

Course Descriptions

Generally, courses numbered 1000-1999 are freshman courses; 2000-2999, sophomore courses; 3000-3999, junior courses; 4000-4999, senior courses; and 5000-6999, graduate courses. However, if prerequisites are met, students may enroll according to the following schedule:

Class	Courses Numbered			
Freshman	1000	2000	a	a
Sophomore	1000	2000	3000	a
Junior	1000	2000	3000	4000
Senior	1000	2000	3000	4000/5000-5499b
Graduate	4750-4999c 5000-6999			

- a -- Courses numbered 3000-4999 in chemistry, foreign languages, mathematics, and military science may be taken by students who have prerequisites and permission of the department chairperson.
- b -- Courses numbered 5000-5499 may be taken by students who have a 2.75 GPA and permission of instructor and Dean of the Graduate School.
- c-- Courses numbered 4750-4999 are open to juniors, seniors, and graduate students.

Numbers in parentheses following the course title indicate the number of class hours per week, laboratory or studio hours per week, and credit hours. For example (3-0-3) indicates three hours of classroom work each week, no laboratory hours, and three semester hours credit. Students enrolled in courses whose meeting times are noted as "arranged" (Arr.) should contact the instructor by the beginning of the semester. Unless indicated as below, courses are offered every term. Offering times indicated are: Su -- Summer Term; F -- Fall Semester; S - Spring Semester. Writing-Intensive courses are designated "WI."

Prerequisites for courses are printed immediately following the course description. Prerequisites are predicated upon the assumption that students require certain knowledge and/or skills gained in one or more previous courses. Of particular concern in this regard are courses numbered 3000 or above, especially those required in majors and minors. Such courses often connect to a series of prerequisites, and, in many cases, only the highest ranking prerequisite in the series is listed with the course description. **Students must be aware that the listed prerequisite may itself have one or more prerequisites.** It is the student's responsibility to consult the catalog course descriptions to be sure that all prerequisites in a series have been met.

A student may not enroll in a course serving as a prerequisite for another course he or she has already completed. **(This rule does not apply to students who do not earn grades of C or better in ENG 1001G, ENG 1002G, and/or CMN 1310G or in accepted substitutions.)** A student may not enroll in a lower level course which substantially duplicates a higher level course already completed. Should a student violate this prescription, he/she may not receive credit for the course toward graduation.

ACCOUNTING (ACC)

ACC 3200 - Financial Accounting Theory I.

(3-0-3) F, S. A study of the theories that underlie the practice of accounting and financial reporting. Includes an historical perspective on the evolution of these theories, the process of establishing accounting principles, and the development of a framework for evaluation of present and potential new practices. **Prerequisites & Notes:** Admission to the School of Business or permission of the Associate Chair. (Students are strongly advised to take ACC 3200 and ACC 3300 concurrently.) Credits: 3

ACC 3250 - Financial Accounting Theory II.

(3-0-3) F, S. This course is a continuation of ACC 3200. Investment, liabilities, and equities are examined. Complex problems in financial accounting such as pensions, leases, earnings per share, and preparation of the Statement of Cash Flows are studied. **Prerequisites & Notes:** BUS 3710, ACC 3200, each with a grade of C or better; admission to the School of Business or permission of the Associate Chair. (Students are strongly advised to take ACC 3250 and ACC 3900 concurrently.) Credits: 3

ACC 3300 - Management and Cost Accounting.

(3-0-3) F, S. The role of management and cost accounting data in organizations will be explored. Course has in-depth coverage of cost accounting for financial reporting and managerial decision making. Includes job-order costing, process costing, activity-based costing, cost allocations, standard costing, and absorption and variable costing. **Prerequisites & Notes:** MAT 2120G with a grade of C or better; admission to School of Business or permission of the Associate Chair, School of Business. (Students are strongly advised to take ACC 3200 and ACC 3300 concurrently.) Credits: 3

ACC 3400 - Introduction to Income Taxation.

(3-0-3) On Demand. An introduction to tax planning and compliance. The course will cover basic concepts and procedures of Federal and State Income Tax as they pertain to the individual taxpayer and the small business enterprise. No credit for graduation if student has credit for ACC 4400 or its equivalent. Not open to students enrolled in a curriculum requiring ACC 4400. **Prerequisites & Notes:** Junior standing or permission of the Associate Chair. Credits: 3

ACC 3750 - Governmental and Nonprofit Accounting

(3-0-3) On Demand. Accounting for governmental and nonprofit entities. Topics include fund accounting characteristics, budgets, cost accounting systems, and financial statement analysis. **Prerequisites & Notes:** ACC 3200 with a grade of C or better; a minimum EIU cumulative GPA of 2.50; admission to the Accounting Program; or permission of the Chair, School of Business. Restricted to accountancy majors. Course may not be repeated. Credits: 3

ACC 3900 - Accounting Information Systems.

(3-0-3) F, S. Accounting systems concepts, design, information needs and flows. Special emphasis on accounting internal controls. Includes coverage of transaction processing cycles, general ledger accounting architecture, relational databases, data modeling and database design, e-commerce and EDI, computer-based accounting information system control, computer accounting fraud and security, and the effects of accounting information technology on organizations. **Prerequisites & Notes:** MAT 2110G and MAT 2120G each with a grade of C or better; ACC 3200 and ACC 3300 each with a grade of C or better; admission to the School of Business, or permission of Associate Chair. No credit for students who successfully completed ACC 3100 or its equivalent. (Students are strongly advised to take ACC 3250 and ACC 3900 concurrently.) Credits: 3

ACC 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business. Additional prerequisites to be determined by the topic(s) to be covered. Credits: 1 to 15

ACC 4275 - Internship in Accounting.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of accounting knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the Accounting Program, ACC 3200, ACC 3300, a minimum cumulative EIU GPA of 2.50 or higher, and approval of Internship Learning Agreement by School of Business Associate Chair. Course may be repeated once. Credits: 1 to 15

ACC 4275A - Internship in Accounting I.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of accounting knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the Accounting Program, ACC 3200, ACC 3300, a minimum cumulative EIU GPA of 2.50 or higher, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

ACC 4300 - Advanced Management and Cost Accounting.

(3-0-3) On Demand. The emphasis of the course is on the way management accounting data influence decisions within the organization. Course examines cost planning, cost control, decision making using accounting data, and performance evaluation. Topics include CVP analysis, relevant costing, the master budget, controlling discretionary costs, controlling inventory and production costs, capital budgeting, responsibility accounting and transfer pricing in decentralized organizations, measuring organizational performance and rewarding performance. **Prerequisites & Notes:** ACC 3300, ACC 3900, BUS 3950, BUS 3710, BUS 3010, BUS 3470, each with a grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair. Credits: 3

ACC 4400 - Federal Income Taxation I.

(3-0-3) F, S. This is the first of two courses on federal income tax accounting under the latest amendments to the Internal Revenue Code. This course focuses on the income taxation of individuals and sole proprietorships. Topics include regulatory framework and legal liability of accountants, determination of gross income, deductions, and computation of tax liability, payment procedures, and tax planning. **Prerequisites & Notes:** ACC 3200 with a grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher, and admission to the Accounting Program, or permission of the Chair, School of Business. Credits: 3

ACC 4500 - Advanced Accounting Theory.

(3-0-3) F, S. Financial accounting measurement, partnerships, international operations, and accounting for business combinations. This course is designed to develop the student's knowledge of selected financial accounting topics and to give the student an understanding of the theory relating to them. **Prerequisites & Notes:** ACC 3250 and ACC 3900, each with a grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair. Credits: 3

ACC 4550 - Internal Auditing.

(3-0-3) On Demand. Theory and applications of the internal auditing appraisal function in assisting members of the organization in the effective discharge of their responsibilities. This course is designed for those students seeking a career in management accounting. **Prerequisites & Notes:** ACC 3250, ACC 3300, and ACC 3900, each with a grade of C or better, a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair. Credits: 3

ACC 4700 - Auditing and Assurance Services.

(3-0-3) F, S. This is the first of two integrated courses on auditing and assurance standards and practices. This course focuses on the audit function, nature and scope of audit engagement, professional auditing standards and procedures, assessment of engagement risk, planning for audit, and analysis of internal control. No credit will be granted for students who have completed ACC 4600 or its equivalent with a grade of C or better. Students who plan to take the Uniform CPA Examination should take this course and ACC 5400. **Prerequisites & Notes:** ACC 3250 and ACC 3900, each with a grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program, or permission of Associate Chair, School of Business. Credits: 3

ACC 4740 - Independent Study.

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the Accounting program, School of Business, ACC 3250, senior standing, cumulative grade-point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by School of Business Associate Chair prior to registration. Credits: 1 to 6

ACC 4800 - Federal Income Taxation II.

(3-0-3) F, S. A continuation of ACC 4400, with emphasis on underlying principles and concepts in the federal income tax laws and the tax consequences of alternatives. Emphasis on corporation, partnership, and fiduciary tax problems. Property transactions and international transactions will also be examined. Tax research is included. If this course is taken for graduate credit, there will be additional requirements to complete this course. **Prerequisites & Notes:** ACC 4400 with a grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair. Credits: 3

AFRICANA STUDIES (AFR)

AFR 1000G - Introduction to Africana Studies.

(3-0-3) F, S. The course examines the history, culture and human experiences of Africans and peoples of the African Diaspora. The course will also explore the contributions of Africans and peoples of African descent in all subjects of human endeavor, e.g., the arts, sciences, history, psychology, religion, politics, etc. WI Credits: 3

AFR 2000G - African American Social Movements.

(3-0-3) F, S. This course explores the history of African American social movements. Themes include identity, recruitment, mobilization, tactics, organization, race, gender, alliances, challenges and ideology. WI Credits: 3

AFR 2200G - Pan Africanism.

(3-0-3) F, S. This course examines the political, social, economic, cultural and ideological connections and relationships between Africans and their descendants in the diaspora (Asia, Europe, South America, North America, and the Caribbean) from a historical and comparative perspective. Topics include slavery, colonialism, resistance, Pan Africanism, liberation and black power movements. WI Credits: 3

AFR 2400 - Black Women in the Diaspora.

(3-0-3) S. This course explores realities of black women in the diaspora with an emphasis on the United States, Canada, Britain, Africa and the Caribbean. Topics such as identity, family, work, slavery, colonialism and globalization will be examined. Strategies that black women have employed to ensure the survival of "Self" and community will be explored. WI **Prerequisites & Notes:** Students will be required to take AFR 1000G or AFR 2000G before taking this course. Credits: 3

AFR 2500 - Introduction to Research Methods in Africana Studies.

(3-0-3) F. This course is designed to introduce students to research methods. Students will learn qualitative and quantitative methods of carrying out Africana studies research, how to use scholarly literature to support their analysis and how to write research papers. The following topics will be explored: research ethics, social theory, research design, ethnography, oral history, survey and secondary data analysis. WI **Prerequisites & Notes:** Students will be required to take ENG 1001G or ENG 1002G or equivalent before taking this course. Credits: 3

AFR 2600 - African American Men.

