202 Intermediate French

Continuation of Fren 201. Prereq: Fren 201 or equivalent. (3)

Geography

GEOG 101 Physical Geography I

Earth materials, structure and landforms; interaction between human beings and landscapes in the context of natural resources and human activity. (3)

GEOG 102 Physical Geography II

Earth and sun relationships, weather, climate, soils, and natural vegetation; interaction between human beings and the atmosphere and hydrosphere. (3)

GEOG 305 Urban Geography

Principles of location and distribution of urban centers; urban land use; geographical aspects of city planning. Also available through External Studies Program. Prereq: Econ 101 or consent of instructor. (3)

GEOG 314 Introduction to Geographic Information Systems (GIS)

Computer collection, use and display of geographic data; geographic information systems. Focus on GIS applications, input and manipulation of data, conversion of data into usable databases, data analysis, and generation of map output and reports. Emphasis on hands-on instruction. Prereq: Cst 150 or computing

experience and consent of instructor. (3)

GEOG 321 Climatology

Composition and behavior of air masses in the production of weather and climate; world distribution of different kinds of climates and their characteristics. Prereq: Geog 102 or Geog 104 or consent of instructor. (3)

GEOG 344 World Resource Management and Conservation

Distribution, use, and interrelationship of natural resources in various world regions; conservation techniques of natural resources; problems of public policy related to their efficient management. Prereq: Econ 101 or consent of instructor. (3)

GEOG 350 Problems of the Urban Environment

Relates urban socioeconomic problems to environmental considerations such as congestion, air and noise pollution, and solid wastes; course emphasizes community involvement. (3)

GEOG 395 Readings and Special Problems in Geography

Independent study with a geography instructor. Prereq: consent of instructor and school director. (1-3)

Geology

GEOG 205 Environmental Geology

The geological context of environmental issues. Focus on climatology, hydrology, soils and sedimentary formations to provide a basis for understanding the movement of soil and water contaminants, the consequences of coal and oil extraction, acid rain, global warming, soil and water conservation, and hydrologic, atmospheric and nutrient cycles. Lecture and field work. Prereq: Chem 101 or consent of instructor. (4)

German

GER 101 Elementary German

Mastery of basic language skills of listening, speaking, reading, and writing. (3)

GER 102 Elementary German

Continuation of Ger 101. Prereq: Ger 101 or equivalent. (3)

GER 201 Intermediate German

Review of essentials of grammar and continuing practice of basic skills of listening, speaking, reading, and writing. Taught in German. Offered on demand; consult class schedule for availability. Prereq: Ger 102 or equivalent. (3)

GER 202 Intermediate German

Continuation of Ger 201. Prereq: Ger 201 or equivalent. (3)

History

HIST 106 The United States to 1865

Survey of main currents and development of American institutions and values through the Civil War. (3)

HIST 107 The United States Since 1865

Survey of main currents in development of American institutions and values from Civil War to present. (3)

HIST 111 The World to 1500

World history from the beginnings of civilizations to the age of discovery, covering several major regions of the world: Southwest Asia, East and South Asia, Europe, Africa, and the Americas. Comparison of the civilizations in these regions and contacts between them. Emphasis on social organization, ideas, technologies, and culture. (3)

HIST 112 The World Since 1500

Overview of major themes and topics in world history from the age of discovery to the present. The survey covers several major regions of the world: Southwest Asia, East and South Asia, Europe, Africa, and the Americas. The survey will compare the civilizations in these regions and will highlight contacts between them. The course will emphasize social organization, ideas, technologies, and culture. (3)

HIST 228 African-American History, 1619 to 1877

Evolution of slavery as a social and economic institution and role of free African Americans in American society up to and during Reconstruction. See also Afs 228. Prereq: sophomore standing. (3)

HIST 229 African-American History, 1877 to 1960

Survey of the African-American experience in America with attention to culture and participation in widespread social and political movements. See also Afs 229. Prereq: sophomore standing. (3)

HIST 232 African-American History, 1960 to Present

Examination of the civil rights, black power and economic empowerment movements. See also Afs 232. Prereq: sophomore standing. (3)

HIST 240 Introduction to Africa to 1500: The Pre-Colonial Period

Africa from the development of human civilization; migration; formation of kingdoms and territorial states; spread of Islam and Christianity; and intracontinental and intercontinental trading networks. See also Afs 240. Prereq: sophomore standing. (3)

HIST 253 Contemporary Global Cultures

This course will survey the main features of world culture today, using one nation from each major culture area as a case study. May be used to fulfill a signature course. See also Libs 253. Prereq: UWR. (3)

HIST 254 Social Justice: History and Issues

History of struggles for social justice in the Western world. Focus on ideas, social, economic, and political movements with emphasis on urban areas. Concludes with present day issues. May be used to fulfill a signature course. See also Libs 254. Prereq: UWR. (3)

HIST 260 Ethnicity in North American Cities

A temporal and spatial survey of North American cultural borders. Interdisciplinary perspective on the meaning and experience of ethnicity and national identity in North American cities. Historical dimensions of cultural conflict and change; relationship of cultural interaction to distinctive political and literary traditions; how social structure, economic forces, political structures, and cultural ideals have influenced

the development of a multicultural North America. Primary and secondary source readings. May be used to fulfill a signature course. See also Libs 260. Prereq: UWR. (3)

HIST 300 The Ancient World

This course will cover the classical societies of the ancient Mediterranean world beginning with the Greek city states, it will cover the rise of Rome and the nature and decline of the Roman Empire. Prereq: Hist 111. (3)

HIST 301 The Society and Culture of Medieval Europe

Structure and dynamics of social, cultural, and political institutions in Western Europe from later Roman Empire to mid-13th century. Prereq: Hist 111. (3)

HIST 302 The Renaissance and the Reformation

Society, economics, ideas, and politics in Western Europe from mid-13th century to 17th-century religious wars. Prereq: Hist 111. (3)

HIST 303 The Immigrant in the History of the United States

Reading and research on changing trends in immigration, assimilation efforts, and immigration politics and policies. Prereq: Hist 106 or 107. (3)

HIST 304 Camelot to Watergate: US, 1960 to 1973

Examines the policies and culture of the US from 1960 through the resignation of President Nixon. Prereq: Hist 107. (3)

HIST 305 Modern Imperialism

The overseas expansion of Europe and the US in the 19th and early 20th centuries, including their conquest, administration, cultural and technological transformation, and economic exploitation; anticolonial movement and wars of national liberation; and decolonizations after World War II. See also Pos 305. Prereq: Hist 112. (3)

HIST 306 The World Since 1945

Main currents in development of global institutions and values from 1945 to present. Prereq: Hist 107 or 112. (3)

HIST 307 History of Metropolitan Chicago

Examines growth of the city and suburbs, land use and economy, changing ethnic and social components, and politics and culture. Prereq: Hist 106 or 107. (3)

HIST 309 19th-Century Europe

This course will consider the long European peace from Waterloo to the outbreak of World War I and will cover the Industrial Revolution; the unification of Germany and Italy; the rise of liberalism, nationalism, and socialism; the tensions and rivalries of the turn of the century; and the expansion of European colonial empires. Prereq: Hist 112. (3)

HIST 310 Europe From Absolutism to Revolution, 1600 to 1789

Absolutism and the Scientific Revolution; social and cultural trends; and the growth of European overseas empires. Prereq: Hist 111. (3)

HIST 314 The Native American in the History of the United States

Survey of Native American life in relation to colonization, the expansion of the United States, and modern American society. Prereq: Hist 106 or 107. (3)

HIST 315 Latin America: From Conquest to Independence

Examines Central and South American Indian societies. Topics include socioeconomic, political, religious, cultural, and racial history of colonial societies through wars of independence. Prereq: Hist 112. (3)

HIST 316 Latin America Since Independence

Socioeconomic structures, law and politics, ideologies, growth and distribution of power and resources, religious culture, reform and revolution from independence to present. See also Pos 316. Prereq: Hist 112. (3)

HIST 317 The French Revolution and Napoleon

Study of collapse of Old Regime, course of revolution, Napoleonic era, impact of revolution on Europe and world. Historical controversies considered throughout. Prereq: Hist 112. (3)

HIST 320 Major Western Revolutions of Modern

History

Examines causes, development, and impact of major revolutions and revolutionary ideologies in the Western world beginning with Puritan revolution in England. Prereq: Hist 112. (3)

HIST 321 20th-Century Europe

Political and social history of Europe in the 20th century. Among the topics treated are the two world wars, fascism and communism, the decline and fall of colonial empires, the Cold War, recovery and prosperity after World War II, European unification, the collapse of the Soviet Union, and the Western European revolutions. Prereq: Hist 112. (3)

HIST 323 The Urban Vision: Cities and Suburbs in American Thought and History

Intellectual and social history of US cities from colonial small town to 21st-century megalopolis. Focus on environment, politics, immigration, race and ethnicity, work, family life, reform, mass culture, and suburbanization. Prereq: Hist 106 or 107. (3)

HIST 326 Topics in American Social History

Topics include gender roles; gender and labor; childhood in America, and the West in American history. Prereq: see Class Schedule. (3)

HIST 327 United States Labor History

Development of labor organizations from 1840 to present and changing lifestyle of the laboring population. Prereq: Hist 107. (3)

HIST 329-95 Social Perspectives on United States History

Development of US industry from the Civil War to the present within the context of social, cultural, and ethical issues. Important historical and contemporary examples of the relationship between business and society. Three chronological periods—1865 to 1920, 1920 to 1945, and 1945 to present. Each time period includes case studies that address major issues or provide unique perspectives. Students will prepare their own case studies. (3)

HIST 330 Colonial and Revolutionary America

Evolution of colonial American social, economic, and

political institutions. Prereq: Hist 106. (3)

HIST 331 Constitutional History of the United States

Major topics in American Constitutional development from colonial beginnings through the 20th century. Prereq: Hist 106 or 107. (3)

HIST 333 The American Civil War and Reconstruction

Emphases on the causes of Civil War; the interrelationship between government and partisan politics; the advent of central state authority; the role of slavery; and the controversies surrounding Reconstruction as seen within a national context. Prereq: Hist 106 or 107. (3)

HIST 337 History of Reform Movements in the United States

Analysis of reform movements including abolitionism, populism, progressivism, New Deal, the 1960s, and recent reform movements. Prereq: Hist 106 or 107. (3)

HIST 339 The African-American Experience in 20th-Century America

Explores topics from the era of Booker T. Washington to the present with emphasis on African-American protest movements. Prereq: Hist 229 and Hist 232. (3)

HIST 341 Topics in European History

Topics may include Russian and Soviet histories; class formations and divisions, intellectual currents, and revolutionary upheavals. Prereq: see Class Schedule. (3)

HIST 342 Topics in World History

Asian, African and European studies; topics may include global linkages. Prereq: see Class Schedule. (3)

HIST 346 History of World War II

Investigates causes, campaigns, home fronts, and diplomacy of the war, including analysis of its effect on human affairs worldwide. Prereq: Hist 107 or 112. (3)

HIST 347 The History of the Vietnamese Wars

Examines roots of Vietnamese revolution. Topics include struggle between French and Viet Minh, the American-Vietnamese war, and emphasis on international and domestic consequences. See also Pos 347.

Prereq: Hist 107 or Pos 201. (3)

HIST 348 History of Nationalism

Content and issues of one of the most important currents of modern history; basic historical methodologies. Hist 112. (3)

HIST 349 North American Slavery

Study of Atlantic slavery with emphases on slavery in Africa; on European labor needs in the New World; on the emergence of chattel slavery in the US; and on the character of a transformed African population. (3)

HIST 351 The United States in the Early National Period, 1789 to 1829

Emergence of a new government under the Constitution of 1787; appearance of political parties around Hamilton, Jefferson, and Madison; constitutional issues; and emergence of the market revolution. Prereq: Hist 106. (3)

HIST 352 The Making of Modern America, 1880 to 1929

Populism, the Progressive Movement, immigration, rise of Jim Crow, nationalism, and emergence of the United States as a world power. Prereq: Hist 107. (3)

HIST 353 America Transformed, 1929 to 1945

Study of the tumultuous years from the Great Depression through World War II with emphasis on social, political, and cultural history. Prereq: Hist 107. (3)

HIST 356 Nazi Germany

Political, social, intellectual, and economic preconditions for rise of Third Reich; survey of institutions, ideology, and techniques of totalitarian rule. Prereq: Hist 112. (3)

HIST 357 The United States from 1945 to Present

Major issues that have shaped the US in recent decades emphasizing both domestic social and political history and foreign policy. Prereq: Hist 107. (3)

HIST 365 Black Chicago's History and Culture, 1770 to 1960

The role and impact of the African-American com-

munity on the culture, society, politics, and economy of the city of Chicago from DuSable to 1960. See also Afs 365. Prereq: Hist 107 or 228 or 229. (3)

HIST 366 The Holocaust in Historical and Philosophical Perspective

The background, causes, events, impact, and implications of the destruction of the Jews in Europe. Discussion of vital issues from a wide variety of readings. May be used to fulfill the senior seminar. See also Libs 366. Prereq: senior standing and UWR. (3)

HIST 367 Love, Sex, and Marriage in the Western World

Development of attitudes and behavior concerning love, sex, and marriage and their interrelationships with broader social, cultural, and political trends in Western civilization. Prereq: Hist 111 or 112. (3)

HIST 368 Antebellum America, 1828 to 1860

Political re-formation from the election of Andrew Jackson to the election of Lincoln; Jacksonian Democracy; importance of slave labor and wage labor as cores of the market economy; religious-based reform; countervailing influences of nationalism and sectionalism. Prereq: Hist 106 or 228. (3)

HIST 370 History of Africa After 1500

Emphasis on the influence of European and Asian contacts on the continent; on the transatlantic and Middle Eastern slave trades; on state formation; and on resistance to the rise of European colonial domination. See also Afs 370. Prereq: Hist 240. (3)

HIST 371 Modern and Contemporary Africa

The rise of nationalism; end of colonialism; rise of neo-colonialism; Cold War influences; managing the problems of independence. See also Afs 371. Prereq: Hist 240. (3)

HIST 372 History of American Family Life

Special consideration of child rearing practices, role of women in family structure, and impact of technological change on family life. Prereq: Hist 106 or Hist 107. (3)

HIST 377 Environmental History

The impact of human activities on the natural environ-

ment. Agriculture, irrigation, fishing, industrialization, and population growth and their effects on the lands and waters of North America and the tropics from 1492 to the present. May be used to fulfill the senior seminar. See also Libs 377. Prereq: senior standing and UWR. (3)

HIST 382 Black Chicago's History and Culture Since 1960

How African Americans in Chicago have changed their status since the advent of the modern civil rights era. Resurgent movements in politics, protest advocacy, economic empowerment, and culture. See also Afs 382. Prereq: Afs 102 or Hist 229. (3)

HIST 383 History and Politics of Women in the United States

Women in the US from colonial times to the present. Emphasis on the women's rights movement and feminism, work, family, health, and education. Issues of class, race, ethnicity. Prereq: Hist 106 or 107. (3)

HIST 388 History of Canada

From Viking discovery to the NAFTA treaty. Emphasis on 20th-century Canada, development of Quebec nationalism, United States-Canadian relations, and the growth of a multicultural nation. Prereq: Hist 106 or 107 or 112. (3)

HIST 391 History of Mexico

Social, economic, political and cultural development of Mexican society from its pre-Hispanic roots through Spanish conquest, independence movements; the Revolution, and evolution into modern Mexican society. Prereq: Hist 111 or 112. (3)

Hospitality and Tourism Management

HOSM 200 Financial Accounting for the Hospitality Industry

Principles of financial accounting applied to lodging and food and beverage operations, including concepts, practices, and the preparation and analysis of financial statements. (3)

HOSM 201 Introduction to the Hospitality and Tourism

Industry

All aspects of management of hospitality operations including growth and development, organizational structure, operations, sales and marketing, accounting and finance, and the fundamental role of guest service. Also available through External Studies Program in print-based format. (3)

HOSM 210 Front Office Management

Effective principles and techniques of front office operation. The flow of reservations through collection and accounting. Front office procedures within the context of the overall operation of the lodging establishment. Revenue enhancement, room inventory management, handling guest complaints, and loss inventory management. (3)

HOSM 211 Personnel Management for the Hospitality Industry

Application of skills and techniques in recruiting, interviewing, supervising, staffing, and scheduling. Emphasis on methods of effective training, use of incentive systems, and the relationship between organizational structure and behavior. Prereq: Hosm 201 or concurrent. (3)

HOSM 212 Problems of Rooms Division Management

Topics include management of front office, concierge, bell service, PBX, reservation, and security. Emphasis on building management. Importance of housekeeping and engineering functions to successful organization. Operational problem solving exercises based on industry examples. (3)

HOSM 230 Food and Beverage Management

Introduction to food and beverage operations management covering menu planning, forecasting, purchasing, inventory and storage, issuing, preparation, service, waste management, and sanitation. Various management approaches introduced and evaluated. Also available through External Studies Program in print-based format. Prereq: Hosm 201 or concurrent. (3)

HOSM 231 Introduction to Meeting, Convention, and Exposition Management

Overview of corporate and association meetings, conventions, and trade and consumer shows from historical, operational, and economic standpoints.