(3-0-3) F. This course acknowledges the realities that are specific to African American males. Strategies and habits of mind that may reinforce and affirm their cultural strengths and overall identity, particularly in support of academic achievement will be examined. WI **Prerequisites & Notes:** Students will be required to take AFR 1000G or AFR 2000G before taking this course. Credits: 3

AFR 3000 - Special Topics in Africana Studies.

(3-0-3) On Demand. Focused study of a topic, issue, or period not ordinarily treated in existing courses. Topics to be announced. May be taken more than once with permission of the Director of Africana Studies and the Dean of the College of Arts and Humanities but may be taken only once to satisfy major requirements. **Prerequisites & Notes:** English 1002G. Credits: 3

AFR 3150 - Women and Development in Africa.

(3-0-3) S. This course will expose students to the existing paradigms on women within Africa. Factors and forces mitigating for and against women such as colonialism, capitalism, patriarchy, religion, education and culture will be explored. Challenges and tasks women face in the process of industrialization and modernization will be assessed and analyzed. WI **Prerequisites & Notes:** Students will be required to take AFR 2500 or equivalent before taking this course. Credits: 3

AFR 3300 - African Cinema.

(3-0-3) F. This is a course which encounters and interprets traditions of Africa through its cinema. **Prerequisites & Notes:** ENG 1002G. Credits: 3

AFR 3500 - The African American Intellectual Tradition.

(3-0-3) S. This course will adhere to the definition of intellectual history as "the history not of thought, but of people thinking." Students will explore the critical role that African American intellectuals in all their guises have played in the shaping of the American historical and intellectual landscape. Topics include intellectual responses to slavery, emancipation, nation building and the civil rights movement. WI **Prerequisites & Notes:** Students will be required to take AFR 2500 or equivalent before taking this course. Credits: 3

AFR 3600 - HIV/AIDS and Development in Africa.

(3-0-3) S. The main focus in this course is to examine the challenges HIV/AIDS present in Sub-Saharan Africa in terms of economic, health, social and demographic underpinnings of development. Though focused on Sub-Saharan Africa as a region, the course will provide students with the building blocks necessary to design an HIV/AIDS prevention campaign and service learning opportunities. WI **Prerequisites & Notes:** Students will be required to take AFR 2500 or equivalent before taking this class. Credits: 3

AFR 3700 - Race and Neighborhood Development.

(3-0-3) S. The course examines the political causes and consequences of place-based racial inequalities in American cities. The ultimate purpose is to help students understand the legacy of uneven urban development; recognize its contemporary manifestations and ways of challenging it. WI **Prerequisites & Notes:** Students will be required to take AFR 2500 or equivalent before taking this course. Credits: 3

AFR 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

AFR 4275 - Internship in Africana Studies.

(Arr.-Arr.-1-15) (Credit/No Credit) A semester's experience as an intern in an agency or organization relevant to the student's curriculum. The total hours must not exceed 15 including courses taken in any other internship offered by the university. **Prerequisites & Notes:** Permission of the program's chairperson and the written acceptance of the student by the agency or organization involved. Credits: 1 to 15

AFR 4300 - Capstone Seminar.

(3-0-3) S. This course is designed for senior students who are majors or minors in Africana Studies. Students will apply all the interdisciplinary knowledge they have gained as they design the capstone project. Each student will choose a topic for research, based on his/her area of concentration in the major or minor. The themes of the capstone will be determined by the research interests of the class. This course is restricted to Africana Studies majors and minors. WI **Prerequisites & Notes:** Completion of 75 hours, AFR 2500 or equivalent, and Africana Studies core courses (Majors: AFR 1000G, 2000G, 2200G, 2500, 3500, and HIS 3750; Minors: AFR 1000G or 2000G, and AFR 2500) or permission from the Director of Africana Studies. Credits: 3

AFR 4400 - Independent Study.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. This course may be repeated for a total of not more than three semester hours. **Prerequisites & Notes:** Consent of supervising faculty member and permission of the African-American Studies chairperson. Credits: 1 to 3

ANTHROPOLOGY (ANT)

ANT 2200G - Introduction to Anthropology.

(3-0-3) F, S. A comparative and scientific study of world cultures. Includes origins and development of human culture and the study of contemporary societies and their ways of life. **S1 900N** Credits: 3

ANT 2290G - Introduction to Anthropology, Honors.

(3-0-3) On Demand. A comparative study of the development of world civilizations from the earliest peoples to modern global interdependence, with an emphasis on global themes and global interactions. **Prerequisites & Notes:** Admission to the University Honors College. WI Credits: 3

ANT 2742 - Human Evolution.

(3-0-3) S. Study of the biological and cultural evolution of humanity. Includes study of primate form and behavior; the origins of the human biological family, fossil evidence showing human biological evolution and archaeological evidence of human cultural development. **S1 902** Credits: 3

ANT 3602 - Peoples and Cultures of South America.

(3-0-3) F-odd numbered years. Study of selected South American cultures; their religions, mythologies, political and economic systems. Includes the pre-Columbian background of South American cultures and their status in the modern world. **Prerequisites & Notes:** ANT 2200G or permission of the instructor. Credits: 3

ANT 3606 - Magic and Religion in Preliterary Societies.

(3-0-3) S. A world-wide survey of ideas and beliefs regarding supernatural beings and agents. Special attention will be given to totemism, ancestor worship, reverence for impersonal powers, witchcraft, sorcery, spirit possession and magic. **Prerequisites & Notes:** ANT 2200G or permission of the instructor. Credits: 3

ANT 3611 - Peoples and Cultures of Africa.

(3-0-3) F. A study of the peoples and cultures of Africa, including a delineation of broad cultural areas. An in-depth description of selected societies and a cross-cultural comparison of certain institutions such as religions, political systems and family structures. **Prerequisites & Notes:** ANT 2200G or permission of the instructor. Credits: 3

ANT 3691 - Native American Cultures.

(3-0-3) S. Study of the cultures of Native Americans, including the study of religious and ceremonial systems, political systems, patterns of warfare and adaptations to environments, and current status of North American Indians. WI Credits: 3

ANT 3712 - Archaeology of the Earliest Civilizations.

(3-0-3) F. Development of economic and political systems, religion, art, urbanism. Study of methods which archaeologists use to reconstruct complex cultures of the past. Credits: 3

ANT 3900 - Hunters and Gatherers.

(3-0-3) S. This course examines the history, culture, and study of hunting and gathering peoples. **Prerequisites & Notes:** ANT 2200G or permission of instructor. Credits: 3

ANT 3960* - Special Topics in Anthropology.

(Arr.-Arr.-1-4) On Demand. On-campus and/or off-campus fieldwork on special areas or topics in anthropology. Each lettered course may not be repeated. Different Special Topics courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Approval of the instructor.

*Course Numbers: ANT 3960A, B, D-F, H-M, O-R, T-Z Credits: 1 to 4

ANT 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

ANT 44001 - Independent Study I.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 44002 - Independent Study II.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 44003 - Independent Study III.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 44004 - Independent Study IV.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 44005 - Independent Study V.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 44006 - Independent Study VI.

(Arr.-Arr. 1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Nine semester hours of anthropology and a cumulative grade point average of 3.0 or better. Credits: 1 to 3

ANT 4511 - Comparative Economic Systems.

(3-0-3) F. A framework for the comparative analysis of economic systems is developed and applied to case studies from pre-modern as well as modern economic systems. Explores the impact of culture and historical precedent on the organization of economic activity in different societies. Credit cannot be earned for both ECN 4511 and ANT 4511. Cross listed with ECN 4511. Credits: 3

APPLIED ENGINEERING AND TECHNOLOGY (AET)

AET 1001 - Introduction to Computer-Aided Design/Drawing (CAD).

(1-0-1) S. An introduction to the operation of equipment and applications of a computer-aided design/drafting (CAD) system. Experience in CAD equipment in 2- and 3-D drawing. An over-view of the development, benefits and effects of CAD on the design/drafting industry. Credits: 1

AET 1012 - Technical Drawing.

(1-2-2) F, S. An introduction to the conventions and the development of basic skills needed to produce technical drawings. Topics include: the design process, technical sketching, orthographic and pictorial projection, working drawings, dimensioning and tolerancing, computer applications. Credits: 2

AET 1263 - Materials Technology.

(3-0-3) F, S. An analysis of the structure and properties of materials as well as an introduction to processing principles. Emphasis on identification, properties, characteristics and application. Credits: 3

AET 1323 - Computers for Applied Engineering and Technology.

(2-2-3) F, S. An introduction to the use of computers in technological environments. Students will learn computer hardware systems and software applications used by industry, commercial operations, production and related types of organizations. Credits: 3

AET 1363 - Graphic Communication Technologies.

(2-2-3) F, S. Introduction to digital production technologies related to creating, transferring, and reproducing conventional graphic images, digital images and Web pages. Credits: 3

AET 1413 - Technological Systems.

(3-0-3) F, S. An introduction to the technological areas of communication, transportation, construction and manufacturing. The course includes study of the evolution and current status of each area as well as their interrelationships. Credits: 3

AET 2043 - Computer-Aided Engineering Drawing.

(1-4-3) F, S. Sketching, spatial visualization, computer-aided drawing (CAD) procedures, multiview drawing, dimensioning, tolerancing, threads and fasteners, and descriptive geometry. **Prerequisites & Notes:** AET 1012 or permission of instructor. Credits: 3

AET 2064 - Manufacturing Processes.

(2-2-3) On Demand. A study of basic materials and processes used in industry. Emphasis on separating, forming, and combining processes. Credits: 3

AET 2123 - Digital Photography and Imaging.

(2-2-3) F, S. This course will cover digital photography and professional lighting techniques needed to produce commercial print and web images for promotional, retail signage, advertising and marketing themes, and business applications. Credits: 3

AET 2184 - Electronic Circuits and Semiconductor Concepts.

(2-4-4) S. An investigation of basic electric/electronic circuits including: simple DC circuits and theorems; AC circuit variables and components; semiconductor theory, devices and circuits; and an introduction to integrated circuits. **Prerequisites & Notes:** AET 2324 and MAT 1271. Credits: 4

AET 2200G - Materials Science.

(3-0-3) Understanding the nature, applications, and environmental effects of natural and synthetic materials. Study of recycling and reclaiming materials and the problems associated with waste. Note: Applied Engineering and Technology majors may not enroll in this course. Credits: 3

AET 2253 - Construction Equipment and Materials.

(1-4-3) F. The study of construction equipment and materials related to a range of specific construction processes. The course includes hands-on laboratory experiences along with lecture and multimedia presentations. Credits: 3

AET 2300G - Science and Technology: A Promise or a Threat?

(3-0-3) The course will discuss the methods and development of scientific discoveries, their technological applications, and the impact of these activities on cultural, social, political, economic, and religious values. The influence of society on scientific research and technological development will be studied as well. Cross-listed with GEL 2300G. WI Credits: 3

AET 2324 - Electronic Control Systems.