Emphasis on the role of meeting planners within their organizations and their relationships to industry suppliers. Career opportunities introduced by industry professionals through guest presentations, panel discussions, and off-campus visits. (3)

HOSM 250 Hospitality Sales

Sales consist of direct efforts to sell hotels, food service products, and other hospitality services by personal contact, telephone, and mailing. Topics include hospitality products, sales techniques, markets, consumers, and sales strategies. Marketing's role and its relationship to sales and the importance of sales, sales as a career, and the challenges of hospitality sales. (3)

HOSM 275 Hospitality Law

Legal environment of the hospitality industry as it relates to the effective management of risk and prevention of loss. Topics include types of law, contracts, agency, employer/employee relationships, liability, and specific applications to lodging, food and beverage, and meeting, convention, and exposition management. Also available through External Studies Program in print-based format. (3)

HOSM 285 Internship in Hospitality Management

A supervised learning experience in the hospitality industry. The operations of food and beverage, lodging, or meeting, convention, and exposition management organizations. Students prepare learning objectives at the initiation of the placement and written evaluations of their learning experiences at the conclusion. Placements and learning objectives are subject to the approval of the instructor. (3)

HOSM 290 Methods and Research in Hospitality Management

Fundamental concepts and techniques of applied business research in the hospitality industry. Emphasis on applied research that can be carried out effectively and economically by managers in the industry to identify market opportunities, determine levels of customer satisfaction, monitor quality of service, and improve employee relations. (3)

HOSM 300 Managerial Accounting for the Hospitality Industry

Principles of managerial accounting as applied to lodging and food and beverage operations. Topics include

financial statement analysis, concepts of cost, cost allocation, operating and capital budgeting, break-even analysis, discounted cash flow, and tax impact. Prereq: Hosm 200 or Acct 101. (3)

HOSM 301 Management and Operations in Hospitality

Information presented in financial statements related to the underlying operations. Conceptual foundations and practical skills necessary to diagnose operational problems in hospitality organizations, evaluate alternatives, and recommend optimal solutions. Extends the material in the Managerial Accounting course through an examination of changing financial operating structure through capital improvements. (3)

HOSM 302 Hotel Operations

Managerial perspective in hotel operations. The critical functions of administration, including coordination, communication, and record keeping. The importance of effective external relationships with the media and with labor unions. (3)

HOSM 303 Hotel Development and Opening

The development of a hotel from concept to actual operation. Emphasis on site selection, feasibility studies, and strategic planning. Staffing the property, the role of the pre-opening office, consumer advertising, and public relations. Case studies. (3)

HOSM 304 Facilities Management and Engineering

Engineering and maintenance needs of the lodging, food and beverage industry. Emphasis is on building environment and rehabilitation, mechanical and electrical equipment, utilities, and energy conservation management. Also available through External Studies Program in print-based format. (3)

HOSM 311 Organizational Development for Hospitality

Evolution of organization theory and management practices with particular emphasis on the hospitality industry. Topics include the sociological and the psychological view of organization functioning; accounting and human resources functions; implications of technology on work; management ideology, unionism, and worker empowerment; product development and service focus; and the impact of social movements and government initiatives on organization practices. Also available through External Studies Program in print-based format. (3)

HOSM 315 Applications and Techniques of Meeting and Conference Management

Tools needed to plan and manage successful meetings and conferences. Students cover 24 of the 27 functions of meeting and conference planning as defined by the Convention Industry Council. Students prepare and review planning documents, analyze cases, and present a final project composed of the presented meeting planning disciplines for an actual or fictitious conference. (3)

HOSM 317 Issues and Trends in Meeting and Conference Management

Topics include marketing conferences, trade shows, and special events; legal issues for meetings and conferences; contract negotiations; adult learning; program design, and evaluation; food and beverage trends for successful conferences; and technological trends. (3)

HOSM 323 Exposition Management

History and development of the exposition industry; activities of its key participants, including exhibitors, attendees, and support organizations. Selecting sites, budgeting, negotiating, registering, scheduling, and promoting expositions. Exposition design and labor management. (3)

HOSM 324 Special Events

Various disciplines of special event planning including site selection, entertainment, catering, pyrotechnics, equipment and tent rental, props, floral décor, and lighting. Buyers of and markets for special events. Students will be responsible for planning a special event of their choice for a fictitious client. (3)

HOSM 325 International Tourism

The roles of international public and private sector organizations and associations, educational and research institutions, and transnational and local corporations. Comparisons of different national tourism strategies. The sociocultural, economic, and environmental impacts in industrialized and Third World countries. The implications of broad global trends and issues on tourism. (3)

HOSM 326 Urban Tourism

Chicago is used as the setting for this course which examines how tourism-related decisions are made in

the complex of competing community, corporate, and political interests. These decisions are evaluated on the basis of the social, cultural, economic, and environmental impacts of tourism on the city. The global and competitive nature of tourism, its varied forms, and the cooperative-competitive tensions which exist between organizations at the local, state, national, and international levels. (3)

HOSM 327 Tourism and the Hospitality Industry

Tourism planning, development, and management. The social and psychological questions of why people travel. Emphasis on market demand considerations, feasibility analysis of destination development, planning processes, finance, and personal requirements. Economic role and impact of tourism nationally and internationally. Retail travel agency management and tour wholesaling. Also available through External Studies Program in print-based and Internet formats. (3)

HOSM 330 Food and Beverage Controls

Management of resources in food and beverage operations. Planning and budgeting, establishing standards, and monitoring performance. Techniques for labor planning, scheduling, and staffing. Production controls, such as standard recipes, portion sizes, and methods. (3)

HOSM 333 Purchasing for the Hospitality Industry

Procurement of goods and services for hospitality operations, including needs assessment, products and specifications, and bidding procedures. Management considerations include single vs multiple vendors, bidding frequency, and cost/benefit analysis. Also available through External Studies Program in print-based format. (3)

HOSM 334 Club Management

Taught by a group of club executives, industry experts, and club managers, an in-depth, hands-on look at multisport and fitness club management. History and development, marketing and promotion, club law, human resources, operations, budgets, and club accounting. Considerations unique to clubs, including insurance, recreational management, membership issues, and working with owners. (3)

HOSM 335 Restaurant/Foodservice Management

Management of foodservice operations from a systems

perspective. Topics include issues in commercial and institutional foodservices, industry trends, competitive analysis, evaluation of operations, and implementing change in foodservice organizations. (3)

HOSM 337 Wines, Liquors, and Beverages

Origins, production, classifications, and characteristics of all types of alcoholic beverages. Beverages are viewed from historical, social, economic, and political perspectives. Training of servers and the liability of owners; aspects of bar management including marketing, advertising, and hiring. The complementary relationships between certain foods and drinks. (3)

HOSM 338 Seminar in Design, Layout, and Engineering

Programming and space analysis, work analysis, design and layout, engineering, equipment selection, and environmental design for food and beverage facilities. Students prepare designs for commercial and/or institutional food and beverage operations. (3)

HOSM 339 Multi-Unit Food and Beverage Management

Operation, management, and control of systems for multi-unit or chain food and beverage operations. (3)

HOSM 340 Computer Applications for the Hospitality Industry

Fundamentals of computer usage through spreadsheets, word processing, and database applications oriented to the hospitality industry; specific applications programs for lodging, food and beverage, and meeting, convention, and exposition management. (3)

HOSM 345 Seminar in Hospitality Management Techniques and Problems

Issues, trends, and problems facing the contemporary hospitality manager. A different topic is covered each semester. Guest lecturers from the industry present their perspectives on the topic; students prepare a major position paper on an issue. (3)

HOSM 350 Advanced Marketing for the Hospitality Industry

Management of the marketing function for hospitality organizations. Emphasis on the development and implementation of marketing plans. Topics include market research, positioning, marketing plan development, promotion and personal selling, advertising, and

specific business development techniques. Also available through External Studies Program in print-based format. (3)

HOSM 360 The Communication Function in the Hospitality Industry

Effective written communication illustrated in business memos, letters, reports, press releases, and presentations. Survey of interview process as major form of communication. Emphasis on employment, goal setting, appraisal, and disciplinary interview. (3)

HOSM 370 Multicultural Issues in Hospitality Management

Diversity and multiculturalism are critical themes in the hospitality industry, particularly for those who prepare for management-level positions. Developing understanding, sensitivity, and competence in the midst of diversity is essential to successful leadership in the industry. History of the industry, critical contemporary issues, development of competence and sensitivity. (3)

HOSM 371 Advanced Cost Control: Food and Beverage Controls for the Kitchen Manager

Duties required of the food and beverage office as they apply to kitchen cost analysis. Break-even point analysis, menu analysis, price point structuring, and beverage analysis. (3)

HOSM 372 Computer Applications for the Culinary Manager

Up-to-date software and programs applicable to total quality kitchen management. Profit and loss analysis, spread sheets, and various cost control programs. All programs will be compatible with both IBM and Macintosh computers. (3)

HOSM 373 Modern Food Technology

Biotechnology, genetics, and the future of farming and its effect on the food we eat. Modern food equipment, processing techniques, and packaging. Field trips. (3)

HOSM 374 Global Healthy Cuisine

Foods used to provide each culture the basis of a healthy diet. The American Pyramid will be compared to the Asian, Latin American, and Mediterranean pyramids based on studies made by Oldways Preserva-

tion. Classical and present-day menus analyzed for nutritional content and reformatted using computer-generated nutritional programs to reduce fat and protein consumption. Substitutions of foods to provide great flavor and perceived value without excess fat and protein. (3)

HOSM 375 Culinary History I

Origins of food throughout the world and its uses by various cultures. Asian, Middle Eastern, and European cultures will be studied in conjunction with their effect on the New World, and the New World's effect on them. Table manners, eating styles, and culinary instruments. (3)

HOSM 376 Culinary History II

Post-Columbian evolution of the New World. South American, Latin American, Caribbean, and the North American food culture. The American diet traced back to a melting pot of cultures and food stuffs that were indigenous to the five continents. Inventions, restaurants, hotels, and the innovators who helped to shape the US into a modern fusion of great cuisine. (3)

HOSM 377 Contemporary Issues for the Food and Beverage Manager

Critical issues affecting the food and beverage industry today. Topics include political, social, ethical, and environmental concerns. Organizations, such as the Illinois Restaurant Association, National Restaurant Association, and the Council of Hotel, Restaurant, and Institutional Education, which play a major role in the success of food and beverage operators. Guest speakers and site visits. (3)

HOSM 378 Culinary Management in Food Retailing

Chef managers in retail markets, food stores, and large food chains. Demands and marketing strategies of the retail trade. Various types of retail markets, such as Whole Foods and Byerlys; large chains such as Dominicks and Jewel Food Stores. (3)

HOSM 379 Research and Development in the Corporate Test Kitchen

A laboratory environment which duplicates the processes through which corporate chefs initiate new product development. Test products will be developed through the several stages to final production. Guest corporate chefs and technologists. (3)

HOSM 380 Nutrition in Foodservice

As one of the world's leading industries, the foodservice industry bears the responsibility of assuring the public safety and quality of foodstuffs. The chef manager must understand how to offer foods effectively that are high in nutrition, free from harmful additives, and can stand prolonged shelf life. Understanding of labeling and packaging, nutritional alternatives, and marketing strategies to sell healthy products without destroying the integrity of food products. (3)

HOSM 381 Marketing the Food and Beverage Industry

Marketing of single restaurants, clubs, chains, and hotel food and beverage products. Marketing strategies will be shared, and students will learn how to get the best return for their investments in marketing. (3)

HOSM 385 Internship in Hospitality Management

A supervised learning experience in the hospitality industry. Students prepare learning objectives at the initiation of the internship and written evaluations of their learning experiences at the conclusion. Placements and learning objectives are subject to the approval of the instructor. (3)

HOSM 386 Internship in Hospitality Management

A supervised learning experience in the hospitality industry. Students prepare learning objectives at the initiation of the internship and written evaluations of their learning experiences at the conclusion. Placements and learning objectives are subject to the approval of the instructor. (3)

HOSM 393 Special Topics in Hospitality

Special interest topics and research analysis covering all areas of hospitality management. (3)

HOSM 395 Independent Study in Hospitality Management

An opportunity to gain practical experiences in areas not currently covered by the curriculum. Independent study is open only to juniors and seniors with the approval of the instructor, department director, and dean of the college. (1-6)

HOSM 399 Hospitality Senior Project

Develop and enhance fundamental intellectual skills by

applying them to issues facing the hospitality industry. A guided independent research project on a topic affecting the hospitality industry, chosen in consultation with the instructor. Thorough investigation and rigorous critical reflection on a topic of vital interest and relevance to the student as a practicing hospitality professional. (3)

Human Resource Management

HRM 311 Introduction to Human Resource Management

Human resources point of view as indispensable approach to successful results in organizing human effort in modern business; contributions of behavioral sciences to interpersonal relations; present-day human resource theory and practices. Also available through External Studies Program in print-based and Internet formats. (3)

HRM 313 Wage and Salary Administration

Relationship of job evaluation, job classification, merit rating systems, seniority systems, and salary surveys to wage and salary administration; examination of all forms of compensation, including wage rates, salary structure, incentive systems, bonus plans, profit sharing, stock options, and fringe benefits. Prereq: Hrm 311. (3)

HRM 321 Employment Techniques

Basic approach to work force management; staffing schedules; position specifications. Emphasis on selection process, especially interviewing, using role-playing techniques. Prereq: Hrm 311. (3)

HRM 331 Industrial Relations Management

Survey of industrial relations. Collective bargaining, arbitration, and mediation; communication between management and labor; recent labor legislation. Prereq: Hrm 311. (3)

HRM 360 Employee Benefits

See Fnsv 360. (3)

HRM 361 Supervisory and Employee Training

Methods of training employees; building training programs; developing supervisors; determining need for supervisory training; measuring results of training; examination of growth of company training programs. Prereq: Hrm 311. (3)

HRM 395 Independent Study in Human Resource Management

See Mgmt 395.

Information Systems

INFS 330 Management Information Systems

Use and development of management information systems. Organizational and technical concepts, stressing the roles of data and information; global aspects of information systems; business problem solving. Also available through External Studies Program. Prereq: Mgmt 358. (3)

INFS 334 Systems Development

Theory of systems development; systems analysis and design; system synthesis; procedures charting; form design; control and standardization. Prereq: Mgmt 300 and Infs 330. (3)

Italian

ITAL 101 Elementary Italian

Mastery of basic language skills of listening, speaking, reading, and writing. For beginners. (3)

ITAL 102 Elementary Italian

Continuation of Ital 101. Prereq: Ital 101 or equivalent. (3)

ITAL 201 Intermediate Italian

Review of essentials of grammar and continuing the practice of basic skills of listening, speaking, reading, and writing. Taught in Italian. Offered on demand; consult class schedule for availability. Prereq: Ital 102 or equivalent. (3)

ITAL 202 Intermediate Italian

Continuation of Ital 201. (3)

Jazz Studies

(see Music: Jazz Studies)

Journalism

JOUR 201 Communication in the Information Age

Overview of print and broadcast journalism, public relations and advertising, with emphasis on the role and effects of media in society. The course emphasizes the transformation of mass communication resulting from the development, diffusion and convergence of new technologies. Prereq: Eng 102 with a grade of C or better or consent of instructor. (3)

JOUR 202 Introduction to Public Relations

Principles, history, and practice of public relations in business, educational institutions, social welfare organizations, government, military services; processes of influencing public opinion; analyses of public relations programs; ethics. Prereq: Jour 201 or consent of instructor. (3)

JOUR 203 Introduction to Advertising

Overview of advertising principles and practice. Introduction to each area of the advertising business, including research, account management, and media planning and buying as well as creative design, copywriting, and commercial production. Prereq: Jour 201 or consent of instructor. (3)

JOUR 205 Introduction to Graphic Design

Typefaces, photographs, and other illustrations, decoration and ornamentation, layout in presentation of news; use of graphics to reflect publication character and to attract readers. Work with Illustrator and Photoshop. Prereq: Jour 201 or consent of instructor. (3)

JOUR 208 Introduction to Broadcasting

Overview of radio, television and cable: history, structure and social responsibility of broadcast organizations, adaptation of news, tour of broadcasting station. Prereq: Jour 201 and Jour 208 or consent of instructor. (3)

JOUR 220 Media Writing

Newsriting principles, interview techniques, classroom and outside writing practice; introduction to writing appropriate to print journalism, broadcast journalism, public relations and advertising. Course meets for five hours weekly and includes writing in lab. Prereq: Jour 201 or consent of instructor. (3)

JOUR 222 Feature Writing

Principles and practices of writing newspaper and magazine features. Prereq: Jour 201 or consent of instructor. (3)

JOUR 240 Communications Research

Research techniques for measuring audience attitudes, interests and opinions. Focus on selecting appropriate research methods/techniques; gathering primary and secondary data; analyzing, interpreting, reporting, and applying data in social, commercial, and political environments. Includes researching information on computerized databases and Internet. Prereq: Jour 201 or consent of instructor. (3)

JOUR 243 Visual Communication and Technology

An in-depth look at the development of visual communication from the Renaissance to virtual reality. Review of technologies such as photography, film, digital imaging, multimedia, the Internet and the World Wide Web. Prereq: Jour 201 or consent of instructor. (3)

JOUR 305 News Broadcasting

News reporting for radio and television: writing, video editing and delivering news and feature stories. Class meets for five hours weekly. Prereq: Jour 201, Jour 208 and Jour 220. (3)

JOUR 310 History of Journalism

Development of journalism from European antecedents of the American colonial press through trends developing during the 21st century. Examines US newspapers, magazines, radio, television, and other media. Considers the nature of historical evidence and interpretation. Same as Hist 329 History of Journalism; research paper can meet history-major writing requirement. (3)

JOUR 312 Journalism and Society

The media as instruments for change in society; their relationship with various levels of government; strengths, shortcomings, ethical issues. (3)

JOUR 319 News Reporting

Field reporting course with emphasis on writing detailed or complex stories from student-initiated beat coverage, interviews, on- or off-campus events, and assignments; course also includes research and writing from documents and press conferences. Prereq: Jour 220. (3)

JOUR 320 News Reporting III

This course is no longer offered. Students completing programs that required Jour 320 should consult with the school director for a substitute. (3)

JOUR 321 Internship

In-service training with a professional publication, a broadcast station, a public relations agency or an advertising agency. Students should consult with their academic advisors for a copy of the internship syllabus. Prereq: for journalism, Jour 201 and 220; for public relations, Jour 202, 220, and one other public relations course; for broadcast, Jour 208, 220, and 305; for advertising, Jour 203, 220 and one other advertising course. Consent of internship supervisor required. (3)

JOUR 323 TV: Issues and Art

Television as a social force; controls exercised by regulatory agencies, station owners, and public; as a popular art form, its history and program genres. Prereq: Jour 220 or consent of instructor. (3)

JOUR 325 Photography: From Chemical to Digital

Introduction to black and white photography and digital imaging. Theories and problems, basic camera and darkroom techniques, working with Photoshop on Macintosh computers. Students provide cameras and some supplies. Lab fee. Prereq: Jour 201 or consent of instructor. (3)

JOUR 330 Reviewing the Contemporary Arts

Analysis and writing of book, theater, film, musical performance, dance, and visual arts reviews. Prereq: Jour 220 or consent of instructor. (3)

JOUR 331 Travel Writing

Tradition and practice of travel writing; reading of significant travel writers; travel writing assignments. Prereq: Jour 220 or consent of instructor. (3)

JOUR 340 Publicity and Media Campaigns

Theory and nature of materials emanating from public relations department or counseling firm; practical analysis and development of materials used to generate reaction and support from specialized groups. Prereq: Jour 202 and Jour 220 or consent of instructor. (3)

JOUR 341 Public Relations Case Problems

Case studies and public relations problems in industry, labor education, government, social welfare, trade associations. Planning and preparation of communication materials for various media; public relations techniques. Prereq: Jour 202 and 220 or consent of instructor. (3)

JOUR 342 Politics and Communication

Influence of political and social forces on mass media in modern society; discussion of media ownership; concentration of control of media institutions, cultural and class bias, government pressures, influence of mass media on the political process. Prereq: Jour 220 or consent of instructor. (3)

JOUR 345 Writing for Newsletters

Skills course focused on information gathering and writing skills for newsletters. Prereq: Jour 220 or consent of instructor. (3)

JOUR 346 Newsletter Publishing

Audience research, budget planning and production overview for newsletters, both print and online, whether they are strictly journalistic entities, promotional arms of business or adjuncts to organizations. Students produce a prototype newsletter and use QuarkXpress software for design. Prereq: Jour 220 or consent of instructor. (3)

JOUR 347 Creative Marketing Campaigns

Combining art and copy for effective strategy; using persuasive techniques and ideas in successful integrated marketing communications campaigns. A project-based capstone course. Prereq: all other

required courses in the advertising major. (3)

JOUR 350 Editing

Emphasis on grammar, usage, copy editing, headline writing; overview of editorial processes and standards; introduction to layout and design, and photo editing. Prereq: Jour 220 or consent of instructor. (3)

JOUR 351 Public Opinion and Propaganda

Factors in public opinion formation; techniques and uses of public opinion polling; definition, identification, and socially positive and negative uses of propaganda. Prereq: Jour 201 or consent of instructor. (3)

JOUR 352 Editorial and Column Writing

Writing of well researched, logically argued editorials and columns expressing opinion of newspaper, other publication, broadcast station, or individual journalist. Prereq: Jour 319 or consent of instructor. (3)

JOUR 353 The Non-Daily and Ethnic Press

Roles of suburban and rural press, ethnic newspapers, and alternative newspapers. Prereq: Jour 220 or consent of instructor. (3)

JOUR 354 Publication Design

Theories of design and practical experience with creating layout and using photos and art in newspapers, magazines, newsletters, online publications. Students use QuarkXPress software for hands-on layout exercises. Prereq: Jour 220 or consent of instructor. (3)

JOUR 355 Magazine Writing

Research and writing of articles for the contemporary magazine. Prereq: Jour 220 or 222 or consent of instructor. (3)

JOUR 357 Magazine Production

Research, writing, design, and production of magazine. Students use QuarkXPress in creation of a magazine prototype. Prereq: Jour 220 or consent of instructor. (3)

JOUR 361 Advanced Photography

An exploration of digital and chemical photographic practice and theory. Students will learn how to shoot

using artificial light, will develop and print black and white photographs, and will produce a substantial portfolio. Prereq: Jour 325 or consent of instructor. (3)

JOUR 363 Communications Law

First Amendment rights and responsibilities; libel and slander; legal access to public meetings and documents; restrictions on print and broadcast media. Prereq: Jour 220 or consent of instructor. (3)

JOUR 365 Writing for Trade Journals

Research and writing of articles for specialized trade journals; survey of trade journal field. Prereq: Jour 220 or consent of instructor. (3)

JOUR 374 Science Writing

Students research and write articles on scientific topics, ranging from genetic engineering to voice activated computers. Prereq: Jour 220 or consent of instructor. (3)

JOUR 375 Media Criticism

Students use newspapers, magazines and the Internet in applying contemporary criticism to current media issues and performance. Emphasizes the social impact of mass media messages. Prereq: Jour 201 or consent of instructor. (3)

JOUR 389 New Media and Technology

Broad overview of current trends and new forms of media and technology and their potential effects. Course focuses on the World Wide Web, interactive media, online services, digital photography, and other current topics. Lecture/lab, discussion, hands-on experience with computer applications, including fundamentals of website design. Prereq: Jour 201 or consent of instructor. (3)

JOUR 393 Practicum

Designed for students who cannot complete traditional internships. Possible hands-on projects include writing or design of the School of Communication and/or other University newsletters and writing/editing for The Torch student newspaper. Approval of the internship supervisor is required. (3)

JOUR 395 Independent Study

Independent projects in journalism, public relations or advertising in which students work closely with a faculty supervisor. Students must arrange their independent projects with their faculty supervisors before registering for independent studies. Prereq: consent of instructor. (3)

Liberal Studies

LIBS 111 Great Ideas I

Important ideas and themes through a reading of great works of literature. Readings include an ancient Greek play or epic, a selection from the Bible, a dialogue of Plato, a reading from the Middle Ages, a Renaissance work, one of Shakespeare's plays, and a 17th-century work dealing with the rise of modern science. Prereq: Eng 101 or concurrent. (3)

LIBS 112 Great Ideas II

The sequel to Libs 111. An 18th-century Enlightenment work, a reading on Romanticism (novel or poetry), a 19th-century novel, a 19th-century work on political philosophy, a late 19th- or early 20th-century work on the dilemma of modernism, a notable 20th-century work of literature or philosophy. Prereq: Eng 101 or concurrent. (3)

LIBS 241 Environmental Problems of Metropolitan Areas

See Pos 341. Prereq: UWR. (3)

LIBS 245 The City and Citizenship

See Pos or Soc 245. Prereq: UWR. (3)

LIBS 246 Arts and Urban Life

See Art 246. Prereq: UWR. (3)

LIBS 247 The Arts and Modernism

See Eng 247. Prereq: UWR. (3)

LIBS 248 Gender and Urban Life

See Econ 248. Prereq: UWR. (3)

LIBS 254 Social Justice: History, Issues, Strategies

See Hist 254. Prereq: UWR. (3)

LIBS 260 Ethnicity in North America

See Hist or Pos 260. Prereq: UWR. (3)

LIBS 316 History of Mathematics

See Math 316. Prereq: senior standing and UWR. (3)

LIBS 331 Technology and Human Values

See Phil 331. Prereq: senior standing and UWR. (3)

LIBS 335 Peace Studies

See Phil 335. Prereq: senior standing and UWR. (3)

LIBS 340 The Presidency

See Pos 340. Prereq: senior standing and UWR. (3)

LIBS 348 History and Literature of Native American Genocide

See Eng 348. Prereq: senior standing and UWR. (3)

LIBS 349 Atomic Bomb in History and Culture

See Pos 349. Prereq: senior standing and UWR. (3)

LIBS 360 Cosmology and Creation

See Phil 360. Prereq: senior standing and UWR. (3)

LIBS 366 The Holocaust in Historical and Philosophical Perspective

See Hist 366. Prereq: senior standing and UWR. (3)

LIBS 374 Women in Art

See Art 374. Prereq: senior standing and UWR. (3)

LIBS 377 Environmental History

See Hist 377. Prereq: senior standing and UWR. (3)

LIBS 391 Aids: Science, Culture and Power

See Pos 391. Prereq: senior standing and UWR. (3)

Management

MGMT 300 Operations Management

Survey of problems, principles, and methods of analysis related to production and operations management of industrial and service organizations. Forecasting; capacity planning; facilities location and layout; inventory analysis; scheduling; simulation; and quality assurance. Prereq: Act 102, Math 116, and Econ 234. (3)

MGMT 302 Topics in Operations Management

Focus on a specific topic or area in operations management. Topics based on faculty/student interest may include operations management in the services, quality management, production planning and control, business logistics management, or simulation. Prereq: Mgmt 300. (3)

MGMT 332 Management Science

Development and application of quantitative models to assist in managerial decisions. Topics include resource allocation, waiting lines, scheduling, and transportation. Optimization and heuristic models. Prereq: Mgmt 300. (3)

MGMT 333 Business Ethics

See Phil 333. (3)

MGMT 345 Business Forecasting

Survey of methods of business forecasting useful for planning and decision making by management. Emphasis on computer and statistical models of forecasting; current forecasting tools and practices. Prereq: Mgmt 300 and Econ 234. (3)

MGMT 358 Behavioral Science and Organization Theory

Analysis of historical, social, and psychological factors associated with various organizational structures; emphasis on human consequences of various organizational arrangements and techniques and programs by which they can be modified or designed. Also available through External Studies Program in print-based format; available over the Internet through RU Online in spring 2002. (3)

MGMT 390 Advanced Topics in Management

Cycled coverage of purchasing administration management, management of administrative services, entrepreneurship, and public affairs management. (3)

MGMT 395 Independent Study in Management

Students work under direction of Management Department faculty member on projects selected by student and approved by supervising faculty member, department chairperson, and college dean. (1-3)

MGMT 398 Organizational Development

How to implement changes in a company's human systems; how to diagnose organizational problems involving employees, work groups, and corporate culture and structure. The major solutions to these problems and how to select and implement the solutions. Also available through External Studies Program. Prereq: Mgmt 358. (3)

Marketing

MKTG 302 Marketing Management

Character and importance of marketing process and its essential functions, activities and concepts: factors needed to understand how goods and services flow from producer to consumer/user. Emphasis on economic, sociological, and psychological factors affecting managerial decision making in dynamic environment of marketplace. Prereq: Econ 102. (3)

MKTG 310 Retail Merchandising and Control

Activities of individuals or organizations that market products primarily to end consumers: purchasing goods and services for sale, storing, displaying, pricing, advertising, and servicing. Control activities: credit, accounting, materials management, personnel, and insurance. Prereq: Mktg 302. (3)

MKTG 324 Selling and Sales Management

Role of personal selling and sales force management in marketing strategy: sales process, sales techniques, sales force organization, recruiting, training, motivation, supervision, and sales force performance assessment. Prereq: Mktg 302. (3)

MKTG 331 Principles of Advertising

Part played by advertising in our economy. Elements of industry: copy, layout, production, research, and media buying. Discussion of newspapers, magazines, direct response, outdoor, radio, television, and point of purchase. Prereq: Mktg 302. (3)

MKTG 340 Marketing Research

Role of marketing research in contemporary marketing. Identification of major secondary sources of marketing information. Detailed examination of research process from study design through data analysis. Qualitative and quantitative techniques. Prereq: Mktg 302 and Econ 234. (3)

MKTG 344 Marketing Strategy and Planning

Relationships between strategic management and strategic marketing. Detailed examination of marketing planning process: analysis, setting objectives, evaluation of strategies and tactics, implementation, and control of marketing plans. Prereq: Mktg 302. (3)

MKTG 350 Marketing for New Ventures

Applied course in entrepreneurship. Completion of a business plan for a new business venture. Selection and evaluation of a specific business concept. Research into industry trends, competition, the target market, and marketing strategies. The final business plan is presented in both a written document and an oral presentation. Prereq: Mktg 302, Mktg 340 and Fin 311. (3)

MKTG 362 International Marketing Strategies

Case studies of best strategies for dealing with various foreign markets. Recognition of social and cultural differences as essential elements in developing effective ways to market products abroad. Students develop and evaluate market plans. Modern marketing in age of free trade imperatives. Prereq: Mktg 302. (3)

MKTG 386 Consumer Behavior

Relevant behavioral science concepts for analysis of consumer behavior and informed marketing decisions. Prereq: Mktg 302. (3)

MKTG 395 Independent Study in Marketing

Students work under direction of Marketing Department faculty member on projects selected by student

and approved by supervising faculty member, department chairperson, and college dean. (1-3)

Mathematics

All prerequisites must be passed with a grade of C or higher. Courses taken as pass/fail will be given a pass only for work at or above the C level.

MATH 099 Introduction to Algebra

A review of arithmetic of rational numbers and an introduction to algebra, including polynomial expressions, solution of linear equations in one variable, and applied problems. Prereq: Roosevelt Assessment Test. (3)

MATH 100 Intermediate Algebra

Algebraic expressions, exponents, polynomials and factoring; coordinate systems and graphing; linear and quadratic equations, simultaneous linear equations. Prereq: Math 099 or one year of high school algebra and Roosevelt Assessment Test. (3)

MATH 105 Mathematics for Elementary School Teachers

Sets, counting, problem solving, and development of number system. Rationals, decimals, and irrationals. Number theory. Algorithms of arithmetic. Geometry. Prereq: Math 100 or two and one-half years of high school algebra and/or geometry, and Roosevelt Assessment Test. (3)

MATH 110 Introduction to Contemporary Mathematics

Elementary applications of mathematics to real world problems. Three or four mathematical topics from the following: graph theory; linear programming; probability and statistics; geometry; coding; social choice systems; and game theory. Prereq: Math 100 or two and one-half years of high school algebra and/or geometry, and Roosevelt Assessment Test. (3)

MATH 116 Finite Mathematics

Functions and graphs. Systems of linear equations and matrices. Sets, combinatorial methods, probability with applications. Prereq: Math 100 or two and one-half years of high school algebra and/or geometry, and Roosevelt Assessment Test. (3)

MATH 121 College Algebra

Algebraic operations, equations and inequalities, graphs and functions, polynomial functions, polynomial equations. Prereq: Math 100 or two and one-half years of high school algebra and/or geometry, and Roosevelt Assessment Test. (3)

MATH 122 Precalculus

Trigonometric functions and their properties; trigonometric identities and applications. Systems of equations, matrices, and determinants. Conic sections, exponential and logarithmic functions. Prereq: Math 121 or placement test. (3)

MATH 202 Mathematical Analysis for Business and the Social Sciences

Functions and their graphs. Exponential and logarithmic functions; derivatives; techniques of differentiation; applications of derivative to business, economics, and finance (marginal cost and revenue and elasticity); learning curve and population growth; optimization. Integration with applications. Prereq: Math 116 or Math 121. (3)

MATH 217 Introduction to Probability and Statistics

Elementary probability and probability distributions, random variables, expectation and variance; binomial and normal probability distributions. Applications to estimation, confidence intervals, statistical testing of hypotheses, two-sample techniques. Correlation and least squares. Prereq: Math 116 or 121. (3)

MATH 231 Calculus I

Functions, limits, continuity, and rates of change are studied numerically, symbolically, and graphically. Definition and rules of differentiation; applications of the derivative to analyzing functions, solving equations, and computing extrema; introduction to integration and the fundamental theorem of calculus. Prereq: Math 121 and Math 122 or placement test. (4)