(2-2-3) F, S. An introduction to basic electrical industrial control concepts. Topics included basic electrical concepts, basic electrical automation and control concepts, introduction to loads and actuators, control sequencing and data acquisition fundamentals. **Prerequisites & Notes:** MAT 1270 or Math ACT score of 20 or higher. Credits: 3

AET 2523 - Routing and Switching Fundamentals.

(2-2-3) F. An in-depth hardware course in computer hardware systems, Open Systems Interconnect (OSI) model layers, configuration details of Internet Protocol routing, switching topics, and router operation as applied to industrial settings. **Prerequisites & Notes:** AET 1323. Credits: 3

AET 2953 - Statics and Strength of Materials.

(3-0-3) F-odd-numbered years. Study of systems of forces and couples application of mechanics to structural analysis. Topics include resultants, equilibrium of bodies and frames, trusses, moments of inertia, principal stresses and strains, torsional shear and deformation, shear and moment diagrams of beams, indeterminate structures, and elastic columns. **Prerequisites & Notes:** MAT 1340 or 1441G. Credits: 3

AET 3012 - Metrology and Inspection Procedures.

(2-0-2) F, S. Applications of metrology in production manufacturing, inspection instruments and procedures. **Prerequisites & Notes:** MAT 1270 or higher or ACT composite score of 19 (SAT 910). Credits: 2

AET 3043 - Engineering Geometry and Graphics.

(2-2-3) F, S. Advanced spatial geometry; parallel, angular and perpendicular relationship; graphical calculus; empirical equations; plane and space vectors. **Prerequisites & Notes:** AET 2043; MAT 1340 or 1441G. Credits: 3

AET 3063 - 3-D Modeling.

(1-4-3) S. Planning and developing computer-aided solid models for design and manufacturing and assembly modeling. **Prerequisites & Notes:** AET 2043. Credits: 3

AET 3073 - Programmable Logic Controllers.

(2-2-3) S. Introduction to programmable logic controllers (PLCs) through its operation, programming, and uses in the control of production, manufacturing, industrial, and other processes. **Prerequisites & Notes:** AET 2324, Electronic Control Systems. Credits: 3

AET 3103 - Robots and Control Systems.

(1-4-3) S. A study of control systems and programming languages related to robots, programmable controllers, and automated systems used for transportation control. Mechanical, electrical, and fluid control systems used for automated control will be emphasized. **Prerequisites & Notes:** AET 2324 or permission of instructor. Credits: 3

AET 3113 - Manufacturing Machine Processes.

(1-4-3) F. Study of processes involved in transforming primary materials into manufactured products through casting, molding, turning, drilling, shaping, milling, and grinding operations. **Prerequisites & Notes:** AET 1263. Credits: 3

AET 3143 - Manufacturing Fabrication Processes.

(1-4-3) S. A study of advanced fabrication processes including forming, shaping, conditioning, fastening and finishing. Emphasis will be placed on heavy manufacturing techniques used for fabricating steel, cast iron, aluminum and plastic. **Prerequisites & Notes:** AET 1263. Credits: 3

AET 3153 - Advanced Routing and Switching.

(2-2-3) S. This course focuses on additional hardware and networking applications of the topics covered in AET 2523, with emphasis on industrial networks of computer integrated machines. **Prerequisites & Notes:** AET 2523. Credits: 3

AET 3183 - Digital Logic and Data Communications.

(1-4-3) F. An introduction to the study of digital electronics with emphasis on basic logic gates and circuits, analog, and digital conversion, data transmission/communication systems, and networking hardware and protocols. **Prerequisites & Notes:** AET 2324. Credits: 3

AET 3203 - Computer Numerical Control Programming.

(2-2-3) S. Detailed study of Numerical Control Programming techniques used in manufacturing operations. This course includes a study of the principles of point-to-point and continuous path programming. **Prerequisites & Notes:** AET 3113. Credits: 3

AET 3213 - Surveying and Site Planning.

(1-4-3) S. Principles of construction site measurements and project layouts utilizing surveying instruments. The techniques and calculations applied to the wide variety of housing and commercial construction projects. **Prerequisites & Notes:** MAT 1310 or equivalent. Credits: 3

AET 3223 - Architectural Drafting and Blueprint Reading.

(2-2-3) S. Principles of architectural drafting and the interpretation of architectural plans. Codes and specifications related to light commercial and residential structures will be introduced. **Prerequisites & Notes:** AET 2043 and 2253. Credits: 3

AET 3253 - Energy Technology.

(3-0-3) On Demand. A study of energy sources and energy conversion processes involving electrical, mechanical, fluidic, and other methods. Includes theory of conversion, principles of operation and basic design. **Prerequisites & Notes:** MAT 1270 or Math ACT score of 20 or higher. Credits: 3

AET 3343 - Digital Media Technologies.

(2-2-3) On Demand. Advanced study of digital media applications applied to print and web media. Major emphasis will be on page layout, image capture and conversion, basic color theory, web page development, differences in computer operating systems and file formats. This course will include individual student and team projects applied to color output devices, and applications to print and web media. **Prerequisites & Notes:** AET 1363 or permission of instructor. Credits: 3

AET 3414 - Selection and Management of Applied Engineering Projects.

(4-0-4) F, S. This course is designed to prepare students to analyze and evaluate the worth of products, systems, structures, and services in relation to their costs; develop and utilize network techniques such as PERT/CPM; schedule activities; develop project budgets; allocate resources; and control progress and costs of technical projects. **Prerequisites & Notes:** MAT 2120G and AET 1323. Credits: 4

AET 3453 - Alternative and Renewable Energy Systems.

(3-0-3) On Demand. A study of the technology and systems of alternative and renewable energy resources with emphasis on energy generation and utilization for heating, cooling, electrical generation, industrial processes, transportation, residential and commercial uses. **Prerequisites & Notes:** AET 3253. Credits: 3

AET 3603 - Mechanical Systems in Residential and Commercial Buildings.

(3-0-3) S. Study of principles and standards of mechanical, heating, and air-conditioning systems in construction. The course will concentrate on calculation and selection of pipes, ducts, equipments for water, sewer, ventilation, heating, and air-conditioning of residential and light commercial buildings. **Prerequisites & Notes:** AET 3223 and AET 2324. Credits: 3

AET 3703 - Machine Design.

(3-0-3) F, S. Design of basic machine components: shafts, springs, bearings, gears, fasteners, belts, chains, screws, lubrication systems, welded joints, brakes, clutches, and hydraulic/pneumatic systems. **Prerequisites & Notes:** PHY 1351G, 1352G or (PHY 1151G, 1152G and MAT 1340 or 1441G). Credits: 3

AET 3833 - Sustainable Buildings.

(3-0-3) F. Study of the principles of environmentally sustainable construction with application of green buildings and standard construction techniques and mechanical systems. Included is the Green Building Rating System LEED (Leadership in Energy and Environmental Design) for benchmarking the design, construction, and operation of high performance green buildings. **Prerequisites & Notes:** AET 2253 and AET 3603 or approval of instructor. Credits: 3

AET 3920 - Independent Study.

(Arr.-Arr.-1-5) Independent study related to personal technological career goals in industrial technology. May be repeated once to maximum of five semester hours of elective credit in applied engineering and technology. **Prerequisites & Notes:** Junior standing and permission of the Chair, School of Technology. Credits: 1 to 5

AET 3920A - Independent Study I

(Arr.-Arr.-1-5) Independent study related to personal technological career goals in industrial technology. May be repeated once to maximum of five semester hours of elective credit in applied engineering and technology. **Prerequisites & Notes:** Junior standing and permission of the Chair, School of Technology. Credits: 1 to 5

AET 3970 - Special Topics in Technology.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 3970A - Special Topics in Technology I.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 3970B - Special Topics in Technology II.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 3970D - Special Topics in Technology III.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 3970E - Special Topics in Technology IV.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 3970F - Special Topics in Technology V.

(Arr.-Arr.-1-4) Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Junior standing or permission of the instructor. Credits: 1 to 4

AET 4000 - Undergraduate Research.

(Arr.-Arr.-1-6) On Demand. This course provides the opportunity for undergraduate students to perform individualized applied laboratory and/or theoretical research under the supervision of a faculty member. A written report is required. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status, permission of instructor and department chair permission. May be repeated once for a maximum of 6 credits from Undergraduate Research. Credits: 1 to 6

AET 4000A - Undergraduate Research I.

(Arr.-Arr.-1-6) On Demand. This course provides the opportunity for undergraduate students to perform individualized applied laboratory and/or theoretical research under the supervision of a faculty member. A written report is required. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status, permission of instructor and department chair permission. May be repeated once to a maximum of 6 credits from Undergraduate Research. Credits: 1 to 6

AET 4000B - Undergraduate Research II.

(Arr.-Arr.-1-6) On Demand. This course provides the opportunity for undergraduate students to perform individualized applied laboratory and/or theoretical research under the supervision of a faculty member. A written report is required. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status, permission of instructor and department chair permission. May be repeated once to a maximum of 6 credits from Undergraduate Research. Credits: 1 to 6

AET 4002 - Materials Testing.

(2-2-3) F, S. Applied analysis of mechanical and physical properties of industrial materials. **Prerequisites & Notes:** AET 1263; PHY 1151G, 1152G or PHY 1351G, 1352G. WI Credits: 3

AET 4023 - Manufacturing Automation.

(3-0-3) F. Detailed study of the critical elements in automated and computer integrated production systems. This course will include a study of group technology, computer process planning, flexible manufacturing systems, and integrated computer aided design and manufacturing systems (CAD/CAM). **Prerequisites & Notes:** AET 2043, 3113 or 3203. Credits: 3

AET 4123 - Advanced Digital Photography.

(2-2-3) S. Detailed study of technical equipment and skills necessary for quality digital photographic imaging, digital scanning, image manipulation, image transfer for WEB and Print Publishing. Production techniques and operations of WEB Publishing and Print Publishing technologies will be demonstrated through the different phases of planning, organizing, quality control, posting and maintaining of a website. Selection of hardware and cross-platform software interface, design, and practical applications of networks will be explored. **Prerequisites & Notes:** AET 2123 or permission of the instructor for AET 4123. Credits: 3

AET 4183 - Microcomputer Interfacing and Data Acquisition.

(2-2-3) S. A survey of microprocessor characteristics and operations, an investigation of computer interfacing requirements, a study of microcontrollers and microcontroller applications, and an overview of digital data acquisition hardware and software. **Prerequisites & Notes:** INT 2324. Credits: 3

AET 4223 - Construction Cost Estimating.

(3-0-3) F. Principles of construction and cost estimating of materials, labor, and equipment. Conventional cost estimating methods to be applied to a wide variety of residential and commercial projects. **Prerequisites & Notes:** AET 3223. Credits: 3

AET 4243 - Construction Project Management.

(3-0-3) S. Principles of project management applied in the construction industry. Contracting, specifications, codes, safety practices, and management practices utilized in modern construction projects. **Prerequisites & Notes:** AET 3223 or concurrent enrollment. Credits: 3

AET 4274 - Automation and Control Systems.

(2-4-4) F. Study of industrial control systems, including: actuators and loads; sensors, transducers and feedback circuits; motion control; and automation and control system requirements. **Prerequisites & Notes:** AET 2324 or permission of the instructor. Credits: 4

AET 4275 - Industrial Internship.

(Arr.-Arr.-1-10) (Credit/No Credit) Employment experience in an area related to the student's option. May be repeated once. **Prerequisites & Notes:** Permission of the Chair, School of Technology, and junior standing. Credits: 1 to 10

AET 4275A - Industrial Internship I.

(Arr.-Arr.-1-10) (Credit/No Credit) Employment experience in an area related to the student's option. May be repeated once. **Prerequisites & Notes:** Permission of the Chair, School of Technology, and junior standing. Credits: 1 to 10

AET 4353 - Print and Digital Media Production.

(2-2-3) F, S. Students will focus on production management for digital print and web page layout, magazine and brochure layout, editing and proofing, digital inkjet printing, offset and screen printing processes. **Prerequisites & Notes:** AET 1363 and AET 3343, or permission of instructor. Credits: 3

AET 4444 - Honors Independent Study.

(Arr.-Arr.-1-4) Independent Study in Applied Engineering and Technology is designed for the individual needs of the student as related to student's career goals in Applied Engineering and Technology. May be repeated once to a maximum of four semester hours from Honors Independent Study. May be counted toward the 15 hours of required course work in a technical concentration. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Chair, School of Technology. Credits: 1 to 4

AET 4444A - Honors Independent Study I.

(Arr.-Arr.-1-4) Independent Study in Applied Engineering and Technology is designed for the individual needs of the student as related to student's career goals in Applied Engineering and Technology. May be repeated once to a maximum of four semester hours from Honors Independent Study. May be counted toward the 15 hours of required course work in a technical concentration. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Chair, School of Technology. Credits: 1 to 4

AET 4453 - Sustainability Topics in Energy.

(3-0-3) On Demand. An in-depth examination of current and future issues, problems, policies, and other areas in energy sustainability. Topics include but not limited to biofueled boilers, energy conservation, creating synthetic fuels, nuclear fuel usages, exotic fuels research, and availability of traditional fuels such as fossil fuels. **Prerequisites & Notes:** AET 3453. Credits: 3

AET 4555 - Honors Research.

(3-0-3) On Demand. Study of research methods and processes including defining research problems, and collecting and analyzing data. Students will conduct a literature review and prepare a research proposal. **Prerequisites & Notes:** Admission to the Business, Family and Consumer Sciences, or Applied Engineering and Technology Departmental Honors Program and/or approval of the Business, Family and Consumer Sciences, or Technology Honors Coordinator. Course may not be repeated. Cross listed with BUS 4555 and FCS 4555. Credits: 3

AET 4602 - Physical Metallurgy.

(2-2-3) S. Methods of altering, controlling and determining physical properties of metals. **Prerequisites & Notes:** AET 1263. Credits: 3

AET 4644 - Honors Thesis.

(Arr.-Arr.-2-3) Written thesis based upon a survey of related literature and student's original research performed under the close supervision of a School of Technology faculty member. At least two semester hours are required of students in the Departmental Honors Program. May not be repeated. May be counted toward the technical concentration or required electives in Applied Engineering and Technology with the approval of the Departmental Honors advisor or coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Chair, School of Technology. Credits: 2 to 3

AET 4673 - Work Measurement and Method Design.

(3-0-3) S. Principles of motion and time study and methods engineering for the purpose of increasing productivity and reducing human effort. Special emphasis will be given to design and measurement of work in industrial environments. **Prerequisites & Notes:** AET 1323 and MAT 2120G or 1441G. Credits: 3

AET 4753 - Lean Manufacturing.

(3-0-3) On Demand. A course in the fundamental concepts, principles, and tools involved in Lean Manufacturing, including utilizing lean across industries as well as its implementation. **Prerequisites & Notes:** Junior Status and AET 1323 with a grade C or higher or equivalent course. Course may not be repeated. Credits: 3

AET 4800 - Management of Innovation and Technology.

(3-0-3) On Demand. Study of the development, adoption and implementation of new technology in industry. The focus is on the integration of business and technology strategies. Cross-listed with MGT 4800. **Prerequisites & Notes:** Senior standing and permission of the instructor. Credits: 3

AET 4803 - Plant Layout and Material Handling.

(3-0-3) F. Study of the arrangement of physical facilities and material handling to optimize the interrelationships among operating personnel, material flow, and the methods required in achieving enterprise objectives efficiently, economically, and safely. **Prerequisites & Notes:** AET 1323, AET 2043, and MAT 2120G or 1441G. Credits: 3

AET 4813 - Advanced Digital Media Technologies.

(2-2-3) S. Class experiences will focus on the advance preparation, merging, and integration of various digital elements into a completed document for printed publication including web page development. The use of scanners, digital cameras, video and audio applications, selection of hardware and cross-platform software interface, design and practical applications of networks will also be highlighted. Credits: 3

AET 4823 - Facility Security.

(3-0-3) F, S. This course is designed to prepare students to study facility security including: 1) monitoring personnel and their movements, 2) monitoring incoming and outgoing raw materials, 3) tracking finished goods and services, 4) protecting processes and equipment, 5) physical security, and 6) securing utilities (water, electric, etc.) Credits: 3

AET 4833 - Automatic Identification and Data Capture.

(2-2-3) F, S. A study of the methods and systems used to automatically identify objects. Various forms of keyless data entry and capture through class and lab experience will be studied; bar coding, scanning, radio frequency identification (RFID), voice data entry, vision, biometrics, and other systems. Credits: 3

AET 4843 - Statistical Quality Assurance.

(3-0-3) F, S. Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies. **Prerequisites & Notes:** AET 1323 and BUS 2810 or MAT 2250G. Credits: 3

AET 4853 - Polymers and Composites.

(2-2-3) S. Study of polymeric and composite material fundamentals, manufacturing processes and applications including plastics and rubber, polymeric composites and other composite materials. **Prerequisites & Notes:** AET 1263; PHY 1151G, 1152G or 1351G, 1352G; and CHM 1310G and 1315G. Credits: 3

AET 4863 - Packaging Technologies.

(2-2-3) On-Demand. Detailed study of the practical applications of package design for specific products including membrane switches, and theory of Radio Frequency Identification (RFID) printing processes. Specialty inks and coatings such as conductive inks, UV inks, food-grade inks, and microencapsulated inks will be explored. **Prerequisites & Notes:** AET 1363, AET 3343, junior standing; or permission of instructor. Credits: 3

AET 4873 - Current Trends in Energy Technology.

(3-0-3) On Demand. A comparative study of the trends, analyses, and policies of alternative energy technologies as applied to the availability of the technology and how it can be incorporated into commercial, residential, industrial, and other processes. Credits: 3

AET 4943 - Manufacturing Management.

(3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation. **Prerequisites & Notes:** AET 1323 and MAT 2120G or 1441G. WI Credits: 3

AET 4953 - Color Management Technologies.

(2-2-3) S or F. Application of color theories, digital color reproduction, and quality control processes as they apply to color in the industries of printing, textiles, and web generated images. **Prerequisites & Notes: Applied Engineering and Technology Majors:** AET 3343, Digital Media Technologies; **Family & Consumer Sciences Majors:** FCS 2244, Consumer Textiles: Care and Production, and FCS 3245, Textiles: Color Design Production; or permission of the instructor. Credits: 3

AET 4970 - Special Topics in Technology.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970A - Special Topics in Technology I.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970B - Special Topics in Technology II.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970D - Special Topics in Technology III.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970E - Special Topics in Technology IV.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970F - Special Topics in Technology V.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970H - Special Topics in Technology VI.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970I - Special Topics in Technology VII.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970J - Special Topics in Technology VIII.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

AET 4970K - Special Topics in Technology IX.

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 4

ART (ART)**ART 1000 - Drawing I.**

(0-6-3) F, S. Instruction in basic drawing concepts and techniques in black and white media. **Prerequisites & Notes:** Art majors, minors, Special Education majors with art area or permission of instructor. Credits: 3

ART 1001 - Drawing II.

(0-6-3) F, S. Instruction in drawing from observation, intermediate drawing concepts, and techniques in color and black and white media. **Prerequisites & Notes:** Art 1000. Course may not be repeated. Credits: 3

ART 1110 - Two-Dimensional Foundations.

(0-6-3) F, S. A foundation studio course exploring the basic elements of visual organization through two-dimensional design principles and theories using a variety of materials and processes. **Prerequisites & Notes:** Art majors, minors, Special Education majors with art area or permission of instructor. Credits: 3

ART 1111 - Three-Dimensional Foundations.

(0-6-3) F, S. A Foundation studio course exploring the basic elements of visual organization through three-dimensional design principles and theories using a variety of materials and processes. **Prerequisites & Notes:** ART 1110 or permission of instructor. Credits: 3

ART 2000 - Life Drawing I.

(0-6-3) F, S. Study of human form as a subject of graphic expression. Use of various media in figure drawing investigated. **Prerequisites & Notes:** ART 1000. Credits: 3

ART 2012G - Nonwestern Fine Arts.

(3-0-3) F, S. Fine Arts from outside the European and North American traditions will be examined. Credit will not be awarded for THA 2012G in addition to ART 2012G. **F2 903N** WI Credits: 3

ART 2050 - Painting I.

(0-6-3) F, S. Introduction to oil painting as a medium of expression, investigation of media usage, color development, variety of picture-making ideas and instruction in basic painting craftsmanship. **Prerequisites & Notes:** ART 1000, ART 1110 or ART 2310G, ART 2500 or permission of instructor. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2100 - Sculpture I.

(0-6-3) F, S. Introduction to the basic sculptural processes with an emphasis on studio safety, creativity, and the application of design principles. **Prerequisites & Notes:** ART 1111 and ART 2500 or permission of instructor. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2250 - Ceramics I.

(0-6-3) F, S. Introduction to various hand-building techniques, decorative methods, the firing process and the use of the potter's wheel. **Prerequisites & Notes:** ART 2500 or permission of instructor. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2300 - African-American Art.

(3-0-3) On Demand. Contribution of the African-American people to the art of the western world. **F2 906D** Credits: 3

ART 2310G - Introduction to Art.

(1-4-3) F, S. An introductory study of the visual arts with the emphasis on developing student awareness and appreciation of aesthetics, design principles, concepts, media, and techniques that are primarily applicable to two-dimensional art forms. Not open to Art majors. Credits: 3

ART 2330G - Art Appreciation.

(3-0-3) F, S. An introduction to the appreciation of the visual arts. This course will examine important examples of visual art drawn from a wide variety of media and cultures. The focus will be on helping students understand and appreciate how visual art works are made and how they function and communicate within their societal contexts. Not open to Art majors. **F2 900** Credits: 3

ART 2400 - Introduction to Art Education.

(3-0-3) F. Introduction to the philosophical foundations of the field of Art Education and the various contexts within which art teaching functions. Twenty clock hours of pre-student teaching experience included. WI **Prerequisites & Notes:** Enrollment in the Art Education option. Credits: 3

ART 2500 - Health and Safety in the Visual Arts.