MATH 232 Calculus II

Numerical integration, applications of integrals, and methods of integration; differential equations, Euler's method, logarithmic and exponential functions, Taylor polynomials, L'Hopital's rule, sequences, and series. Prereq: Math 231. (4)

MATH 233 Calculus III

Polar and three-dimensional coordinates, vectors, planes, and surfaces; functions of several variables; continuity, partial derivatives, chain rules, maximum problems, multiple integrals. Prereq: Math 232. (4)

MATH 238 Applied Statistical Methods

Second course in statistics; comparison of normal means, simple and multiple regression, correlation, contingency tables and Chi-square tests, analysis of variance, and nonparametric methods. Prereq: Math 217 or Math 343 or Econ 234 or Psych 200. (3)

MATH 245 Discrete Structures

Sets, logic and Boolean algebras. Basic counting techniques; number systems; elementary probability; graphs and trees with applications to elementary data structures. Emphasis on algorithms. Prereq: Math 121; and one programming course or concurrent. (3)

MATH 269 Theory of Interest

Mathematics of interest, accumulated value and present value, annuities certain; amortization schedules, and sinking funds; bonds and related securities. Prereq: Math 231. (3)

MATH 280 Mathematical Modeling

The modeling process. Model fitting and models requiring optimization; empirical model construction; model analysis and sensitivity; simulation modeling; modeling dynamic behavior. Prereq: Math 231 or Math 202. (3)

MATH 295 Independent Study

Prereq: consent of instructor. (1-3)

MATH 300 Linear Algebra

Vector spaces; linear transformations and matrices; inner products and orthogonality; eigenvalues; eigenvectors; and diagonalization. Prereq: Math 231 or Math 245. (3)

MATH 307 Differential Equations and Modeling

The use and interpretation of differential equations using modern technology. First and second order linear equations, with attention to some nonlinear ones;

systems of equations; numerical methods. Prereq: Math 232. (3)

MATH 316 History of Mathematics

How various ideas in mathematics were introduced and developed over the centuries. Readings and essays on various topics; discussions of relevant mathematical methods. Prereq: Math 231. (3)

MATH 317 Geometry

Comparative study of modern postulates, invariants, and implications of Euclidean, projective, and non-Euclidean geometries. Prereq: Math 231 or Math 245. (3)

MATH 318 Number Theory

Study of integers. Division and Euclidean algorithms, prime numbers, unique factorization; Diophantine equations; congruences; Fermat's and Euler's theorems; quadratic reciprocity. Prereq: Math 231 or Math 245. (3)

MATH 320 Introduction to Modern Algebra

Elementary properties of groups, rings, integral domains, and fields; symmetry; factorization of integers and polynomials; construction of quotient field of an integral domain. Prereq: Math 300. (3)

MATH 328 Linear Programming and Optimization

Models of optimization with linear constraints and objectives; simplex method and related algorithms; duality and sensitivity; transportation and assignment problems, games, and network flows. Computer use course. See Cst 328. Prereq: Math 300 and one programming course. (3)

MATH 330 Numerical Analysis

Solution of equations by iteration; interpolation; numerical differentiation and integration; numerical solutions to linear systems. Computer use course. See Cst 330. Prereq: Math 232, Math 300, and one programming course. (3)

MATH 332 Operations Research

Stochastic methods in operations research. Queueing theory; Markov processes; decision analysis; simulation; stochastic dynamic programming. Computer use course. Prereq: Math 231 and Math 217 or Math 341. (3)

MATH 341 Probability I: Discrete Distributions

Probability models; discrete random variables; discrete distributions; moment generating functions of discrete random variables; simulation; Poisson processes; and queueing theory. Prereq: Math 231. (3)

MATH 342 Probability II: Continuous Distributions

Continuous random variables; continuous distributions; moment generating functions of continuous random variables; multivariate distributions; and applications. Prereq: Math 233 or concurrently and Math 341. (3)

MATH 343 Statistical Theory and Methodology

Sampling distributions and the Central Limit Theorem; point estimators and confidence intervals; hypothesis testing; and elements of analysis of variance and regression theory. Prereq: Math 342. (3)

MATH 345 Combinatorics

Permutations and combinations; identities involving binomial coefficients; inclusion-exclusion principle; recurrence relations; generating functions; introduction to theory of graphs. See Cst 345. Prereq: Math 232 and Math 245. (3)

MATH 349 Regression and Time Series

Simple and multiple linear regression models; time series analysis; applications to forecasting. Use of a statistical computer package; no previous experience with computers is required. Prereq: Math 231 and Math 238, or Math 343. (3)

MATH 350 Boolean Algebra and Switching Theory

Logic gates and Boolean algebras. Minimization of switching functions, and Karnaugh maps. Introduction to logic circuits, flip-flops, counters and registers. Digital arithmetic. See Cst 350. Prereq: Cst 250, Math 245, and Math 231. (3)

MATH 352 Analysis

Introduction to proving theorems in analysis. Properties of the real numbers; induction; limits of

sequences; continuity; derivative; Riemann integral. Math 300 recommended. Prereq: Math 233 and Math 245. (3)

MATH 355 Introduction to Analytic Functions

Elementary functions of complex variables; complex differentiation and integration; Cauchy-Goursat theorem; Taylor and Laurent series; singularities and residues; conformal mapping. Prereq: Math 352. (3)

MATH 357: ANOVA and Experimental Design

One-way analysis of variance (ANOVA); multiple comparison methods; basic experimental designs; analysis of covariance (ANCOVA); factorial treatment structures; split plots; confounding and fractional replication in 2^m factorial systems. Prereq: Math 217 or Math 342 or Econ 234 or Psyc 307. (3)

MATH 358 Theory of Integration

Lebesgue integral and its relation to Riemann integral; convergence theorems; elements of measure theory. Prereq: Math 300 and Math 352. (3)

MATH 369 Actuarial Mathematics I

Survival distributions and life tables; life insurance; life annuities. Prereq: Math 269 or concurrent, Math 342. (3)

MATH 370 Actuarial Mathematics II

Benefit premiums; benefit reserves; multiple life functions; multiple decrement models. Prereq: Math 369. (3)

MATH 377 Survival Models

Survival data, survival functions, hazard functions, life tables, comparing two groups of survival data, parametric models of survival data, and sample size for survival studies. Prereq: Acsc/Math 343 or concurrent. (3)

MATH 378 Topics in Actuarial Mathematics

Selected topics in actuarial models and actuarial modeling. May be repeated for up to six semester hours of credit. Prereq: varies; specific prerequisites will be listed in course schedule. (3)

MATH 388 Special Topics in Statistics

Course content varies. May be repeated for up to six semester hours credit. Prereq: varies; specific prerequisites will be listed in the course schedule. (3)

MATH 389 Special Topics

Course content varies. May be repeated for up to six semester hours credit. Prereq: varies; specific prerequisites will be listed in course schedule. (3)

MATH 395 Independent Study

Prereq: consent of instructor. (3)

Music Business

MBUS 201 Introduction to Music Business

Overview of business-related aspects for the music career. Unions, contracts, copyrights, marketing, commercial music production, the recording industry. (2)

Music Education

ME 149 Seminar in Public School Music

Duties and obligations of the classroom teacher; demands of the career. First foundations for the formation of the student's personal teaching philosophy. Limited classroom visitation; provides 10 hours of clinical experience. (1)

ME 152 Brass Methods

Intensive group study of basic playing techniques for trumpet, trombone, and French horn. Pedagogical approaches to the teaching of brass instruments to children. Instrument care and repair. Requires participation in Ens 130 in the subsequent semester. (1)

ME 153 Woodwind Methods

Intensive group study of basic playing techniques for flute, clarinet, and saxophone. Pedagogical approaches to the teaching of woodwind instruments to children. Instrument care and repair. Requires participation in Ens 130 in the subsequent semester. (1)

ME 154 String Methods

Intensive group study of basic playing techniques for violin, viola, cello, and bass. Pedagogical approaches to the teaching of string instruments to children. Instrument care and repair. Requires participation in Ens 131 in the subsequent semester. (1)

ME 155 Percussion Methods

Intensive group study of the family of percussion instruments, with emphasis on teaching proper approaches, hand positions, grips, etc. to children. Instrument care and repair. (1)

ME 156 Beginning Guitar

Intensive group study of guitar as accompaniment for folk and traditional songs. Chords, accompaniment patterns, reading melodies in first position. Emphasis on literature appropriate for elementary and secondary schools; pedagogical approaches to guitar technique and hand position. (1)

ME 157 Folk Instruments

Introduction to recorder, baritone ukulele, drums, and selected ethnic instruments. Prereq: Me 156 or equivalent. (2)

ME 240 Elements of Conducting

Development of manual skills, including left hand independence. Introduction to score reading and analysis. Concurrent enrollment in major University ensemble required. Prereq: Mutc 122. (2)

ME 241 Choral Conducting I

Continued development of conducting technique with emphasis on choral applications. Breath cues and releases; developing healthy choral tone; rehearsal strategies. Focus on music of the Renaissance, Baroque, and Classical eras, especially works suitable for inexperienced choral singers, together with appropriate performance practices. Concurrent enrollment in a University choral ensemble required. Prereq: Me 240 or consent of instructor. (3)

ME 242 Instrumental Conducting I

Continued development of fundamentals of score reading and conducting patterns and gestures for chamber music, orchestra, and band scores. Development of a

functional understanding of transposition. Enrollment in University orchestra or wind ensemble required. Prereq: Me 240 or equivalent. (2)

ME 249 Introduction to Student Teaching

Philosophical, psychological, and pedagogical foundations of music education in the United States. Current issues in music teaching. Foundations for development of effective teaching and classroom management techniques, as well as a personal philosophy of education. Includes minimum of 30 clock hours field experience. Prereq: Applied Music 201, Mutc 122, Me 149, Eng 102, Psyc 103, Psyc 103 may be concurrent. (3)

ME 310 Student Teaching and Seminar in Music

Culmination of teacher education sequence; open only to regular Upper Division music education students. Weekly seminar for discussion and analysis of problems. Observation and teaching in Chicago-area schools (seven and one-half weeks each at the elementary and secondary levels), working under professional supervision in programs directly related to student's specific concentration. Presence during entire school day (8:00 am to 3:30 pm in most schools) required; no other University classes may be scheduled before 4:00 pm. Students must have completed minimum of 10 sem hrs in music education courses at Roosevelt. Prereq: Me 350 and Me 351; Me 331 or 335; and departmental approval. (5-12)

ME 311 Choral Conducting Practicum I

Classroom management, group control, and motivation for choral directors; selection of appropriate literature. Concert, festival and musical theatre production preparation; assessment and grading of students; time management in the rehearsal; selection and preparation of contest material. Prereq: Me 241 or consent of instructor. (2)

ME 312 Choral Conducting Practicum II

Continuation of Me 311. Prereq: Me 311 or consent of instructor. (2)

ME 331 Choral Conducting II

Continuation of Me 241. Conducting from the keyboard; care and development of changing voices; program planning. Focus on music of the 19th and 20th centuries, especially repertoire suitable for young singers; appropriate performance practices. Concurrent

enrollment in a University choral ensemble required.

Prereq: Me 241 and 249. (3)

ME 335 Instrumental Laboratory I

Organization and management of school instrumental groups. Emphasis on recruitment and promotion; scheduling; selection, purchase, and storage of instruments and equipment; library systems; fundraising and budget development; publicity and public relations. Prereq: Me 242, Mutc 222. (1)

ME 336 Advanced Instrumental Conducting

Extension of skills in rehearsing and conducting a large ensemble. Time management and score preparation. Prereq: Me 242, Mutc 222. (2)

ME 337 Marching Band Show Design and Management

Identification of major marching show design systems and their relative strengths and advantages; design of shows and charting of individual moves; selection of appropriate literature; design of lesson plans for individual marching sessions. Prereq: Me 242, Me 249, Mutc 222. (2)

ME 350 Backgrounds for Teaching Music in the Elementary School

Objectives, methods, and techniques for teaching music in grades K-5; application of principles of child development to teaching process. Emphasis on contemporary approaches to music education: Comprehensive Musicianship Program (CMP), Manhattanville Music Curriculum Project (MMCP), Orff, Kodaly, Dalcroze, and individualized instruction. Demonstrated understanding of readings, evaluation and selection of appropriate music and materials, lesson planning ability, and teaching competencies required. Includes 30 clock hours of field experience. Prereq: Me 240, Me 249, Educ 270 or 215; Mutc 222, and admission to Music Education Department. (3)

ME 351 Backgrounds for Teaching Music in the Secondary School

Application of principles of adolescent and educational psychology to teaching of music. Emphasis on developing attitudes, knowledge, and skills necessary for secondary school teaching. Role of music in modern school curriculum; problems of guidance and evaluation of teenagers in music program. Readings, analysis of materials, demonstration lessons, group

projects, and observations. Includes 30 clock hours of field experience. Prereq: Me 240, Me 249; Educ 215 or 270; Mutc 222; and admission to Music Education Department. (3)

ME 381 Teaching Music in Special Education

Preparation for musical instruction of students with handicapping conditions. Overview of current legislation governing special education. Establishment of reasonable goals and strategies for special needs students. Assimilation of special needs/mainstreamed children into the classroom. Prereq: Me 249, Mutc 222. (3)

ME 395 Independent Study

Individual research under departmental guidance. (1-3)

Music: Ensemble

Large and small ensembles rehearse weekly and are featured in public performance at least once per semester. See also Musical Organizations and Activities for attendance and enrollment requirements.

ENS 130 Laboratory Band

Students playing secondary instruments as a teaching lab for music education majors. Meets one hour per week. (1)

ENS 131 Laboratory String Orchestra

Students playing secondary instruments as a teaching lab for music education majors. Meets one hour per week. (1)

ENS 205 Chorus

Forty to fifty voices (SATB), wide range of choral repertoire. Open to students, faculty, staff, and community members by audition. Meets three hours per week. Prereq: Perf 101 or audition. (1)

ENS 210 Chamber Singers

Twelve to sixteen voices (SATB), a cappella and accompanied repertoire. Meets three hours per week. Prereq: audition. (1)

ENS 225 University Orchestra

Standard orchestral repertory from Baroque to 20th century. Meets six hours per week. Prereq: audition. (1)

ENS 235 Large Jazz Ensemble

Nine to seventeen players, including a complete rhythm section. Music of all jazz styles from 1920s to present. Meets three hours per week. Prereq: audition. (1)

ENS 236 Small Jazz Ensemble

Five to eight players including complete rhythm section. Meets two hours per week. Prereq: audition. (1)

ENS 237 Vocal Jazz Ensemble

Eight to sixteen singers. Survey of jazz and other popular music styles. Meets three hours per week. Prereq: audition. (1)

ENS 238 Wind Ensemble

Standard wind literature for groups of 12 and above. Meets four hours per week. Prereq: audition. (1)

ENS 245 Accompanying

Collaborative performance skills for pianists. Meets two hours per week. Prereq: piano major status and departmental approval. (1)

ENS 250 Piano Ensemble

Literature for two pianos and piano duet. Meets two hours per week. Prereq: piano major status and departmental approval. (1)

ENS 260 Brass Ensemble

Study of representative literature. Meets two hours per week. Prereq: departmental approval. (1)

ENS 265 Woodwind Ensemble

Study of representative literature. Meets two hours per week. Prereq: departmental approval. (1)

ENS 270 Percussion Ensemble

Study of representative literature. Meets two hours per week. Prereq: departmental approval. (1)

ENS 275 Classical Guitar Ensemble

Sight reading; literature for guitar duos, trios, and quartets; duos for voice/guitar, flute/guitar, etc. Meets two hours per week. Prereq: departmental approval. (1)

ENS 276 Electric Guitar Ensemble

Nine to seventeen players. Survey of all styles of guitar playing in an ensemble setting; emphasis on reading techniques. Meets two hours per week. Prereq: departmental approval. (1)

ENS 280 Chamber Music

String, piano and varied instruments; study and performance of representative literature. Meets three hours per week. Prereq: departmental approval. (1)

ENS 285 Collegium Musicum

Pre-classical repertoire; open to vocalists and instrumentalists. Meets two hours per week. Prereq: audition. (1)

ENS 288 New Music Ensemble

Study and performance of contemporary chamber music, written and/or improvised. Meets two hours per week. Prereq: audition. (1)

Music: History and Literature

The Conservatory recommends that the four-semester sequence in music history be taken as follows: sophomore year Muhl 251 and 252; junior year, Muhl 253 and 254. However, 252 may be taken before 251.