(1-0-1) F, S. An introduction to health and safety issues for the visual artist, art educator, and individuals utilizing art supplies, technologies, and/or processes. This course is required in the first semester of study as an art major or prior to taking any 2000-level or higher art studio media course. Credits: 1

ART 2560 - Printmaking I.

(0-6-3) F, S. Survey and exploration of methods of printmaking. **Prerequisites & Notes:** ART 1000, 2500 or permission of instructor. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2601G - History of Art I.

(3-0-3) F, S. Introduction to the history of visual art through the 14th century. Emphasis will be placed on learning how to correlate the historical context of cultures with the artwork. **F2 901** Credits: 3

ART 2602G - History of Art II.

(3-0-3) F, S. Survey of the visual arts, early Renaissance to the present. The emphasis in this course is on the artwork as an expression of the ideas and values of the community which produced it. **F2 902; ART 902** Credits: 3

ART 2691G - History of Art I, Honors.

(3-0-3) On Demand. Introduction to the history of visual art through the 14th century. Emphasis will be placed on learning how to correlate the historical context of cultures with the artwork. **WI Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

ART 2692G - History of Art II, Honors.

(3-0-3) On Demand. A survey of the visual arts, early Renaissance to the present. The emphasis in this course is on the artwork as an expression of the ideas and values of the community which produced it. **WI Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

ART 2700 - Jewelry and Metalsmithing I.

(0-6-3) F, S. Fundamental techniques in the construction and decorative processes of metalsmithing and jewelry design. **Prerequisites & Notes:** ART 1110, 1111, 2500 or permission of instructor. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2749 - Research Methods and Professional Practices.

(1-0-1) F, S. The Research Methods and Professional Practices course provides art students with an introduction to the basic skills necessary to document and digitally format artwork; as well as research, evaluate, and write about art in preparation for a career in Studio Art, Art Education and Art History. Course restricted to Art Majors. Credits: 1

ART 2910 - Introduction to Graphic Design.

(0-6-3) F, S. Concept and communication development of black-and-white compositional studies and an introduction to color applications. **Prerequisites & Notes:** ART 1110, 1111, and 2500. ART 2500 may be taken concurrently with this course. Credits: 3

ART 2920 - Graphic Abstractions.

(0-6-3) S. Simplification of an object into black-and-white form and subsequent color translations. **Prerequisites & Notes:** ART 1110, 1111, and 2500. ART 2500 may be taken concurrently with this course. Credits: 3

ART 3000 - Drawing III.

(0-6-3) On Demand. Study of advanced drawing concepts and techniques. Traditional and nontraditional media used towards the development of a personal style. **Prerequisites & Notes:** ART 1001. Credits: 3

ART 3001 - Drawing IV.

(0-6-3) On Demand. Continuation of ART 3000 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 3000. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 3051 - Painting II.

(0-6-3) F, S. Painting as a method of personal expression explored. Instruction in concepts and organization of two-dimensional forms as related to the individual student's investigation of painting. **Prerequisites & Notes:** ART 2050. Credits: 3

ART 3052 - Painting III.

(0-6-3) F, S. Continuation of ART 3051. **Prerequisites & Notes:** ART 3051. Credits: 3

ART 3080 - Watercolor I.

(0-6-3) On Demand. Painting course in transparent waterbase media; instruction in various technical methods of watercolor. **Prerequisites & Notes:** ART 2050 or permission of instructor. Credits: 3

ART 3081 - Watercolor II.

(0-6-3) On Demand. Continuation of ART 3080 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 3080. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 3111 - Sculpture II Additive/Constructed.

(0-6-3) F, S. Research design and fabricate sculptures using additive/constructed methodologies utilizing primarily wood, found objects and other easily manipulated materials. Some personal protective equipment (PPE) required. **Prerequisites & Notes:** ART 2100. Credits: 3

ART 3112 - Sculpture III Metal Fabrication.

(0-6-3) F, S. Research design and fabricate sculptures utilizing welded steel and cold connected metal as the primary materials. Some personal protective equipment (PPE) required. **Prerequisites & Notes:** ART 2100. Credits: 3

ART 3113 - Sculpture IV Casting.

(0-6-3) F, S. Research design, model and cast sculptures utilizing basic foundry processes and materials. Some personal protective equipment (PPE) required. **Prerequisites & Notes:** ART 2100. Credits: 3

ART 3200 - Digital Art I.

(3-3-3) F, S. An introduction to the concepts, principles and techniques related to the use of computers and digital technology as a visual arts medium, and as a means toward creative self expression. **Prerequisites & Notes:** ART 2500, ART 1000 and ART 1110 (or equivalent) or permission of instructor. Credits: 3

ART 3201 - Digital Art II.

(3-3-3) F, S. Continuation of ART 3200 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 3200. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 3251 - Ceramics II.

(0-6-3) F, S. Projects in hand building and/or throwing; study of glaze materials and glaze calculation. **Prerequisites & Notes:** ART 2250. Credits: 3

ART 3252 - Ceramics III.

(0-6-3) F, S. Continuation of ART 3251. **Prerequisites & Notes:** ART 3251. Credits: 3

ART 3340G - Multicultural Aesthetics.

(1-4-3) F, S. The study of cultural aesthetics through the comparison of art within different societies. Lecture, studio, and writing experiences will introduce students to the culturally significant meaning of different art forms. Not open to students whose major or minor is art. Credits: 3

ART 3400 - Art Education for Elementary Schools.

(2-3-3) S. A lecture, discussion, and pre-student teaching experience course designed to present art education students with concepts, procedures, and experiences used in teaching art activities to children at the elementary level. Students will accrue pre-clinical observation hours. Art 3400 must be taken concurrently with Art 3405. Required for and open only to Art Education majors. **Prerequisites & Notes:** Admission to Art Education Program, Teacher Education Program, and Art 2400. Credits: 3

ART 3405 - Art Education for Elementary Schools Studio.

(0-6-3) S. This is a studio intensive course designed to present art education students with experience using art media and techniques appropriate for the elementary and middle school. In addition to studio techniques students will develop objectives and lesson plans. The studios are designed to reinforce and enhance reading assignments, activities, discussion in ART 3400. Must be taken concurrently with ART 3400. **Prerequisites & Notes:** ART 2400, admission to the Art Education Program, and admission to the College of Education Teacher Certification Program. Credits: 3

ART 3410 - Art Education for Secondary Schools.

(2-3-3) F. Philosophy relating to teaching art in the junior/senior high school with studio and pre-student teaching experience. ART 3410 must be taken concurrently with ART 3415. Required for and open only to Art Education majors, and Special Education majors with art area. WI **Prerequisites & Notes:** ART 3400 and 3405; EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Special Education majors with art area, MLE 3110. Credits: 3

ART 3415 - Art Education for Secondary Schools Studio.

(0-6-3) F. This is a studio intensive course designed to present art education students with experiences using art media and techniques appropriate for the secondary level. In addition to studio techniques, students will write lesson plans correlating to the studio activities. The studio activities are designed to reinforce and enhance reading assignments, activities and discussions in ART 3410. Must be taken concurrently with ART 3410. WI **Prerequisites & Notes:** ART 3400, ART 3405, admission to the Art Education Program, and admission to the College of Education Teacher Certification Program. Credits: 3

ART 3440 - Art for Teachers in the Elementary Grades.

(2-2-2) On Demand. A methods course for elementary education students in the teaching of art education to children from grades K-6. The course will identify art content, art media, and instructional pedagogy appropriate for teaching art at the elementary level. **Prerequisites & Notes:** Enrollment in Elementary Education, Middle Level Education, or Special Education. Preference given to students with university approval to take Teacher Education courses. Credits: 2

ART 3570 - Printmaking II.

(0-6-3) F, S. Intensive exploration of methods of printmaking with emphasis on new approaches to personal expression. **Prerequisites & Notes:** ART 2560. Credits: 3

ART 3571 - Printmaking III.

0-6-3) F, S. Continuation of ART 3570. Further mastery of the media is stressed. **Prerequisites & Notes:** ART 3570. Credits: 3

ART 3610G - African Art.

(3-0-3) S-even-numbered years. Comprehensive study of the styles and functions of African Arts. WI Credits: 3

ART 3611G - Art in India and Southeast Asia.

(3-0-3) F-even-numbered years. History of the Art of India and Southeast Asia from ancient times to the present. WI Credits: 3

ART 3612G - Art in China and Japan.

(3-0-3) S-odd-numbered years. History of the Art of China and Japan from ancient times to the present. WI Credits: 3

ART 3630 - Greek and Roman Art.

(3-0-3) F-even-numbered years. Art and architecture studied in the context of the Greek and Roman cultures, ca. 1500 B.C. to 300 A.D. **Prerequisites & Notes:** ART 2601G. Credits: 3

ART 3641 - Early Medieval Art.

(3-0-3) F-odd-numbered years. Survey of the visual arts in the societies of western Europe, Byzantium, Islam from late antiquity through the tenth century in Western Europe. **Prerequisites & Notes:** ART 2601G. Credits: 3

ART 3642 - Romanesque and Gothic Art.

(3-0-3) S-even-numbered years. Survey of the visual arts in the societies of Western Europe, Byzantium and Islam from the eleventh to fifteenth centuries. **Prerequisites & Notes:** ART 2601G. Credits: 3

ART 3651 - Italian Renaissance Art: Fifteenth Century.

(3-0-3) F-even-numbered years. Development of style and iconography in fifteenth-century Italian art. **Prerequisites & Notes:** ART 2602G. Credits: 3

ART 3652 - Italian Renaissance Art: Sixteenth Century.

(3-0-3) S-odd-numbered years. Development of style and iconography in sixteenth-century Italian art: High Renaissance and Mannerism. **Prerequisites & Notes:** ART 2602G. Credits: 3

ART 3660 - Baroque Art.

(3-0-3) F-odd-numbered years. Study of the Baroque style in Italy and Northern Europe. **Prerequisites & Notes:** ART 2602G. Credits: 3

ART 3670 - Nineteenth-Century Art.

(3-0-3) On Demand. Leading artists, movements, and trends during the 19th century in the art of Western Europe and the United States, with emphasis on France. **Prerequisites & Notes:** ART 2602G. Credits: 3

ART 3680 - Modern Art.

(3-0-3) F. Major artists, developments, and significant achievements in painting and sculpture, 1880-1947. **Prerequisites & Notes:** ART 2602G. Credits: 3

ART 3681 - Contemporary Art.

(3-0-3) S. An investigation of the visual area since 1945. Focusing on new media, this course will evaluate the enormous range of artistic production from this period. Topics will include a consideration of representation, cross-cultural artworks, authorship, and popular culture. **Prerequisites & Notes:** ART 2602G Credits: 3

ART 3685 - Women in Art.

(3-0-3) S-odd-numbered years. A study and evaluation of the place of women in the history of art. The course will cover both the images of women conveyed in the art of various periods and the contributions of individual women artists from the Middle Ages to the present. The social conditions contributing to attitudes about women and to the success or failure of women in the professional role of artist will be emphasized. Credits: 3

ART 3701 - Jewelry and Metalsmithing II.

(0-6-3) F, S. Advanced problems in functional and non-functional metalsmithing. A continuing development of the previously learned fundamentals in metal construction and introducing basic silversmithing processes. **Prerequisites & Notes:** ART 2700 or permission of the instructor. Credits: 3

ART 3702 - Jewelry and Metalsmithing III.

(0-6-3) F, S. A continuation of ART 3701 further mastery of techniques. **Prerequisites & Notes:** ART 3701. Credits: 3

ART 3910 - Typography I.

(0-6-3) F. An introduction to letterform design, including the analysis of existing classical typefaces and the development of new variations. Emphasis will be on observations of the salient issues regarding legibility and readability, form and counterform, and what qualities and attributes constitute a font and family of type. The observations from this research will then be applied to abstract symbol design. **Prerequisites & Notes:** ART 2910, 2920 and admission into the Graphic Design option. Credits: 3

ART 3911 - Graphic Design I.

(0-6-3) F. An introduction to drawing of illustrations as visual symbols with an emphasis on communication development and the semantics of symbol juxtapositions. **Prerequisites & Notes:** ART 2910, 2920 and admission into the Graphic Design option. Credits: 3

ART 3912 - Interactive/Motion Graphics I.

(0-6-3) F. An introduction to effective visual problem-solving in interactive/motion graphics design. Fundamentals of interactive media will be emphasized. **Prerequisites & Notes:** ART 2910 and ART 2920 (May not be taken concurrently.) Course restricted to students admitted to the BFA in Art Graphic Design Option. Credits: 3

ART 3920 - Typography II.

(0-6-3) S. An introduction to text and display type exercises. Emphasis will be on the development of typographic hierarchical structure within a given design problem. **Prerequisites & Notes:** ART 3910 and 3911. Credits: 3

ART 3921 - Graphic Design II.

(0-6-3) S. An Introduction to the application of illustration and symbols to the interpretation and communication of complex data. **Prerequisites & Notes:** ART 3910 and 3911. Credits: 3

ART 3922 - Interactive/Motion Graphics II.

(0-6-3) S. Effective visual problem-solving in interactive/motion graphics design. Fundamentals of animation/motion design will be emphasized. **Prerequisites & Notes:** ART 3912 (May not be taken concurrently.) Course restricted to students admitted to the BFA in Art Graphic Design Option. Credits: 3

ART 3940 - History of Graphic Design.

(3-0-3) F. The history of graphic design from the 19th century to the present. **Prerequisites & Notes:** ART 2602. Credits: 3

ART 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

ART 4000 - Life Drawing II.

(0-6-3) F, S. Study of advanced drawing concepts and techniques. Traditional and nontraditional media used towards the development of a personal style. **Prerequisites & Notes:** ART 2000 or the permission of the instructor. Credits: 3

ART 4001 - Life Drawing III.

(0-6-3) F, S. Continuation of ART 4000 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 4000. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 4051 - Painting IV.

(0-6-3) F, S. Advanced study of painting as development in personal expression through individual students' painting problems and investigations; professional craftsmanship stressed. Open to choice of medium. **Prerequisites & Notes:** ART 3052 or two semesters of ART 3080. Credits: 3

ART 4052 - Painting V.

(0-6-3) F, S. Continuation of ART 4051 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 4051. Credits: 3

ART 4053 - Painting VI.

(0-6-3) F, S. Continuation of ART 4052 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 4052. May be repeated once with permission of the Art Department Chair for credit. Credits: 3

ART 4111 - Sculpture V.

(0-6-3) F, S. Advanced study in sculpture focused on the mastery of a personal direction with a concentration on one or a series of concepts. One sculptural process (additive/constructed, metal fabrication, modeled/cast) to be explored in depth. **Prerequisites & Notes:** ART 3111 or 3112 or 3113. Credits: 3

ART 4112 - Sculpture VI.

(0-6-3) F, S. Continuation of ART 4111 with increasing mastery of a personal style and sculptural processes. **Prerequisites & Notes:** ART 4111. Credits: 3

ART 4113 - Sculpture VII.

(0-6-3) F, S. Continuation of ART 4112 with increasing mastery of a personal style and sculptural processes. **Prerequisites & Notes:** ART 4112. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 4251 - Ceramics IV.

(0-6-3) F, S. Development of techniques and processes to a level of professional attainment; emphasis upon growth in area of student's interest. **Prerequisites & Notes:** ART 3252. Credits: 3

ART 4252 - Ceramics V.

(0-6-3) F, S. Continuation of ART 4251 with increasing depth of mastery. **Prerequisites & Notes:** ART 4251. Credits: 3

ART 4253 - Ceramics VI.

(0-6-3) F, S. Continuation of ART 4252 with increasing depth of mastery. **Prerequisites & Notes:** ART 4252. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 4275 - Internship.

(Arr.-Arr.-1-15) (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of six semester hours may be counted as art elective credit in the Art major. **Prerequisites & Notes:** Junior standing, appropriate course work, permission of the Art Department chair and internship supervisor, and acceptance of the student by a business or agency. Credits: 1 to 15

ART 4400 - Independent Study I.

(Arr.-Arr.-1-3) Work in special problems selected to fulfill needs of the student. **Prerequisites & Notes:** Individual plan and permission of the instructor and the department chairperson, plus nine semester hours in the area of proposed study. A maximum of six semester hours may be earned in a combination of 4400, 4401, and 4402. May be repeated once. Credits: 1 to 3

ART 4401 - Independent Study II.

(Arr.-Arr.-1-3) Work in special problems selected to fulfill needs of the student. **Prerequisites & Notes:** Individual plan and permission of the instructor and the department chairperson, plus nine semester hours in the area of proposed study. A maximum of six semester hours may be earned in a combination of 4400, 4401, and 4402. May be repeated once. Credits: 1 to 3

ART 4402 - Independent Study III.

(Arr.-Arr.-1-3) Work in special problems selected to fulfill needs of the student. **Prerequisites & Notes:** Individual plan and permission of the instructor and the department chairperson, plus nine semester hours in the area of proposed study. A maximum of six semester hours may be earned in a combination of 4400, 4401, and 4402. May be repeated once. Credits: 1 to 3

ART 4580 - Printmaking IV.

(0-6-3) F, S. Individual selection of printmaking processes and problems. **Prerequisites & Notes:** ART 3571. Credits: 3

ART 4581 - Printmaking V.

(0-6-3) F, S. Continuation of ART 4580 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 4580. Credits: 3

ART 4582 - Printmaking VI.

(0-6-3) F, S. Continuation of ART 4581 with further mastery of the subject matter and techniques. **Prerequisites & Notes:** ART 4581. May be repeated with permission of the Art Department Chair. Credits: 3

ART 4701 - Jewelry and Metalsmithing IV.

(0-6-3) F, S. Advanced problems in silversmithing and development of senior portfolio. **Prerequisites & Notes:** ART 3702. Credits: 3

ART 4702 - Jewelry and Metalsmithing V.

(0-6-3) F, S. Continuation of ART 4701 with further mastery of techniques. **Prerequisites & Notes:** ART 4701. Credits: 3

ART 4703 - Jewelry and Metalsmithing VI.

(0-6-3) F, S. Continuation of ART 4702 with further mastery of techniques. **Prerequisites & Notes:** ART 4702. May be repeated once with permission of the Art Department Chair. Credits: 3

ART 4740 - Issues in Art Education.

(3-0-3) S. Study of the major theories and issues which have played important roles in shaping the character of contemporary art education. WI **Prerequisites & Notes:** ART 3400, 3410, or permission of the instructor. Credits: 3

ART 4749 - Senior Portfolio.

(Arr.-Arr.-0) F, S. (Credit/No Credit) Students in the BFA in Studio Art Option or Graphic Design Option demonstrate competency in the major through submission of a senior portfolio. Portfolio requirements and submission time line are available from the department office. Co-requisites: Enrollment in a 4000-level Studio Art or Graphic Design course. **Prerequisites & Notes:** Senior standing in either the BFA in Art with Option in Studio Art or the BFA in Art with Option in Graphic Design. Credits: 0

ART 4755 - Special Topics in Art I.

(Arr.-Arr.-1-3) On Demand. Study of special topics in Art and Art History that are not ordinarily covered in existing courses. Topics to be announced. **Prerequisites & Notes:** Junior standing and a minimum of five courses in Art with one being an Art History course or permission of the instructor. May be repeated once on a different topic with permission of the department chair. Credits: 1 to 3

ART 4756 - Special Topics in Art II.

(Arr.-Arr.-1-3) On Demand. Study of special topics in Art and Art History that are not ordinarily covered in existing courses. Topics to be announced. May be repeated for credit on a different topic with permission of the department chair. **Prerequisites & Notes:** Junior standing and a minimum of five courses in Art with one being an Art History course or permission of instructor. May be repeated once on a different topic with permission of the department chair. Credits: 1 to 3

ART 4765 - Twentieth-Century American Painting and Sculpture.

(3-0-3) F. A study of major American artists, movements, and tendencies that have developed since 1908. WI **Prerequisites & Notes:** ART 2601G and ART 2602G or permission of instructor. Credits: 3

ART 4775 - Seminar in Twentieth-Century Art History and Criticism.

(3-0-3) S. A critical understanding and evaluation of art, art-historical literature, and contemporary criticism, with emphasis on critics, artists and art of the post-World War II period. WI **Prerequisites & Notes:** ART 2601G and ART 2602G or permission of the instructor. Credits: 3

ART 4910 - Typography III.

(0-6-3) F. Advanced visualization studies investigating the application of visual communication concepts to problems involving sequential relationships. **Prerequisites & Notes:** ART 3920 and 3921. May be repeated once with permission of the Art Department Chair; only three semester hours may be accepted as graduate-level credit. Credits: 3

ART 4911 - Graphic Design III.

(0-6-3) F. Advanced application of visual communication concepts to design problems. **Prerequisites & Notes:** ART 3920 and 3921. Credits: 3

ART 4912 - Interactive/Motion Graphics III.

(0-6-3) F. Advanced communication problem-solving, emphasizing the integration of animation/motion graphics and interactive design. **Prerequisites & Notes:** ART 3922. Course restricted to students admitted to the BFA in Art Graphic Design Option. Credits: 3

ART 4920 - Typography IV.

(0-6-3) S. Advanced display and text studies investigating the application of visual communication concepts to problems involving design systems and corporate identity. **Prerequisites & Notes:** ART 4910 and 4911. May be repeated once with permission of the Art Department Chair; only three semester hours may be accepted as graduate-level credit. Credits: 3

ART 4921 - Graphic Design IV.

(0-6-3) S. Advanced visualization studies investigating the application of visual communication concepts to complex design problems. **Prerequisites & Notes:** ART 4910 and 4911. Credits: 3

ART 4922 - Interactive/Motion Graphics IV.