MUHL 200 The Enjoyment of Music

Elements and principles of music necessary for critical listening and appreciation. Survey of chief developments in music history, works of master composers, folk music, and trends in contemporary music. Readings and extensive listening both in concert and on recordings. No credit toward BM or BA in Music degrees. (3)

MUHL 251 The History of Western Music I

European music before 1750. The Middle Ages: Gre-

gorian chant; secular monophonic song; the rise and development of Medieval polyphony. The Renaissance: the development of sacred and secular polyphony by Franco-Flemish composers; the spread of Renaissance polyphony, especially to Italy and England; the rise of instrumental music. The Baroque: the origins of Baroque style and the birth of opera in Italy; vocal and instrumental music in Italy, Germany, France and England. Prereq: Mutc 122. (3)

MUHL 252 The History of Western Music II

The history of European music from 1750 to 1900. The Classical Era: instrumental music (the concerto, symphony, sonata, and string quartet) and vocal music (opera and oratorio); the emergence of Classical forms and their culmination in the Viennese school. The Romantic Era: the development of the harmonic language of the 19th century; piano music; the art song; symphonic and chamber music; Romantic opera; Nationalism and its effect on music. Prereq: Mutc 122. (3)

MUHL 253 The History of Western Music III

European and American classical music of the 20th century. The expansion and dissolution of tonality. National styles in France, Austria, Russia and elsewhere. Non-Western influences on Western classical music. Introduction to world music studies. Trends in American classical music. The American musical theater. Recent experimental music. Prereq: Mutc 122, Muhl 252. (3)

MUHL 254 The Music of America

An introduction to the varieties of American music. Sacred music: colonial and federal New England; the rural south of the 19th century; 20th-century contributions. Popular songs of the 19th and 20th centuries. Instrumental music, including marches, dance music, and ragtime. Jazz and its African roots. Prereq: Mutc 122. (3)

MUHL 323 Introduction to Musicology

The techniques and resources of musicological research: examination of reference works, periodicals, editions of music, textbooks, and other musicological works; exploration of contemporary issues in musicology. A substantial research paper is required. Prereq: Muhl 251-253. (3)

MUHL 326 Studies in the Literature and Performance

of Early Music

Selected topics in music before 1750, in-depth exploration of selected repertoires, historically correct performance practices; aspects of early notation. Prereq: Muhl 251. (3)

MUHL 330 Keyboard Literature

Survey of literature for stringed keyboard instruments; emphasis on music for pianoforte, 1700 to present. Prereq: Mutc 222 and Muhl 251-253. (3)

MUHL 331 Special Topics in Vocal Literature

Survey and style analysis of solo song literature. Topic varies by semester; course may be repeated for credit. Prereq: Mutc 222 and Muhl 252. (2)

MUHL 334 Guitar Literature

The history and development of the guitar, lute, and vihuela, and the repertoire of each instrument, from the Renaissance to the present time. Cultural/historical background; performance practice; tuning and tablature; solo, chamber, and pedagogical literature and transcriptions. Prereq: Muhl 251. (3)

MUHL 337 Orchestral Literature I

Stylistic and structural survey of symphonies, concertos, suites, overtures, and other orchestral works from circa 1730 to 1900. Prereq: Mutc 222 and Muhl 252-253. (3)

MUHL 338 Orchestral Literature II

Stylistic and structural survey of symphonies, concertos, suites, overtures, ballet music, and other orchestral works from circa 1900 to the present, including electroacoustic and/or improvisatory compositions and chamber orchestra works. Prereq: Muhl 337. (3)

MUHL 340 Music of Today

An examination of current trends in late modern and post-modern music. Prereq: Mutc 222. (2)

MUHL 341 Organ Literature

Historical development of the organ and organ music through Baroque period. Survey and analysis of representative composers' works. Performance in class. Prereq: Mutc 221 and Muhl 251. (3)

MUHL 343 Special Topics in Chamber Music Literature

Survey and style analysis of chamber music literature since the Renaissance. Topic varies by semester; course may be repeated for credit. Prereq: Mutc 222, Muhl 252-253. (2)

MUHL 345 History of Opera

Development of opera from its inception to the present. Concentration on major works in each era. Prereq: Muhl 251-253. (3)

MUHL 366 World Music

Folk and traditional music. NonWestern classical music. Music in its cultural contexts: religion, society, history. Prereq: Mutc 222. (3)

MUHL 395 Independent Study

Individual research under departmental guidance. Requires consent of instructor. (1-3)

Music: Jazz Studies

JAZZ 201 Improvisation

Techniques and concepts for extemporized playing in jazz style. Prereq: Applied Music 201/271. (2)

JAZZ 202 Improvisation II

Continuation of 201 in private study. Prereq: 201. (2)

JAZZ 203 Improvisation III

Continuation of 202 in private study. Prereq: 202. (2)

JAZZ 210 Jazz Theory I

Jazz chord structures and related nomenclature; basic voicing concepts; chord/scale relationships; jazz chord progressions. Prereq: Mutc 122 and Applied Music 272. (2)

JAZZ 211 Essentials of Jazz I

Introduction to the originators and innovators of jazz style. Historical overview and in-depth style analysis. (2)

JAZZ 212 Essentials of Jazz II

Continuation of 211. Prereq: 211. (2)

JAZZ 215 Jazz Theory II

Continuation of Jazz 210 to include advanced harmonic structures, scale forms, and chord progressions, larger harmonic units and jazz forms; sources of chromaticism in jazz improvisation. Prereq: Jazz 210. (2)

JAZZ 220 Skills for Jazz Vocalists I

Introduction to singing in the commercial jazz idiom. Basic microphone technique and amplified vocal production; creation of lead sheets; transpositions and chord symbols; introduction to basic swing and ballad styles; survey of historically significant solo jazz vocalists. Prereq: consent of department. (2)

JAZZ 221 Skills for Jazz Vocalists II

Continuation of Jazz 220. Issues of vocal pedagogy; vocal hygiene; phrasing and lyric interpretation; the rhythm section; performance practices in live jazz and other contemporary styles; survey of historically significant vocal jazz ensembles. Prereq: Jazz 220. (2)

JAZZ 240 Conducting Jazz and Contemporary Music

Conducting techniques for instrumental and vocal jazz ensembles, including basic patterns and use of the left hand. Odd meters; the click track. Rehearsal techniques; programming; concert production. Prereq: Mutc 222. (2)

JAZZ 243 Jazz Piano Techniques I

Functional jazz keyboard techniques for non-pianists. Major and blues scales. Seventh chords, comping, improvisation, harmonic continuity, melody, and accompaniment. Standard song forms; blues. Prereq: Mutc 122. (2)

JAZZ 244 Jazz Piano Techniques II

Continuation of Jazz 243. Major and minor scale etudes, modes, chord voicing (seventh, ninth, and thirteenth chords), advanced comping. Self-teaching tools for improvisation and composition. Prereq: Jazz 243. (2)

JAZZ 301-304 Improvisation

Advanced intensive private study of improvisatory technique. Prereq: Jazz 203 or preceding course in sequence. (2)

JAZZ 305 Composition and Arranging I

Form, structure, melody, rhythm and harmony in jazz and other contemporary forms. Scoring techniques for standard jazz ensembles. Prereq: Jazz 215. (3)

JAZZ 306 Composition and Arranging II

Continuation of 305 to include development of individual style. Prereq: 305. (3)

JAZZ 311-314 Advanced Jazz Composition I-IV

Development of compositional techniques in jazz styles in private lesson. Emphasis on students' original work. Prereq: Jazz 215 or preceding course in sequence. (4)

JAZZ 320 Skills for Jazz Vocalists III

Continuation of Jazz 221. Pop/rock vocal production and performance values; stage presence and movement; vocal projection. Philosophy of programming sets and concerts. Survey of current significant solo jazz vocalists. Preparation and performance of half recital. Prereq: Jazz 221. (2)

JAZZ 321 Skills for Jazz Vocalists IV

Continuation of Jazz 320. Overview of "jingle" singing and studio vocal production techniques; sight-reading in the production studio. Vocal blend and enunciation. Demo tape content and editing. Prereq: Jazz 320. (2)

JAZZ 360 Jazz Pedagogy

Examination of available textbooks, methods and other training materials, and representative curricula; rehearsal techniques; conducting frames and related techniques; programming; concert production. Prereq: Applied Music 372. (2)

JAZZ 395 Independent Study

Individual research under departmental guidance. Prereq: consent of department. (1-3)

Music Pedagogy

MPE 321 Pedagogic Survey of Piano Literature I

Materials course focusing on beginning piano methods and elementary-level supplementary materials for children; emphasis on leveling and other pedagogical problems. Student in-class presentations. Must be taken concurrently with Mpe 361. Prereq: Mutc 222 and Pia 214. (2)

MPE 322 Pedagogic Survey of Piano Literature II

Continuation of Mpe 321: completion of elementary level materials. Introduction to intermediate level materials. Student in-class presentations. Must be taken concurrently with 362. Prereq: Mpe 321/361. (2)

MPE 359 Introduction to Vocal Pedagogy

Physical processes in voice production: stance and posture, respiration, phonation, resonance, and articulation. Psychological and acoustical considerations; diagnostic and corrective procedures; group and individual instruction in establishing basic techniques. Observation of demonstration lessons given by voice faculty. Prereq: Voi 312. (2)

MPE 361 Piano Pedagogy I

A theoretical and practical exploration of piano teaching at the elementary levels: models of musical learning, teaching techniques, lesson planning. Practicum consisting of weekly supervised teaching with children at elementary levels in private and group lessons and weekly observation of demonstration lessons. In-class performances and teaching demonstrations. Must be taken concurrently with 321. Prereq: Mutc 222 and Pia 214. (3)

MPE 362 Piano Pedagogy II

Continuation of 361: completion of topics on elementary level teaching. Introduction to intermediate level teaching: practice techniques, musical and physiological aspects of performance, time management at lessons. Continuation of practicum. Must be taken concurrently with Mpe 322. Prereq: Mpe 321/361. (3)

MPE 365 Guitar Pedagogy

Introduction to teaching classical guitar technique and musicianship. Topics include sitting and hand positions; principles of fingering; comparison of vari-

ous schools of technique; practice and memorization strategies; selecting appropriate repertoire; prevention of physical injuries. Survey of pedagogical materials. Prereq: Guit 312. (3)

Music: Performance

PERF 099 Performance Attendance

Attendance at theatre and music performances in the Chicago College of Performing Arts. Required of undergraduate music majors for six semesters. Grade p/f. (0)

PERF 101 Group Voice

Introduction to correct use of human voice in singing, with emphasis on physiology, proper breathing, articulation, phonation, enunciation, and beginner's voice literature. Prereq: Mutc 100 or consent of instructor. (2)

PERF 116 Vocal Training and Ensemble for Musical Theatre

Introduction to vocal technique and group performance in the musical theatre idiom. Open to musical theatre majors only. (1)

PERF 181 Sight Reading for Pianists

Development of sight-reading skills for solo and ensemble settings. Prereq: Pia 201. (1)

PERF 216 Opera Studio

Fall semester: outline of opera history; introduction to principles of acting and their relation to operatic performance; in-class theatrical improvisations; in-depth study of three different operas with improvisatory scenes. Spring semester: coaching and staging of operatic scenes and arias for beginning undergraduate students. Final project: in-class performance. Prereq: Elp 110 and consent of department. (1)

PERF 220 Vocal Diction: English and Italian

Development of proper English and Italian enunciation skills for singing. Use of International Phonetic Alphabet as a tool. (1)

PERF 225 Vocal Diction: German and French

Development of proper German and French enunciation skills for singing. Use of International Phonetic

Alphabet as a tool. Prereq: Perf 220 or consent of instructor. (1)

PERF 250 Gospel Choir

Styles, techniques, literature and historical development of gospel music performance practices. Culminates in a public performance. Open to nonmusic majors. (3)

PERF 251 Performance Practice for Singers: Baroque Vocal Literature

A survey through performance and discussion of the evolution of the solo vocal repertoire from 1600 to 1750 in Italy, Germany, France and England. Prereq: Voi 214. (1)

PERF 252 Performance Practice for Singers: Classic Era Vocal Literature and the Bel Canto Tradition

Meaning and origins of tradition, style, ornamentation, and use of language in 18th- and 19th-century song and opera. Prereq: Voi 214. (1)

PERF 253 Performance Practice for Singers: The Romantic Tradition

A survey through performance and discussion of the origins and development of the German lied and the French Melodie, their poetry and interpretation; attention to diction using the International Phonetic Alphabet. Prereq: Voi 214. (1)

PERF 254 Performance Practice for Singers: Song in the 20th Century

Recent developments in the art song through a survey of the solo vocal literature of the United States, England, France, Germany, Austria, Italy and Spain. Prereq: Voi 214. (1)

PERF 281 Vocal Coaching

Individual work on selected advanced literature in opera, art song, or oratorio for advanced undergraduate voice majors. Weekly presentation within master class setting. May be repeated for credit. Prereq: audition. (2)

PERF 287 Basso Continuo I

Art of accompanying from figured bass, with study and practice of different periods from early Italian opera to late 18th-century instrumental music. Prereq:

Harpsichord or Organ 214. (2)

PERF 288 Basso Continuo II

Continuation of Perf 287. Prereq: Perf 287. (2)

PERF 301 Study and Performance of Orchestral Repertoire

Intensive study of orchestral excerpts with emphasis on preparation for professional auditions and principles of orchestral and chamber ensemble performance. For string, wind, and percussion majors. Jury examination required. Prereq: junior standing and Major Instrument 214. (2)

PERF 302, 303, 304 Study and Performance of Orchestral Repertoire

Intensive study of orchestral excerpts with emphasis on preparation for professional auditions and principles of orchestral and chamber ensemble performance. For string, wind, and percussion majors. Jury examination required. Prereq: junior standing and Major Instrument 214. (2)

PERF 306 Score Reading

Performance at the piano of open vocal and instrumental scores of graded difficulty, selected from various styles and periods. Prereq: Mutc 222, and Piano 202. (1)

PERF 310 Orchestral Seminar

Preparation for a career as an orchestral musician. Issues may include ethics of professional life; organizational governance and committee structures; contracts; self-promotion and professional management; physical and psychological aspects of injury prevention; commercial music opportunities; principles of orchestral and chamber music performance. Prereq: Applied Instrument 214 or graduate standing. (1)

PERF 316 Opera Theater

Formal operatic character study and audition workshop for advanced undergraduate and graduate students. Coaching and staging of scenes and arias or complete works, culminating in a public performance each semester. Prereq: Voi 214 or graduate standing and one year of Perf 216. (1-3)

PERF 381 Vocal Coaching

Individual work on selected advanced literature in opera, art song, or oratorio for graduate voice majors. Weekly presentation within master class setting. May be repeated for credit. Prereq: audition. (2)

Music: Theory and Composition

The musicianship core is a four-semester sequence of courses in which the basic vocabulary and structures of music are studied through aural and written analysis, sight-singing, composition, ear-training, and practice at the keyboard. Each semester is team-taught by members of the theory and keyboard departments in an integrated setting, where development in each area simultaneously reinforces and promotes development in the others. Examples and materials are drawn from a variety of tonal styles. All courses carry four or five semester hours credit, dependent upon the student's level of keyboard facility. Sections carrying four hours of credit meet six hours weekly and include keyboard skills; sections carrying five hours of credit meet eight hours weekly and include functional piano.