(0-6-3) S. Advanced communication design in interactive and motion media, emphasizing the creation and integration of original video. **Prerequisites & Notes:** ART 4912 (May not be taken concurrently.) Course restricted to students admitted to the BFA in Art Graphic Design Option. Credits: 3

B.A. in GENERAL STUDIES (BGS)**BGS 2985 - Adults in Transition.**

(2-0-2) Designed to assist returning adult students with the transition into academia with an emphasis on writing/communication skills, learning styles, successful learning techniques/practices, program policies/procedures and developing an academic plan of study. WI **Prerequisites & Notes:** Admission to the Board of Trustees BA in General Studies Degree Program or permission of the instructor. Credits: 2

BGS 3001 - BGS Prior Learning Portfolio.

(3-0-3) A writing intensive course focusing on the process of analyzing and documenting a prior learning experience in portfolio form. Emphasis is on analysis of prior learning, information access as it pertains to prior learning assessment and further development of writing skills. WI **Prerequisites & Notes:** Admission to the BGS Degree Program and permission of the instructor. Credits: 3

BGS 4001 - Self-Directed Leadership.

(3-0-3) On Demand. In this capstone course for the B.A. in General Studies degree, students apply the transformative change process, critical thinking skills, and appreciative inquiry concepts to explore the influence of their educational experiences on their professional and personal lives and to assess and develop their self-directed learning and leadership skills. WI **Prerequisites & Notes:** Students must have completed at least 90 hours. Open only to majors in General Studies. Credits: 3

BIOLOGICAL SCIENCES (BIO)**BIO 1001G - Biological Principles and Issues.**

(2-2-3) An introduction to the study of living organisms with emphasis upon an appreciation for their behavioral, functional, and structural adaptations, their diversity and relationship to the environment. In addition, strong emphasis on current issues dealing with the field of biology. Does not count toward the Biological Sciences major or minor. Credit for BIO 1001G will not be granted if the student already has credit for or registration in BIO 1091G or BIO 1100. L1 900L Credits: 3

BIO 1002G - Practical Botany.

(2-2-3) This course will introduce students to the importance of plants in their daily lives. General botanical principles will be taught with emphasis on instructing students in methods of identification, growth and maintenance of plants used in landscaping, gardening, and interiorscaping. Does not count toward the Biological Sciences major or minor. Credit for BIO 1002G will not be granted if the student already has credit for or registration in BIO 1092G or BIO 1200G. Credits: 3

BIO 1003G - Life of Animals.

(2-2-3) An introduction to the study of animals and animal diversity with emphasis on behavioral, functional, and structural adaptations as they relate to specific habitats. Does not count toward the Biological Sciences major or minor. Credit for BIO 1003G will not be granted if the student already has credit for or registration in BIO 1093G or BIO 1300G. Credits: 3

BIO 1004G - Practical Microbiology.

(2-2-3) Using practical laboratory experiences students learn characteristics and activities of microorganisms with special emphasis on their significance to society. This course targets students majoring in Family and Consumer Sciences, Pre-Nursing, and Health Studies. Does not count in the Biological Sciences major or minor. Credit for BIO 1004G will not be granted if the student already has credit for or registration in BIO 1094G or BIO 3300. L1 903L Credits: 3

BIO 1091G - Biological Principles and Issues, Honors.

(2-2-3) The study of the fundamental processes and structures common to all living things. Current issues in the biological sciences will be addressed. Does not count toward the Biological Sciences major or minor. Credit for BIO 1091G will not be granted if the student already has credit for or registration in BIO 1001G or BIO 1100. L1 900L WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

BIO 1092G - Practical Botany, Honors.

(2-2-3) This course will introduce students to the importance of plants in their daily lives. Emphasis will be placed on students learning methods for the identification, growth and maintenance of plants used in landscaping, gardening and the home. Does not count toward the Biological Sciences major or minor. Credit for BIO 1092G will not be granted if the student already has credit for or registration in BIO 1002G or BIO 1200G. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

BIO 1093G - Life of Animals, Honors.

(2-2-3) An introduction to the study of animals with an emphasis upon an appreciation for their behavioral, functional, and structural adaptations, their diversity and relationships to their environment. Does not count toward the Biological Sciences major or minor. Credit for BIO 1093G will not be granted if the student already has credit for or registration in BIO 1003G or BIO 1300G. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

BIO 1094G - Practical Microbiology, Honors.

(1-4-3) Using practical laboratory experiences student will learn characteristics and activities of microorganisms with emphasis on the performance of standard procedures and techniques used to study microbes. The course culminates with a student designed original research project. Does not count toward the Biological Sciences major or minor. Credit for BIO 1094G will not be granted if the student already has credit for or registration in BIO 1004G or BIO 3300. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

BIO 1100 - General Biology.

(3-3-4) An introduction to biology for students majoring in the Biological Sciences with emphasis on understanding the basic principles of biology. Credit not given for General Education. L1 900L; BIO 910 Credits: 4

BIO 1150 - Biology Forum

(1-0-1) The course is designed for freshmen and transfer students majoring in the Biological Sciences to enhance their transition to Eastern Illinois University by introducing them to the Biological Sciences program, providing an overview of the major and core requirements, and addressing specific skill sets necessary for success in the major. These skills include: library expertise, computer competence, and ability to produce and interpret graphs and tables, and critical scientific reading. Students will also meet the Biological Sciences faculty and discover departmental research opportunities and internship opportunities, summer and study abroad programs, career opportunities, and student clubs. Credits: 1

BIO 1200G - General Botany.

(3-3-4) An introduction to the study of bacteria, fungi, algae, bryophytes and vascular plants for students majoring in the biological sciences. BIO 910 **Prerequisites & Notes:** BIO 1100. Credits: 4

BIO 1300G - Animal Diversity.

(3-3-4) A study of the functional anatomy, systematics and natural history of the major groups of animals. BIO 910 **Prerequisites & Notes:** BIO 1100 Credits: 4

BIO 2001G - Human Physiology.

(3-2-4) An organ systems approach to the function of the human body. Does not count toward the Biological Sciences major or minor. Credit for BIO 2001G will not be granted if the student already has credit for or registration in BIO 2091G or BIO 3520. **L1 904L** Credits: 4

BIO 2002G - Environmental Life Sciences.

(3-0-3) A study of the interrelationships of the living and non-living components of the environment, the ecology of humankind, and the interaction of humans with the environment. The course emphasizes current environmental issues and possible solutions and courses of action. Does not count towards the Biological Sciences major or minor. Credit for BIO 2002G will not be granted if the student already has credit for or registration in BIO 2092G or BIO 3850. Credits: 3

BIO 2003G - Heredity and Society.

(3-0-3) A course for non-science majors that addresses the ethical, political, and social implications of heredity and modern genetic technology. Basic genetic principles as well as contemporary issues in biotechnology will be studied. Does not count toward the Biological Sciences major or minor. Credit for BIO 2003G will not be granted if the student already has credit for or registration in BIO 2093G or BIO 3200. Credits: 3

BIO 2091G - Human Physiology, Honors.

(3-2-4) An organ systems approach to the function of the human body. Does not count toward the Biological Sciences major or minor. Credit for BIO 2091G will not be granted if the student already has credit for or registration in BIO 2001G or BIO 3520. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

BIO 2092G - Environmental Life Sciences, Honors.

(4-0-4) A study of the interrelationships of the living and non-living components of the environment, the ecology of humankind, and the interaction of humans with the environment. The course emphasizes current environmental issues and possible solutions and courses of action. Does not count towards the Biological Sciences major or minor. Credit for BIO 2092G will not be granted if the student already has credit for or registration in BIO 2002G or BIO 3850. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

BIO 2093G - Heredity and Society, Honors.

(4-0-4) A course for non-science majors that addresses the ethical, political, and social implications of heredity and modern genetic technology. Basic genetic principles as well as contemporary issues in biotechnology will be studied. Does not count toward the Biological Sciences major or minor. Credit for BIO 2093G will not be granted if the student already has credit for or registration in BIO 2003G or BIO 3200. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

BIO 2200 - Human Anatomy.

(3-3-4) Models and cadaver study of normal human structure of muscular, skeletal, respiratory, cardiovascular, lymphatic, nervous, digestive, and urogenital systems. **Prerequisites & Notes:** BIO 1001G or BIO 1100, and BIO 2001G or BIO 1300G, or permission of the instructor. Credits: 4

BIO 2320 - Economic Botany – Role of Plants in the World Economy.

(3-0-3) S. The impact of plants and plant products on the world economy, with emphasis on the U. S. economy. Course also includes information on the origin, development, diversity and future impact of plants and plant products on the world economy. **Prerequisites & Notes:** BIO 1200G or permission of the instructor. Credits: 3

BIO 3003G - An Introduction to Evolution.

(3-0-3) Course is for EIU programs that are exclusively online or off-campus (technology delivered), or non-BIO majors (traditional delivery only). A survey of the history, evidence, mechanisms and implications of evolutionary theory. Topics covered include natural selection, fossil

formation, Mendelian genetics, attitudes towards evolutionary theory, and evolution of Homo sapiens. This course does not count toward Biological Sciences major or minor. Credits: 3

BIO 3120 - Molecular and Cellular Biology.

(2-4-4) F, S. A class on the biology of cells, with respect to the structures, functions, and interactions of biomolecules and organelles, to help students understand the molecular underpinnings of life. The laboratory portion of the class provides integrated experiments to allow students to learn and practice basic molecular biology techniques. Course replaces former courses BIO 3100 and BIO 3101. **Prerequisites & Notes:** BIO 1100, CHM 1410, and CHM 1415. Credits: 4

BIO 3200 - Genetics.

(3-2-4) The fundamental principles of genetics (classical, molecular, and population) stressing applications to all organisms. **Prerequisites & Notes:** BIO 3120 or CHM 3450. Credits: 4

BIO 3210 - Immunology.

(2-3-3) Basic principles and laboratory procedures for the study of immune responses. **Prerequisites & Notes:** BIO 3120 or BIO 3200 or concurrent enrollment. Credits: 3

BIO 3300 - General Microbiology.

(2-4-4) An introduction to the biology of prokaryotic and eukaryotic microorganisms. Emphasis is placed on bacteria and their chemical composition and structure, classification, growth, physiology, genetics, diversity, pathogenicity, ecology, and economic importance. The laboratory will include principles and techniques for the isolation, cultivation, enumeration, and characterization of microorganisms. **Prerequisites & Notes:** BIO 1100. Credits: 4

BIO 3312 - Horticulture.

(2-2-3) The principles and practices of indoor and outdoor home gardening with emphasis on practical applications of horticulture. **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 3322 - Dendrology.

(2-3-3) The identification of common native, naturalized, and planted trees, shrubs, and vines of Illinois, their life histories, wood structure, ecology, and economic significance. The biotic divisions of Illinois and major forest regions of North America are also stressed. **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 3400 - Methods of Teaching Biological Sciences in High School.

(2-2-3) A study of teaching techniques including the collection and use of materials for demonstrations and laboratory experiments. Thirty clock hours in pre-student teaching are required. **Prerequisites & Notes:** EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

BIO 3450A - Independent Study I.