MUTC 100 Fundamentals of Music

Melody, rhythm, and metric notation. Writing, playing, and singing of intervals, scales, triads, and melodies. Development of basic musical terminology. Open to non-majors. Required of all students not sufficiently prepared for Musicianship I. No credit toward BM or BA in Music degrees. (3)

MUTC 121 Musicianship I

Analysis, harmonization, keyboard studies, and composition using the primary triads and the dominant seventh in all positions; basic principles of voice leading and counterpoint related to these chords; basic melodic organization; non-chord tones. Aural identification of intervals within the octave and basic triad types in all positions; melodic, harmonic and contrapuntal dictation derived from harmonic and melodic materials above. Prereq: Mutc 100 or placement. (4-5)

MUTC 122 Musicianship II

Analysis, harmonization, keyboard studies, and composition using secondary diatonic triads and all

diatonic sevenths; basic chromaticism (secondary dominant and diminished sonorities); modulation to closely-related keys. Aural identification of compound intervals and basic seventh chord types; melodic, harmonic and contrapuntal dictation derived from harmonic and melodic materials above. Prereq: Mutc 121 or placement. (4-5)

MUTC 221 Musicianship III

Analysis, harmonization, keyboard studies, and composition using chromatic harmony; basic principles of formal analysis; modulation to distant keys using chromatic and enharmonic processes. Melodic, harmonic, and contrapuntal dictation derived from harmonic and melodic materials above. Prereq: Mutc 122 or placement. (4-5)

MUTC 222 Musicianship IV

A survey of basic styles and materials of 20th-century music including the expanded scalar and harmonic resources of Impressionism, the advanced rhythmic and pandiatonic processes of Primitivism and Neo-Classicism, free atonal procedures of Expressionism, and serial procedures of the Second Viennese School. Emphasis on stylistic analysis and imitative composition. Melodic, rhythmic and contrapuntal dictation derived from materials above; nontonal techniques for sight singing. Related keyboard studies. Prereq: Mutc 221 or placement. (4-5)

MUTC 107 Guitar Harmony I

Fingerboard harmony, including intervals, chord inversions, and resolutions in all positions. Designed for guitar majors. Prereq: Mutc 122. (1)

MUTC 207 Guitar Harmony II

Continuation of Mutc 107. Special emphasis on harmonization of melodies, sight reading, and score reading. Prereq: Mutc 107 and 221. (1)

MUTC 171 Introduction to Electroacoustic Technology

Elementary principles of electronic sound reinforcement, recording and playback devices, desk-top computer music applications, MIDI and synthesizers. (1)

MUTC 211 Composition I

Elements of smaller forms of composition emphasizing

motivic transformation, rhythmic organization, and structural principles. Class performance of students' original works. Prereq: Mutc 100 or consent of instructor. (2)

MUTC 212-214 Composition II-IV

Private lessons and seminar. Continuation of Mutc 211. Emphasis on students' original works. Prereq: Mutc 211 or preceding course in sequence. (2-4)

MUTC 225 Composition Seminar

Required of all students registered for private composition lessons. Meets weekly; student, guest, and faculty presentations and discussions. (0)

MUTC 125 Musicianship for Musical Theatre

Development of aural and analytical skills related to the study and performance of standard musical theatre repertoire. Prereq: Mutc 100 or placement. (3)

MUTC 126 Keyboard Skills for Musical Theatre

Development of functional piano and accompanimental skills for study and performance of the standard musical theatre repertoire. Prereq: Mutc 100 or placement. (2)

MUTC 300 Baroque Counterpoint

Baroque contrapuntal forms and technique with emphasis on works of Bach. Analysis and written exercises. Traces influence and application of 18th-century contrapuntal practice to later musical styles. Prereq: Mutc 222. (3)

MUTC 301 Instrumentation/Orchestration

Study of orchestral instruments, their characteristics and technical capabilities. Analysis of traditional and contemporary orchestral and chamber music; orchestral techniques. Readings of students' orchestrations in class. Prereq: Mutc 222. (3)

MUTC 305 Form and Analysis

Forms, structures, and styles of selected works from 18th through the 20th century. Emphasis on the origins and evolution of organizational approaches. Introduction to Schenkerian analysis and other current trends in music theory. Prereq: Mutc 222; Eng 102. (3)

MUTC 307 Advanced Orchestration

Scoring for various ensembles; emphasis on larger groups. Study of representative contemporary scores. Prereq: Mutc 301. (2)

MUTC 308 16th-Century Vocal Polyphony

Study of contrapuntal practice based on the sacred music of Palestrina and other late 16th-century composers. Emphasis on practical exercises. Prereq: Mutc 222 and Muhl 251. (3)

MUTC 311-316 Composition V-IX

Private lessons and seminar. Emphasis on students' original work. Prereq: Mutc 212 or preceding course in sequence. (2-4)

MUTC 371 Electroacoustic Music I

Development of techniques in electroacoustic music composition and performance. Lab work required. Prereq: Mutc 171 or consent of instructor. (3)

MUTC 372-378 Electroacoustic Music II-VIII

Private lessons and seminar. Development of advanced techniques in electronic music composition/performance and programming. Lab work required. Prereq: Mutc 371 or preceding course in sequence. (2-4)

MUTC 380 Acoustics for Musicians

Introduction to physics of sound and tunings, acoustical properties of musical instruments and rooms, physiology of hearing, and psychophysics of sound. Prereq: Mutc 222. (3)

MUTC 395 Independent Study

Individual research under departmental guidance. Prereq: consent of department. (1-3)

Paralegal Studies

PARA 301 Ethics and Professionalism

Legal ethics with an emphasis on how the rules affect legal assistants. Regulation of the legal profession including the rules of conduct that govern legal assistants. Topics include the meaning and importance of the unauthorized practice of law; the attorney-client

privilege and its related work product doctrine; the doctrine of confidentiality; and the rules governing conflicts of interest. Law office management; conflicts of interest check system; law office calendar; billing procedures; fee arrangements; client trust accounts; filing systems; and documenting the file. Preparation of a new client file including retainer agreements; the preparation of fee agreements; and the preparation of a law office memorandum. (3)

PARA 302 Legal Research

Basics of legal research; research tools of the law library; proper citation to the various legal authorities. Working in the area of tort litigation, students learn how to read, analyze, and apply the law. Emphasis on legal reasoning; how to develop logical and practical legal arguments. Online research using both a computerized legal database and the Internet. Significant in-class time in the law library and in the computer lab with the instructor. (3)

PARA 303 Civil Law

Fundamentals of the law relating to civil practice. Torts, property, wills and trusts, domestic relations, intellectual property, and employment. Current legal events. Case briefs and other written exercises/analyses. (3)

PARA 304 Pre-Trial Litigation

The pre-trial litigation process in civil matters. Client and witness interviews; factual investigations; jurisdiction; legal research; how to evaluate the strengths and weaknesses of a case; litigation strategy. Administrative remedies and procedures. Methods and means to gather and preserve evidence for use at trial. How to summarize depositions, prepare and respond to written discovery, and review documentation. Federal and Illinois Rules of Civil Procedure and local court rules. (3)

PARA 305 Commercial Law

Fundamentals of laws relating to business; emphasis on the law of contracts and on the law of business organizations. Commerce clause; business ethics; bankruptcy law; the law of agency; and antitrust and securities law. Case briefs and other written exercises/analyses. (3)

PARA 306 Trial and Post-Trial Litigation

Law of Evidence; preparation of a case for trial; the

trial process; and the post-trial issues. "100 Days before Trial," the time when attorneys and paralegals organize the case and get it ready for presentation at trial. Final trial preparation including exhibits, subpoenaing and contacting witnesses, preparing witnesses for testimony, trial briefs, motions to exclude evidence (motions in limine), and jury instructions. How to differentiate what is and is not important or relevant in taking notes at trial. Post-trial procedures including motions and how to enforce a judgment. (3)

PARA 309A Real Estate

Overview of real estate and preparation for real estate practice. Residential and commercial real estate transactions and issues. Review of various estates in real property including freehold estates, easements, and licenses. Various methods of holding title to property; different types of transfer deeds (warranty, quit claim, and judicial. How to read surveys, plats, and subdivision maps. Students draft legal descriptions of property, prepare closing documentation, and learn how perform a title search. Emphasis on the practical study of real estate law and transactions. (3)

PARA 319A Intellectual Property

Substantive federal law regulating copyrights, trademarks, and patents and state law regulating trade secrets. Practical skill assignments including the registration of a copyright; preparation of agreements used to protect trade secrets; and the selection, evaluation and registration of a trademark. The history of intellectual property, its Constitutional basis in the US, and the common law. Current laws of intellectual property and practical processes of protecting intellectual property rights. (3)

PARA 325 Legal Writing

Grammar basics and the Uniform System of Citation. Written assignments ranging from simple case briefs and business letters to a complex research memorandum that integrates research, analysis, and writing skills. Students draft legal documents during class and as outside homework assignments. Significant feedback from the instructor. (3)

Performance

(see Music: Performance)

Philosophy

PHIL 201 Introduction to Philosophy

Basic philosophical questions in metaphysics, theory of knowledge, political theory, ethics, and philosophy of religion. Representative answers to be found in writings of classical and contemporary philosophers. (3)

PHIL 205 Introduction to Political Theory

Historical survey of evolution of political thought and ideology from ancient Greeks to present. Emphasis on vital contemporary issues, such as relation of theory to power in modern world. See Pos 202. (3)

PHIL 206 Philosophy in Literature

Philosophical problems found in selected novels, short stories, plays, poems, and essays. (3)

PHIL 209 Critical Thinking

Practical training in informal analysis and evaluation of arguments encountered in everyday events. (3)

PHIL 210 Logic

Deductive and inductive logic; analysis of propositions and arguments and fallacies of reasoning. (3)

PHIL 219 World Religions

A survey of the histories and beliefs of the major world religions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Satisfies nonWestern requirement. (3)

PHIL 220 Buddhism

The origins of Buddhism in Hinduism and their social impact in ancient India; the development of schools and the split between Theravada, Mahayana, and Vajrayana (Tibetan) Buddhism; modern Buddhist sects, their beliefs and practices. Satisfies nonWestern requirement. (3)

PHIL 221 Philosophy of Religion

Issues concerning faith, knowledge, human experience, God, and immortality. (3)

PHIL 230 Ethics

Classical ethical systems such as those of Plato, Aristotle, Hume, Kant, Mill, and Nietzsche. (3)

PHIL 255 History of Philosophy

A survey of major philosophers and philosophical movements from the ancient world through the 19th century. (3)

PHIL 310 Symbolic Logic

Contemporary mathematical logic. Calculus of propositions and classes; construction of deductive systems; nature of implication, proof, consistency, definition, and postulates. Prereq: Phil 210 or one advanced mathematics course or consent of instructor. (3)

PHIL 313 Philosophy of the Social Sciences

Methods of social sciences. Basic assumptions; logical procedures; ethical or normative standards; problem of value. Prereq: six sem hrs in social science or philosophy; Phil 210 recommended. (3)

PHIL 314 Philosophy of Science

Philosophy and methodology of physical and biological sciences; problems of scientific explanation, description, and prediction; nature of scientific laws and theories. Prereq: six sem hrs in natural science; Phil 210 recommended. (3)

PHIL 321 Contemporary Political Thought

Contemporary political philosophies and ideologies, including liberalism, conservatism, fascism, nationalism, existentialism, and Marxism. Prereq: Phil 205 or consent. (3)

PHIL 328 Philosophy of History

The special nature of historical thinking and historical knowledge; how historical knowledge differs from scientific knowledge; some of the seminal works in the philosophy of history, especially those of the 20th century. (3)

PHIL 329 Philosophy of Law

Philosophic issues and theories concerning law, judicial process, justice, liberty, responsibility, and punishment. Prereq: one course in philosophy and one course in

political science. (3)

PHIL 331 Technology and Human Values

Social and ethical implications of development and deployment of new technology; problems in contemporary environmental ethics. May be used to fulfill senior seminar. See also Libs 331. Prereq: senior standing and UWR. (3)

PHIL 333 Business Ethics

Relation of morality to business and professional practices; application of moral principles to cases in advertising, preferential hiring, worker safety, and environmental responsibility of corporations. See also Mgmt 333. Prereq: one course in philosophy or consent of instructor. (3)

PHIL 334 Biomedical Ethics

Ethical issues involving mandatory genetic screening, cloning, abortion, the rights of patients and health care providers, disclosure about experimentation, and the funding of health care and health care research. Prereq: one course in philosophy. (3)

PHIL 340 Social and Political Philosophy

Political philosophers such as Plato, Locke, and Marx or themes such as liberty, justice, and power. Prereq: one course in philosophy; Phil 205 recommended. (3)

PHIL 341 Philosophy of Feminism

Philosophical feminism from Plato to the present; focus on women and morality, women and knowledge; the ways in which philosophical thought has helped women find their own voices. (3)

PHIL 345 Philosophy of Art

The nature of art and aesthetic experience; the creative process; art criticism; morality and art. Prereq: one course in philosophy and one course in visual or performing arts. (3)

PHIL 360 Cosmology and Creation

The implication of scientific theories of the origin and structure of the universe for religious ideas of divine creation. Emphasis on the modern period, especially contemporary big bang theory. May be used to fulfill a senior seminar. See also Libs 360. Prereq: senior stand-

ing and UWR. (3)

PHIL 380 Studies in Modern and Contemporary Philosophy

Detailed analysis of major movement, problem, work, or future in modern or contemporary philosophy. Prereq: Phil 255 or consent of instructor. (3)

PHIL 395 Independent Study

Study of particular philosopher, movement, or problem. Prereq: consent of instructor. (3)

PHIL 399 Senior Research Project

A research project in the student's area of concentration done under the direction of the area advisor or another appropriate faculty member. Prereq: senior standing and consent. (3)

Physics

PHYS 201 Mechanics and Heat

Measurement and experimental error; kinematics and dynamics of a particle; energy, momentum, and their conservation; kinetic theory and heat. Lectures and laboratory. Prereq: Math 122. (5)

PHYS 202 Wave Motion, Optics, and Electromagnetism

Ray and wave optics; static and current electricity; electric and magnetic fields; electromagnetic radiation. Lectures and laboratory. Prereq: Phys 201. (5)

PHYS 231 Mechanics and Thermodynamics

Empirical analysis of experimental data; kinematics and dynamics of a particle; energy, linear momentum, angular momentum, and their conservation; gravitation; heat and introductory thermodynamics. Lectures and laboratory. Prereq: Math 231. (6)

PHYS 232 Waves, Light, and Electromagnetism

One- and two-dimensional waves; geometrical and physical optics; electric field and potential; steady state and transient DC circuits; magnetic field, Faraday's Law, electromagnetic waves. Lectures and laboratory. Prereq: Phys 231 and Math 232. (6)

PHYS 322 Optics

Lecture and experiments in geometrical and wave optics; lasers. Prereq: Phys 365 or 366 or concurrent. (3)

PHYS 365 Applied Analog Electronics

Implementation of solid state analog devices in electronic circuits, especially op-amps, and the analysis of such circuits. Lectures and laboratory. Prereq: Math 121. (3)

PHYS 366 Applied Digital Electronics

Implementation of TTL small- and medium-scale digital integrated circuits. Lectures and laboratory. Prereq: Math 245 or consent. (3)

PHYS 376 Tao of Physics

History and evolution of Western science. Assumptions of physics compared to the underlying thought processes in ancient Eastern philosophies about reality and the universe. Not for Divisional I credit; no previous coursework in physics required. (3)

PHYS 390 Topics in Advanced Physics

(1-3)

PHYS 395 Independent Study in Physics

Prereq: consent of instructor and School. (1-3)

Political Science

Courses with 100 or 200 numbers are open to undergraduates. Courses with 300 numbers may be taken by undergraduates and, in some cases, by graduate students. Graduate students should consult the graduate catalog to determine which 300-level courses carry graduate credit.

American Politics

Students enrolling in 300-level courses should have taken Pos 101.

POS 101 United States Politics

US national government and politics. Constitutional framework; relationship between politics and the economy; relationship between the states and the national government; political culture; participation

and representation. The processes and functions of governmental institutions and contemporary public policy problems. (3)

POS 241 Environmental Problems of Metropolitan Areas

Environmental problems of local communities. Topics include recycling; air and water pollution; siting locally unwanted environmental facilities; economics of environmental decision making; environmental issues that require coordination between local, state and federal agencies; environmental policy as it relates to metropolitan areas. See also Libs 241. Prereq: UWR. (3)

POS 245 City and Citizenship

History, political economy, and architecture of US cities in relation to historical and philosophical debates about citizenship and democracy. Specific urban processes and institutions as forces in their own right that make for broader sociopolitical stability and change. See also Libs 245. Prereq: UWR. (3)

POS 260 Ethnicity in North American Cities

A temporal and spatial survey of North American cultural borders. Interdisciplinary perspective on the meaning and experience of ethnicity and national identity in North American cities. Historical dimensions of cultural conflict and change; relationship of cultural interaction to distinctive political and literary traditions; how social structure, economic forces, political structures, and cultural ideals have influenced the development of a multicultural North America. Primary and secondary source material. See also Libs 260. Prereq: UWR. (3)

POS 301 Introduction to Public Administration

Overview of field and profession of public administration. Survey of social and historical environment of public agencies. See also Pbad 300. (3)

POS 312 The Politics of Lesbian and Gay Communities in the United States

Historical development and impact of the lesbian, gay, bisexual, transgender, and queer movement in the US from WWII to the present; issues, debates, and organizing that constitute the LGBTQ movement today; the place of sexuality and how it intersects with class, gender, and racial dynamics, in contemporary US culture and politics. Prereq: Pos 101. (3)

POS 340 The United States Presidency

Contemporary and historical perspectives on the presidency. Elements of presidential power; presidential selection; politics of the presidency; presidential personality; president and media; relations of president with courts, Congress, and bureaucracy. May be used to fulfill a senior seminar. See also Libs 340. Prereq: senior standing and UWR. (3)

POS 351 Politics of Chicago

Relation of City of Chicago, State of Illinois, forms of local government, party machines, judicial organization; interrelationships between Chicago politics and reform movements. Prereq: Pos 101. (3)

POS 353 Cyberpolitics

Impact of the Internet on politics in the US. How the Internet has affected the political players that dominated pre-Internet politics; where and how American citizens fit in the information age; the possibility of the US moving toward direct democracy. Students will also be introduced to "netactivism" and develop their own Internet sites to increase public awareness concerning an issue. Prereq: Pos 101. (3)

POS 359 Economics of Environmental Policy

Economic analysis as a tool for examining environmental policy. Alternative methods of addressing problems such as air pollution, acid rain, hazardous waste disposal, and water pollution. Current environmental regulations evaluated from an economic perspective. Prereq: Econ 102. (3)

POS 362 Urban Politics

Historical development of political economy of major cities; political institutions and participation; changing conceptions of urban crisis; contemporary issues, especially economic development; study of community power. Pos 245 recommended. Prereq: Pos 101. (3)

POS 363 Urban Policy

Policies and policy-making processes at all levels of government that shape quality of life in metropolitan areas; relationship between political and market processes; class, gender, racial, and regional consequences of different policies. Pos 245 recommended. Prereq: Pos 101. (3)

POS 365 Suburban Life and Politics

Survey of American suburbanization. Development of suburbs and the related decline of the nation's big cities from the 19th century to the present; the character of suburban life; role of government policies; racism and American values. Current suburban problems such as crime, traffic congestion, and sprawl. Students work together on profiles of local suburbs. See also Libs 365. Prereq: UWR. (3)

POS 366 Local Government Law

Legal issues relating to governmental structure, intergovernmental relations, governmental service provision, and citizen participation in government decision making. Prereq: Pos 101 or Pbad 300. (3)

POS 367 Social Movements

Central analytical problems in the study of social movements; dynamics and significance of social movements in contemporary US politics and society. Case studies. Prereq: Pos 101 or 203. (3)

POS 372 Issues in the Development and Administration of Public Policy

Interaction of policy making and implementation. Study of selected issues in public policy. Impact of politics on administration. Prereq: Pos 101. (3)

POS 374 Constitutional Law: Principles and Comparative Traditions

Law as an idea; Eastern and Western concepts of law; various natural law, positive law, civil law, and common law traditions. Prereq: Pos 101 or 203. (3)

POS 375 Constitutional Law: American Jurisprudence

Theoretical and historical foundations of American constitutionalism; creation, development, and evolution of the American judicial and legal tradition. Prereq: Pos 101. (3)

POS 376 Constitutional Law: Special Topics

Continuation of the major themes addressed in Pos 375. Topics may include freedom of expression, the right to privacy, federalism, state constitutions, or other related areas. Prereq: Pos 375. (3)

POS 377 Law and Judicial Process

Contemporary topics within the American judicial and legal system. Topics may include judicial politics, civil rights and liberties, legislation, and the court system. Prereq: Pos 101. (3)

POS 378 Environmental Law

Causes of and alternatives to pollution of the air, land and water. Selections from case law and conservation philosophers. Prereq: Pos 101. (3)

POS 384 Mexican-American Politics

Mexican-American political movements; the institutional structures within which they have had to work; political issues and ideologies of Mexican Americans in the US. Prereq: Pos 203. (3)

POS 385 Politics of African Americans

Contemporary political development of African Americans; emphasis on the period from 1967 to the present. Prereq: Pos 101. (3)

POS 386 Politics of Latino Americans

Special problems and potentials of Latino Americans in their interaction with US political system. Prereq: Pos 101. (3)

POS 391 AIDS: Science, Culture, Power

Basic biology and epidemiology; the social construction of HIV infection and AIDS; responses of government, the private sectors, and different communities; cultural politics; ethical issues. May be used to fulfill a senior seminar. See also Libs 391. Prereq: senior standing and UWR. (3)

Comparative Politics

Students enrolling in 300-level courses should have taken Pos 203.

POS 203 Introduction to Comparative Politics

Diverse governments and political systems; how to understand and compare them. Different methods of analysis considered in terms of developing and industrialized countries. (3)

POS 303 Democracy Around the World

Democracy from a theoretical perspective; the difficult process of transition to, and development and maintenance of, democracy from some other form of government. Focus on those nations of Eastern Europe, Asia, Africa, and Latin America that have most recently experienced democratization. Prereq: Pos 203. (3)

POS 306 Political Development and Developing Nations

Survey of modernization, development, and political, economic, and social change. Relation between domestic development and international factors using specific case studies. Prereq: Pos 203. (3)

POS 313 Western European Politics

Political traditions, institutions, and mass movements of major European powers, including Great Britain, France, and Germany. Development of the European community. Prereq: Pos 203. (3)

POS 315 Politics of Eastern Europe

Political systems of former Warsaw Pact nations, including Poland, Hungary, and the Balkan states. The transition from centralized to free market economies. Prereq: Pos 203. (3)

POS 316 Latin American Politics

How Latin America and the US evolved along different historical paths politically, socially, and culturally; how the Latin American pattern shapes and constrains Latin American governments in the present. Common issues in Latin American politics and how different countries have addressed these issues. Prereq: Pos 203. (3)

POS 317 Mexican Politics and Government

How Mexicans behave politically. The evolution of culture in Mexico. History, geography, values, ethnicity, religion, and internal and external relations of Mexico. How the social, political, and economic differences between the US and Mexico affect the relationship between these two neighboring countries. Prereq: Pos 203. (3)

POS 354 Middle East Conflict

Political institutions, ideologies, social structure, political elites, political culture, and process in Middle

East. Emphasis on current inter-Arab conflicts and Israel-Arab confrontation, including Palestinian issue. Prereq: Pos 203. (3)

POS 356 Elections Around the World

Growing usage of and radical changes in elections throughout the world. Electoral laws; campaign strategies and tactics; media communications; and voter turnout. Two-thirds of the course will be devoted to studying elections outside the US. Prereq: Pos 203. (3)

POS 360 Modern History and Politics of China

Traditional China; impact of West and its revolutionary consequences; Opium Wars; overthrow of Manchu Empire; Nationalist China; Chinese Communism; and Peoples Republic. Culture, social structure, and politics. Prereq: Pos 203. (3)

POS 361 Japan in the Modern World

Developments from commercial revolution of late 17th century to 20th century. Shaping of politics and knowledge that underlies modern transition of Japan. Prereq: Pos 203. (3)

POS 371 Modern and Contemporary Africa

The rise of nationalism; end of colonialism; rise of neo-colonialism; Cold War influences; managing the problems of independence. See also Afs 371 and Hist 371. Prereq: Hist 240. (3)

International Relations

Students enrolling in 300-level courses should have taken Pos 201.

POS 201 Introduction to International Relations

Major international problems of our day. Power; American foreign policy; problems in Third World. Principles underlying international relations and identification of reliable research resources. (3)

POS 302 Problems of United States Foreign Policy

Organization of US government for conduct of foreign policy. Case studies of military, economic, and political foreign affairs. Prereq: Pos 201. (3)

POS 304 Great Power Politics

Contemporary political relations between the world's leading powers; focus on the interplay between economic and security issues and the possibilities of cooperation. Prereq: Pos 201. (3)

POS 305 Imperialism

Development of capitalist world economy from 1815 to present. See Hist 305. Prereq: Hist 122 or consent of instructor. (3)

POS 310 Latin America in International Relations

Historical background, concepts and debates in the evolution of Latin American foreign relations, especially with the US. The importance of inter-American relations. Current efforts of Latin American countries to expand their economic ties with countries within and outside the region. Prereq: Pos 203. (3)

POS 311 Regional Diplomacy

Political dynamics of four regions of the globe; presentations by representatives of eight foreign consulates located in Chicago. Prereq: Pos 201. (3)

POS 325 Modern United States Diplomatic History

Emergence of the US from isolation and rise to position of influence and responsibility in international politics. Prereq: Pos 201. (3)

POS 346 Theories of World Politics

Competing explanations of the most important issues in world politics, the causes of war, and the prerequisites and limits of international cooperation. Prereq: Pos 201. (3)

POS 347 The History of the Vietnamese Wars

Roots of Vietnamese Revolution; struggle between French and Viet Minh; US-Vietnamese war; emphasis on international and domestic consequences. See also Hist 347. Prereq: Hist 107 or Pos 201. (3)

POS 357 Global Environmental Politics

The state of the natural environment and the status of international efforts to address common environmental problems. What the record of global environmental cooperation indicates regarding the prospects for

global governance. Prereq: Pos 201. (3)

POS 380 International Law: Human Rights

Theoretical and institutional basis for a modern understanding of human rights and liberties. The philosophical justifications for a concept of human rights and the idea and practice of international law as a whole. Prereq: Pos 202 and 203. (3)

POS 387 International Law: Organization

Rules and principles that guide relations among nations and between governments and foreign nationals. Formal arrangements transcending national boundaries that facilitate cooperation among member states in security, economic, social, or other spheres of common concern. Prereq: Pos 201. (3)

POS 388 War and Peace

Analysis of the continuing utility of military force in the contemporary international arena and alternative approaches to conflict resolution. Prereq: Pos 201. (3)

POS 389 International Political Economy

Analysis of political impact on international trade, finance, and natural resources; decline in US hegemony vis-a-vis other industrialized states; conflict between First and Third World economies. Prereq: Pos 201. (3)

Political Theory

Students enrolling in 300-level courses should have taken Pos 202.

POS 202 Introduction to Political Theory

Historical survey of evolution of political thought and ideology from ancient Greeks to present. Emphasis on vital contemporary issues, such as relation of theory to power in modern world. (3)

POS 321 Contemporary Political Thought

Writings of 20th-century political theorists on concepts central to the understanding of the activity of politics: authority, power, liberty, equality in rights, law, and government. Prereq: Pos 202. (3)

POS 322 American Political Thought

Political ideas of selected American thinkers at critical

moments in American history; relationships between their thoughts and the actions they supported. Prereq: Pos 202. (3)

POS 323 Philosophy of the Social Sciences

Methods of social sciences. Basic assumptions, logical procedures, ethical or normative standards, and problem of value. Prereq: six semester hours in social science or philosophy; Phil 210 recommended. Prereq: Pos 202. (3)

POS 324 Politics and Literature

Works of literature that explore significant political themes, such as alienation, revolutionary movements, utopias, and antiutopias and the development and expression of political, social, economic, religious, and philosophical ideas. Prereq: Pos 202. (3)

POS 329 Philosophy of Law

Philosophic issues and theories concerning law, judicial process, justice, liberty, responsibility, and punishment. Prereq: one course in philosophy and one course in political science. Prereq: Pos 202. (3)

POS 331 Marxism

Close reading of works of Marx, Engels, and Lenin to demonstrate integrated nature of Marxist theory. No prior knowledge of Marxism is required. Prereq: Pos 202. (3)

POS 338 Internships in Politics and Law

Students work in Chicago-area political and legal organizations. Required paper based on relevant readings and analysis of work experiences. Early consultation necessary to arrange appropriate placement. Prereq: Pos 101 and consent of instructor. (3)

POS 341 Gender, Law and Politics

Liberal and radical feminist ideas in the areas of politics and law are compared, contrasted, and applied to a critical exploration of modern society. Prereq: Pos 202. (3)

POS 352 Politics and Film

Fundamental principles of political communication through film. Movies, their themes, and the methods they employ to construct political reality. The artistic

and technical aspects of film; politics of the film industry. Prereq: Pos 202. (3)

Other Courses

POS 290 The Research Process

Major data-gathering techniques in the social sciences; questionnaires, interviews, participant observation, and the use of official statistics. Basic statistical procedures used to analyze and interpret data; use of computers. Heavy emphasis is placed on the proper preparation and writing of research reports. (3)

POS 345 Introduction to Econometrics

Construction of econometric models; statistical testing of economic hypotheses; estimation of parametric values in economic relationships using regression analysis. Computer applications. Prereq: Econ 234 and Econ 363 or consent of instructor. (3)

POS 349 Atomic Bomb in History and Culture

Effects of atomic and nuclear weapons on our world and our thinking. Scientific, literary, moral, sociological, and psychological dimension; political and strategic perspectives. Novels and films supplement scholarly treatments. May be used to fulfill a senior seminar. See also Libs 349. Prereq: senior standing and UWR. (3)

POS 390 Special Topics

Course content varies. May be repeated. Prereq: varies; specific prerequisites will be listed in Class Schedule. (3)

POS 395 Independent Study

Individual projects pursued under an instructor's supervision. Prereq: consent of instructor and Director of School of Public Policy. (3)

Legal Studies

Students wishing to concentrate in legal studies should consider electives from among the following courses.

Pos 329 Philosophy of Law

Pos 341 Gender, Law and Politics

Pos 374 Constitutional Law: Principles and Comparative Traditions

Pos 375 Constitutional Law: American Jurisprudence

Pos 377 Law and the Judicial Process

Pos 380 International Law: Human Rights

Pos 387 International Law: Organization

Psychology

All prerequisites must be completed before starting the course; they may not be taken concurrently. Course descriptions are suggestive of the course content but are not literal descriptions. Different instructors teaching the same course may emphasize different aspects of the subject.

PSYC 103 General Psychology

Introduction to the study of human behavior from a scientific perspective including relevant theory and research. (3)

PSYC 108 Human Sexuality

Sexuality from youth to old age, including the development of gender identity, sexual orientation, and sex roles. Review of the physiology and psychology of sexual arousal, adult sexual behavior in its many manifestations, and a brief introduction to sexual dysfunction. (3)

PSYC 200 Introductory Statistics

Quantitative methods for interpreting results of psychological research. Averages; variability concepts; correlation; reliability of basic statistical concepts, especially in relation to sampling problems. This course is a prerequisite to Psyc 270 and may not be taken concurrently. Prereq: basic knowledge of algebra. (3)

PSYC 201 Abnormal Psychology

Development, symptoms, and patterns of maladaptive behavior; introduction to neuroses and psychoses as deviations from normal behavior. Prereq: Psyc 103. (3)

PSYC 202 African-American Social Psychology

Behavior of African-American community. Socialization, identity, attitudes, values, norms. Prereq: Psyc 103. (3)

PSYC 203 Coping With Stress

Self-help course with required student participation. ABC relaxation and active coping techniques. Progressive muscle relaxation; autogenic training; breathing exercises; yoga stretching; imagery; meditation; making personal relaxation tapes. Active coping includes problem solving, making and building relationships, assertiveness, and managing anger and aggression. Not a substitute for psychotherapy or counseling; not a training course for health professionals. (3)

PSYC 205 Drugs and Human Behavior

Contemporary drug use in our society from behavioral, biological, and social perspectives; review of prevention and treatment approaches. Prereq: Psyc 103. (3)

PSYC 215 Educational Psychology

Cognitive development of students; alternative learning styles; the learner-teacher interaction in contemporary classrooms; measurement of academic progress; the adult learner; brief introduction to learning disabilities. Prereq: Psyc 103. (3)

PSYC 220 Social Psychology

Processes of human interaction. Social influences of family, membership groups, mass media, socioeconomic class. Selected forms of social reaction patterns—attitudes, language, crowd behavior, and common prejudices. Prereq: Psyc 103. (3)

PSYC 242 Animal Behavior

Evolutionary, developmental, and environmental bases of animal behavior. Emphasis on birds and mammals. Communication, decision making, motivation, learning, memory, social behavior, and mating system. See Biol 242. Prereq: Psyc 103 and one biology course. (3)

PSYC 254 Childhood and Adolescence

Psychological development of the child, prenatal to young adulthood. Theory and research of emotional, social, and mental growth. Self-concept from early childhood origins to late adolescence identity formation. Prereq: Psyc 103. (3)

PSYC 270 Tests and Measurements

Introduction to measurement theory and the statistical principles underlying the objective assessment of intelligence, personality traits, abilities, and attitudes; standardization, reliability, and validity; limitations and abuses of test scores in evaluation; review of commonly used psychological tests. Prereq: Psyc 103 and Psyc 200. (3)

PSYC 285 Research Methods

Introduction to the scientific methods used in psychological research, including measurement, descriptive studies and the case study method, correlational and experimental methods; technical report writing; development of critical thinking skills in appreciating published research. Prereq: Psyc 103. (3)

PSYC 307 Intermediate Statistics

Analysis of variance and factorial designs; bivariate and multiple correlation and regression; testing of hypotheses using other statistical tests, including nonparametric tests; introduction to computer applications in psychological research. Prereq: Psyc 200 or Psyc 285. (3)

PSYC 310 Biological Psychology

Physiological bases for behavior. Structure and function of human nervous system, sensation, motivation, and memory. Prereq: nine sem hrs in psychology. (3)

PSYC 312 Understanding Diversity

Theory and research concerning diversity. Effect of social categories on personality, cognition, emotions, interpersonal relations, and health. Critical insights into diversity issues. Prereq: nine sem hrs in psychology. (3)

PSYC 316 Learning

Research and theory on the acquisition, retention, and loss of acquired responses; memory and information processing. Prereq: nine sem hrs in psychology. (3)

PSYC 326 Cognitive Processes

Theory and research on cognitive processes and their interrelationships with other psychological functions, especially learning. Prereq: nine sem hrs in psychology. (3)

PSYC 336 Sensation and Perception

Fundamental processes of receiving and responding to stimuli in the environment through vision, hearing, touch, taste, and smell; coverage of abnormal development processes, trauma, and pathology. Prereq: nine sem hrs in psychology. (3)

PSYC 339 Adult Development

Development from post-adolescence through middle age. Biological, psychological, and cultural aspects; new life styles of young adults; changing work world; options for women and men at middle age. Prereq: nine sem hrs in psychology. (3)

PSYC 341 Psychology of Aging

Psychological dynamics from post-middle age until death. Research and theory of such experiences as retirement, physical disabilities, loss of loved ones, constriction of options, institutionalization, and confrontation of death. Nature, not treatment, of emotional disorders. Prereq: nine sem hrs in psychology. (3)

PSYC 342 Theories of Personality

Organized nature of personality from psychodynamic, humanistic/existential, behavioral, and cognitive points of view; biological and cultural determinants of personality; overview of personality research. Prereq: nine sem hrs in psychology. (3)

PSYC 343 Motivation

Experimental and clinical research and theory on nature of human motivation. Prereq: nine sem hrs in psychology. (3)

PSYC 344 Industrial/Organizational Psychology

Psychological principles and theories of organizations. Influence of organizational structure and management practices on individual and group work behavior; social interaction and conflict; spillover of these effects into nonwork environments. Prereq: nine sem hrs in psychology. (3)

PSYC 345 Psychology of Women

Psychological development of women viewed from social, cultural, and biological perspectives. Prereq: nine sem hrs in psychology. (3)

PSYC 346 Psychology of Pads, Frauds, and Fallacies

Comparison of science and pseudoscience; critical examination of claimed psychological phenomena, methods, systems, and movements that have emerged outside of traditional psychological science. Prereq: nine sem hrs in psychology. (3)

PSYC 347 Health Psychology

Relationship between psychology, health, stress, and illness. Influence of affective, cognitive, and social factors on risk, severity, and recovery from illness; impact of illness on psychological status; influence of psychological factors on health maintenance behaviors; psychological interventions; and the role of the psychologist in the health care team. Prereq: nine sem hrs in psychology. (3)

PSYC 351 Law and Psychology

The structures and conceptual systems of the legal/judicial system and of scientific psychology examined, contrasted, and ultimately integrated. How psychological information is specifically used in court proceedings; the interface of clinical and experimental psychology in larger-scale legal systems. Prereq: nine sem hrs in psychology. (3)

PSYC 373 ABC Relaxation Training

Professional training in progressive muscle relaxation, autogenic training, breathing exercises, yoga stretching, imagery, and meditation. Students learn to construct individualized relaxation tapes for practice clients and present professional relaxation workshops. Not a substitute for personal relaxation training, personal stress management, counseling, or psychotherapy. Prereq: nine sem hrs in psychology. (3)

PSYC 379 Advanced Relaxation Training

Proficiency tests for students seeking the Certificate in ABC Relaxation Training. Students demonstrate skills at relaxation training, scripting, tape making, and workshop presentation. Prereq: Psyc 373 or 374. (1)

PSYC 380 Integrative Seminar

An in-depth integration of undergraduate psychological studies emphasizing the major theoretical models and conceptual systems underlying scientific approaches to psychology. Prereq: senior standing. (3)

PSYC 381-385 Seminar

Focused topics such as critical review of an outstanding psychologist's major writings, specific research technique, analysis of single modern theory of behavior, new direction in psychology, or discussion of current professional problem. Topics will be posted in the School of Psychology and may be listed in Class Schedule. Prereq: nine sem hrs in psychology; specific course prerequisites will be listed in Class Schedule. (1-3)

PSYC 386 Special Topics

Content varies. (3)

PSYC 391 Forensic Psychology I: Adult

The role of clinical psychologists in assessing and treating criminal and corrections populations and working with police and investigative agencies. Use of behavioral science information in both civil and criminal court proceedings. The psychological and psychiatric aspects of criminal behavior and violence; emphasis on antisocial syndromes and more recent neuropsychological research concerning violence. Prereq: nine sem hrs in psychology. (3)

PSYC 392 Forensic Psychology II: Juvenile

Role of clinical and developmental psychologists and of behavioral science research at all levels of the juvenile court system. Abuse and neglect proceedings; family law courts; delinquency courts. Topics may include juvenile violence, substance abuse, therapeutic jurisprudence and restorative justice, effects of divorce, posttraumatic stress syndromes, child witness and child testimony research. Prereq: nine sem hrs in psychology. (3)

PSYC 395 Independent Study

Advanced topics in psychology; applied or career-based topics; research under faculty supervision; or paraprofessional practicum. Recent topics have included applied psychology in nursing homes, behavior modification techniques of animal training, and psychology of Arab-Americans. Prereq: nine sem hrs in psychology; consent of instructor and school director. (1-3)

Public Administration

PBAD 101 American Politics

See Pos 101. (3)

PBAD 300 Introduction to Public Administration

Introduction to theories, skills, functions, and ethics of public administration. See also Pos 301. (3)

PBAD 301 Organizational and Management Theory for Public Administrators

Theories, skills, and functions of the public service executive. Prereq: Pbad 300. (3)

PBAD 305 Public Budgeting

An overview of the public budgeting process and budget development cycles for nonprofits. Students follow the budget adoption process of a particular unit of government or nonprofit governing board; mock budget testimony is given in class. Prereq: Pbad 300. (3)

PBAD 322 Human Relations in Nonprofit Organizations

Examination of human resource management in nonprofit organizations, including personnel and volunteer management, working effectively with a board of directors, and managing change. (3)

PBAD 324 Resource Development in Nonprofit Organizations

An exploration of fundraising, marketing, and strategic planning in the nonprofit context; identifying, serving, and communicating with key constituencies including funders, media, constituents, and the community. (3)

PBAD 341 Introduction to Justice Administration

Justice administration in the United States and how the different parts of the system interrelate; key policy issues and dilemmas facing the system, including determinate sentencing laws and community policing and corrections. Prereq: Pbad 300. (3)

PBAD 342 Justice Administration II: The Police

Roles and responsibilities of the police in society with special emphasis on leadership and community relations; legal, technical, and administrative topics

in police administration. Budgeting, personnel, and technical support with focused attention to the administration of community policing strategies. Prereq: Pbad 341. (3)

PBAD 347 Diversity and Conflict Resolution

Racial and ethnic relations in criminal justice administration. Interpersonal relations, the nature of conflict, and methods of conflict resolution. Mediation, arbitration, role playing, and language exploration. (3)

PBAD 351 Introduction to Health Services

History and development of the health services system. Description and evaluation of ambulatory, acute, and long-term care; mental health; and public health systems. (3)

PBAD 360 Issues in Intergovernmental Relations

Intergovernmental relations and their impact on local government. The constitutional context and evolution of federalism; increasing federal role in local affairs; fiscal intergovernmental relations; court decisions that have facilitated the expanded federal role. Administrative relations, mandates, and impact of regulation by higher level governments. Prereq: Pbad 300. (3)

PBAD 361 Local Government Administration

Management of local units of government from standpoint of chief executive officer—city manager, township supervisor, school superintendent, and others. Day-to-day operational aspects of municipal administration; supervision of basic public services. Prereq: Pbad 301. (3)

PBAD 362 Urban Politics

Problems of governing in urban areas; examination of formal and informal structures and power bases of local government; conflicts and competition between racial and ethnic groups and between city and suburban areas. Application of political machine and community power models in case studies, including studies of Chicago politics. Prereq: Pbad 300. (3)

PBAD 363 Urban Policy

Policies and policy-making processes of government that shape quality of life in metropolitan areas; relationship between political and market processes; class, gender, racial, and regional consequences of difference

policies. Prereq: Pbad 301. (3)

PBAD 367 Governing Metropolitan Areas

Study of regional governance issues in metropolitan areas including delivery of local government services that cross political boundaries. Prereq: Pos 101. (3)

PBAD 369 State and Local Government

Politics, structure, and governance of state and local governments; interrelationships of governments in metropolitan areas; selected policy issues of concern to state and local governments. Prereq: Pbad 301. (3)

PBAD 371 Issues in the Development and Administration of Public Policy

Interaction of policy making and implementation. Study of selected issues in public policy. Impact of politics on administration. Prereq: Pos 101. (3)

PBAD 373 Administering Environmental Protection Programs

Trends, techniques, concepts, constraints and technologies important to the administration of environmental programs at all levels from the public and private perspectives. Responsibilities of federal, state, and local governments; corporations; and private citizens regarding environmental decisions. Prereq: Pbad 300. (3)

PBAD 398 Internship

Prereq: consent of instructor. (3)

Reading

(See: Education: Reading)

Secondary Education

(See: Education: Secondary Education)

Social Justice Studies

SJST 295 Topics in Social Justice

An opportunity for students to volunteer or intern in a social justice organization or to work collaboratively on social justice research projects in The Mansfield Institute for Social Justice. Build skills and knowledge

of social justice through participating in a faculty and student internship. Prereq: consent of director of social justice program. (3)

Sociology

SOC 101 Introduction to Sociology

Basic theories and concepts of sociology; culture; roles and norms; personality and group; forms of social organization; class, caste, and race; community; social institutions; collective behavior; social change. (3)

SOC 210 Contemporary Social Issues

Contemporary issues from a sociological perspective. Topics may include institutional problems of modern societies and issues related to class, race, gender, sexuality, environmental destruction, and global inequality. (3)

SOC 215 Sociology of the Family

Development of families; variations in family patterns in various cultures; role relationships within families; family influences in personality development; mate selection; parent-child relations; family disorganization and reorganization. (3)

SOC 230 Social Deviance

Nature and emergence of various deviant behavior patterns, such as crime, alcoholism, and drug abuse. Prereq: Soc 101. (3)

SOC 245 City and Citizenship

History, political economy, and architecture of US cities in relation to historical and philosophical debates about citizenship and democracy. The city as a window through which to explore broad social, economic, and political issues in the US; urban processes and institutions as forces in their own right that make for broader sociopolitical stability and change. May be used to fulfill a signature course. See also Libs 245. Prereq: UWR. (3)

SOC 249 City, Neighborhood, Suburban Community

Theoretical approaches and research on the question of community in modern urban America. A research project doing field work in the student's own community integrates the differing theoretical paradigms and

research methodologies and makes the student more aware of the urban scene. Prereq: Soc 101. (3)

SOC 260 Social Psychology

Processes of social interaction and development of self in social context; theoretical and research perspectives on social processes involved in motivation, perception, emotion, and thought; socialization, language acquisition, and symbolic communication; processes of deviant and collective behavior; methods of research in social psychology. Prereq: Soc 101. (3)

SOC 290 The Research Process

Major data-gathering techniques in the social sciences. Questionnaires, interviews, participant observation, and the use of official statistics. Basic statistical procedures used to analyze and interpret data and the use of computers. Heavy emphasis is placed on the proper preparation and writing of research reports. Prereq: one introductory course in the social sciences. (3)

SOC 303 The Development of Sociology

Development of classical perspectives within sociology. Karl Marx, Max Weber, Emile Durkheim and others. Prereq: nine sem hrs in social sciences. (3)

SOC 304 Contemporary Social Theories

Main schools and tendencies of 20th-century sociology. Topics may include the Chicago School, symbolic interactionism, functionalism, conflict theory, exchange theory, phenomenological sociology, ethnomethodology, and critical theory. Prereq: nine sem hrs in social sciences. (3)

SOC 315 Work and Organizations

Classical and contemporary perspectives on the importance of work and organizations in social life. Changing forms of organization, new technologies, and their impacts upon quality of work life. Prereq: Soc 101. (3)

SOC 318 Social Change

Paradigms and perspectives in classical and contemporary theories of social and cultural change; examination of processes of change. Prereq: Soc 101 and one 200-level sociology course. (3)

SOC 320 Sociology of Inequality

Nature and function of social inequality. Selected theories of inequality; American stratification system; comparative inequality; indicators of social class position; class consciousness and identification; prestige and power; class position and its correlates; processes of social mobility. Prereq: Soc 101. (3)

SOC 321 Sociology of Politics

Sociological contributions to research in political behavior; political motivation; participation and apathy; formation of political attitudes; voting organization and structure of political parties; political movements; character of authority and power; political elites and decision makers. Prereq: Soc 101. (3)

SOC 322 Sociology of Religion

The institution of religion in American life. Major historical incidents; currently popular religions; how religion interacts with other elements in society. Prereq: Soc 101. (3)

SOC 325 The Sociology of Education

Social factors involved in educational processes within US society. The interaction of educational institutions with various cultural, economic, and social factors. Prereq: Soc 101. (3)

SOC 327 Race and Ethnic Relations

Race and ethnicity in the US; history and present status of various racial and ethnic groups; political economy of race; changing public discourse of race and racial identities. Prereq: Soc 101. (3)

SOC 330 Sociology of Mental Health and Mental Illness

Mental disorders as major social problems; concept of mental illness in popular understanding, psychiatry and social sciences; cultural, social-psychological and sociological theories of development of mental disorders; empirical studies of cultural variation and social variables in mental disorders; social aspects of patient career; social prevention of mental disorders. Prereq: six sem hrs in social sciences. (3)

SOC 331 Criminology

Social processes and criminal behavior; theories of crime; social factors and causes of crime; law enforce-

ment and the judicial process; corrections; prevention of crime. Prereq: Soc 101. (3)

SOC 332 Basic Concepts and Issues in Aging

Elderly stage of life cycle. Conceptual framework for viewing elderly and their status in society. General theoretical approaches to old age. Prereq: Soc 101. (3)

SOC 333 Public Policies in Aging

Political and social factors in development of public policies and programs dealing with older citizens. Discussion of Medicare and other programs. (3)

SOC 336 Aging, the Aged, and the Family

Issues of three- and four-generational families. Practical overview of developmental issues involved; examination of family intervention model. Prereq: Soc 332. (3)

SOC 339 The Sociology of Death and Dying

Social processes involved in death and in dying; how these acts are viewed by society; adjustment processes; effects on both surviving individuals and society. (3)

SOC 340 Sex, Gender and the Social Order

The social construction of gender definitions. Focus on how gender roles in the family, media, and work place are constructed. Prereq: Soc 101. (3)

SOC 345 The Study of Population

Theories of population growth; balance between population, natural resources, and cultural norms; methods of population analysis, population distribution and density; age, sex, and ethnic composition; fertility, mortality, and migration and their influences on population change. (3)

SOC 346 Community Organization

Nature of urban community structure; theoretical bases for community organization activity; various approaches to community organization practice. Impact of urbanization, industrialization, and bureaucratization on modern community; relevance of community in modern society. Prereq: Soc 101. (3)

SOC 349 Environmental Sociology

Relationship between humans and their environment. How humans fit into the biological ecosystem; the nature of human adaptation and how it has affected the planet. Prereq: Soc 101. (3)

SOC 350 Sociology of Culture

Theory and method in the sociology of culture. May include issues related to high culture and popular culture, modernism and postmodernism, the politics of mass media, and the role of religion in contemporary societies. Prereq: six sem hrs in social sciences. (3)

SOC 353 Health, Illness and Medicine in American Society

Organization and delivery of health care in the US. Topics include the meaning of illness, the social transformation of medicine, professional autonomy, the medicalization of birth, AIDS, assisted suicide, health care reform, and alternatives to managed care. Prereq: six sem hrs in sociology. (3)

SOC 395 Independent Study

Topics should not be part of regular curriculum. Student should demonstrate significant interest in and preparation for topic selected. Prereq: consent of instructor. (1-4)

SOC 396 Suburban Policy Issues

Chicago's suburban development after World War II. The postindustrial transformation of the metropolitan region; specific policy issues; economic development; suburban sprawl; taxation; service delivery; housing; crime; transportation. Prereq: Soc 101. (3)

SOC 397 Urban Policy Issues

Theoretical approach to urban issues. Local communities and community organizations; crime and delinquency; segregation; and poverty. Prereq: Soc 101. (3)

Spanish

All 200- and 300-level courses are taught in Spanish.

SPAN 101 Elementary Spanish

Mastery of basic language skills of listening, speaking, reading, and writing. For beginners. (3)

SPAN 102 Elementary Spanish

Continuation of Span 101. Prereq: Span 101 or equivalent. (3)

SPAN 201 Intermediate Spanish

Review of essentials of grammar and continuing practice of basic skills of listening, speaking, reading, and writing. Taught in Spanish. Prereq: Span 102 or equivalent. (3)

SPAN 202 Intermediate Spanish

Continuation of 201. Prereq: Span 201 or equivalent. (3)

SPAN 255 Intensive Reading

Examination of contemporary literary and technical material. Oral practice. Prereq: Span 202 or equivalent. (3)

SPAN 301 Advanced Composition

Translation, composition, and analysis of original texts. Taught in Spanish. Prereq: Span 202, equivalent, or consent of instructor. (3)

SPAN 302 Spanish for Speaking

Designed for non-native speakers past the intermediate level to further develop speaking and oral comprehension skills. Taught in Spanish. Prereq: Span 202. (3)

SPAN 303 Conversation and Grammar Review

General review and development of language skills

and grammar; preparation for more advanced courses. Taught in Spanish. Prereq: Span 202. (3)

SPAN 304 Advanced Conversation

Subjects of discussion based on selected texts. Taught in Spanish. Prereq: Span 202, Span 301, or consent of instructor. (3)

SPAN 315 Culture of Latin America

A broad survey of Latin American culture. Taught in Spanish. (3)

SPAN 319 La novela corta

Contemporary short novels from Latin America and Spain. Taught in Spanish. (3)

SPAN 320 Ensayo hispanoamericano

A survey of the most important Hispanic-American essayists: Bolivar, Marti, Vasconcelos, Mistral, Castellanos, Carpentier, Garcia Marquez, Paz, Fuentes, Poniatowska. Taught in Spanish. (3)