(Arr.-Arr.-1-3) (Credit/No Credit) Individual study on a topic in biology selected by the student under the supervision of an instructor. May be repeated once for credit. **Prerequisites & Notes:** BIO 1100, 1200G, 1300G and permission of the department chairperson and instructor. This course is not intended for students who wish to complete a research project. Credits: 1 to 3

BIO 3450B - Independent Study II.

(Arr.-Arr.-1-3) (Credit/No Credit) Individual study on a topic in biology selected by the student under the supervision of an instructor. May not be repeated for elective credit. **Prerequisites & Notes:** BIO 1100, 1200G, 1300G and permission of the department chairperson and instructor. This course is not intended for students who wish to complete a research project. Must complete BIO 3450A twice. Credits: 1 to 3

BIO 3451A - Undergraduate Research I.

(Arr.-Arr.-1-3) (Credit/No Credit) Original research in Biological Sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Hypothesis formation, bench work, data collection/analysis become the responsibility of each student. Written report required. May be repeated once for credit to a maximum of three semester hours for elective credit in the major from BIO 3451A and 3451B. **Prerequisites & Notes:** BIO 1100, 1200G, 1300G and approval of instructor and department chairperson. Credits: 1 to 3

BIO 3451B - Undergraduate Research II.

(Arr.-Arr.-1-2) (Credit/No Credit) Original research in Biological Sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Hypothesis formation, bench work, data collection/analysis become the responsibility of each student. Written report required. May be repeated once for credit to a maximum of three semester hours for elective credit in the major from BIO 3451A and 3451B. **Prerequisites & Notes:** BIO 1100, 1200G, 1300G and approval of instructor and department chairperson. Must have completed BIO 3451A twice. Credits: 1 to 2

BIO 3510 - Plant Physiology.

(2-4-4) The study of water relations, mineral nutrition, phytohormones, photosynthesis, respiration and physiological ecology. **Prerequisites & Notes:** BIO 1200G and BIO 3120; or CHM 3450. Credits: 4

BIO 3520 - Animal Physiology.

(3-3-4) A study of basic principles of animal physiology with emphasis on mammalian organ systems. **Prerequisites & Notes:** BIO 3120 or CHM 3450. Credits: 4

BIO 3612 - Plant Evolution and Diversity.

(2-3-3) The morphology, anatomy, life cycles, and evolutionary history of plants, including bryophytes, ferns and fern allies, gymnosperms, and angiosperms. **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 3620 - Functional Comparative Anatomy.

(2-4-4) A study of vertebrate anatomy, emphasizing the evolution of form and function of structures. Laboratory dissection of representative vertebrates. **Prerequisites & Notes:** BIO 1300G and junior-level standing. Credits: 4

BIO 3622 - Embryology.

(2-4-4) Systematic examination of the mechanisms that underlie animal development from a single-cell to a multicellular organism. Morphological studies emphasize selected embryonic stages in echinoderms, amphibians, birds, and mammals. **Prerequisites & Notes:** BIO 1300G. Credits: 4

BIO 3624 - Histology.

(1-4-3) The structure and function of tissues, primarily human. Laboratory study is combined with discussion of normal tissue structures. **Prerequisites & Notes:** BIO 2200 or equivalent, or permission of the instructor. Credits: 3

BIO 3710 - Plant – Animal Interactions.

(3-0-3) S-even-numbered years. The course examines diverse interactions between plants and animals, including exploitative, commensal, and mutualistic relationships, as well as those indirectly affecting or mediated by third parties involved in multi-trophic interactions, such as fungi and bacteria. **Prerequisites & Notes:** BIO1200G and BIO1300G. Credits: 3

BIO 3740 - Clinical Mycology.

(3-0-3) F. An introduction to the fungi which cause superficial, subcutaneous and systemic infections in humans and other vertebrate organisms with an emphasis on the history, classification, morphology, epidemiology, pathogenesis, histopathology, clinical treatment and prevention of the diseases fungi cause. **Prerequisites & Notes:** BIO 1200G and BIO 1300G or permission of instructor. Credits: 3

BIO 3800 - Ecology.

(3-3-4) The interrelationships of plants and animals with their biotic and abiotic environments. Emphasis will be placed upon principles of population and community ecology. **Prerequisites & Notes:** BIO 1200G and BIO 1300G. Credits: 4

BIO 3810 - Freshwater Ecology.

(1-4-3) The physical environment and biological communities involved in fresh water ecosystems. **Prerequisites & Notes:** BIO 1200G, 1300G, CHM 1310G, and 1315G. Credits: 3

BIO 3850 - Environmental Biology.

(2-3-3) On Demand. An introduction to the principles of environmental sciences for biology majors. This course investigates the foundations of environmental science with particular attention to environmental problems from a biological perspective and the costs and benefits to their "solutions" from the local to global scale. This course pays particular attention to how to analyze, interpret and present scientific information in the life sciences. **Prerequisites & Notes:** BIO 1200G and BIO 1300G or permission of instructor. Credits: 3

BIO 3888G - Subtropical and Marine Ecology.

(Arr.-Arr.-4) Su. The identification, natural history, and ecology of the flora and fauna of the Bahamas. This course will include a mandatory, week-long field experience to Fofar Field Station on Andros Island, Bahamas. Preference given to students with relevant experience in biology. **Prerequisites & Notes:** Permission of instructor. Credits: 4

BIO 3950 - Vertebrate Natural History.

(2-3-3) The natural history of vertebrates including distribution, reproduction, behavior, evolution, and phylogeny. **Prerequisites & Notes:** BIO 1300G. Credits: 3

BIO 3952 - Invertebrate Natural History.

(2-3-3) Natural history, including distribution and habitat utilization; reproduction, behavior, and life histories; identification, classification and evolution of terrestrial and aquatic invertebrates. Emphasis on major groups in the Midwest. **Prerequisites & Notes:** BIO 1300G. Credits: 3

BIO 3960A - Special Topics.

(Arr.-Arr.-1-4) On Demand. Reading discussions, reports, on-campus and off-campus fieldwork on topics in biological sciences not ordinarily treated in existing courses. Topics to be announced. May be repeated once to a maximum of eight semester hours of credit in BIO 3960 courses with permission of the department chairperson. **Prerequisites & Notes:** BIO 1100, 1200G, 1300G and permission of the department chairperson and instructor. Credits: 1 to 4

BIO 3960B - Special Topics.

(Arr.-Arr.-1-4) On Demand. Reading discussions, reports, on-campus and off-campus fieldwork on topics in biological sciences not ordinarily treated in existing courses. Topics to be announced. May be repeated once to a maximum of eight semester hours of credit in BIO 3960 courses with permission of the department chairperson. **Prerequisites & Notes:** BIO 3960A (twice) and permission of the department chairperson and instructor. Credits: 1 to 4

BIO 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

BIO 4275 - Internship.

(Arr.-Arr.-6 or 12) (Credit/No Credit) Employment experience in one or more phases of the Biological Sciences for one semester with an agency or firm approved by the environmental biology coordinator. A formal written report of the internship experience is required. The course may be repeated once for a total of not more than 12 hours. **Prerequisites & Notes:** Only open to students in Environmental Biology option. At least 90 semester hours of work in Biological Sciences program; completion of at least one advanced ecology course; minimum cumulative GPA or major GPA of 2.25; approval of the environmental biology coordinator. Credits: 6 or 12

BIO 4400A - Teaching in the Lab I.

(Arr.-Arr.-1) (Credit/No Credit) Experience assisting and supervising in a biological lab setting. Students work under the direction of the course instructor. May be repeated for credit once. **Prerequisites & Notes:** Completion of the course in which the student is assisting with a grade of B or higher and permission of the instructor. Credits: 1

BIO 4400B - Teaching in the Lab II.

(Arr.-Arr.-1) (Credit/No Credit) Experience assisting and supervising in a biological lab setting. Students work under the direction of the course instructor. May be not repeated. **Prerequisites & Notes:** Completion of 2 semester hours of BIO 4400A. Credits: 1

BIO 4444 - Honors Independent Study.

(Arr.-Arr.-1-3) Consideration of special topics in Biological Sciences. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. May be taken twice for credit. Credits: 1 to 3

BIO 4555 - Honors Research.

(Arr.-Arr.-1-3) Original experimental or theoretical research in Biological Sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors coordinator. May be taken twice for credit up to six semester hours. Credits: 1 to 3

BIO 4644 - Honors Thesis.

(Arr.-Arr.-3) Original research in preparation of a thesis on a topic in Biological Sciences approved by faculty supervisor and the Departmental Honors Coordinator. Students in the Biological Sciences Honors Program must take at least 3 credit hours of thesis. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

BIO 4666 - Honors Seminar.

(2-0-1) Areas of investigation which require integration of Biological Sciences and research will be addressed. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors coordinator. May be taken twice for credit. Credits: 1

BIO 4750 - Biometrics.

(2-2-3) Methods of quantitative analysis of biological data at the population level. Emphasis placed on practical applications of statistical analysis. **Prerequisites & Notes:** Eighteen semester hours of biological sciences. Credits: 3

BIO 4751 - Advanced Molecular Cell Biology.

(3-0-3) A study of the molecular basis of intracellular processes, including gene regulation and expression; molecular biosyntheses and transport; cell motility and adhesion; cell cycle regulation; and intracellular signaling, using case studies from current scientific literature. **Prerequisites & Notes:** BIO 3120 and 3200. Credits: 3

BIO 4810 - Plant Ecology.

(1-4-3) The application of investigative techniques to the study of the structure and successional patterns of plant communities. WI **Prerequisites & Notes:** Two years of Biological Sciences. Credits: 3

BIO 4812 - Fisheries Ecology and Management.

(2-3-3) Relationships of fish with biotic and abiotic components of their environment. Role of fishes in aquatic ecosystems and current management strategies. **Prerequisites & Notes:** BIO 3800. BIO 4750 recommended. Credits: 3

BIO 4814 - Conservation Biology.

(3-0-3) Study of the application of ecological and genetic principles to the preservation and conservation of biological diversity. Topics will include the demography and genetics of small populations, population viability, island biogeography, and the design of nature reserves. WI **Prerequisites & Notes:** BIO 3200 and 3800. Credits: 3

BIO 4816 - Study of Biotic Communities.

(2-Arr.-3) The study of selected biotic communities in Illinois and surrounding states. May be repeated for credit if a different topic is taught. **Prerequisites & Notes:** Major in Biological Sciences; 12 semester hours in Biological Sciences including BIO 3800 or 4810; or permission of the instructor. Credits: 3

BIO 4818 - Environmental Microbiology.

(2-4-4) An introduction to the principles, applications, and methodologies of environmental microbiology with emphasis on microbial interactions with animals and plants, on the microbiology of air, water, sewage, and soils, and on the role of microorganisms in biogeochemical cycling. The use of microorganisms in the bioremediation of environmental pollutants and in the recovery and enhancement of environmental resources will also be considered. **Prerequisites & Notes:** BIO 3300 or equivalent or permission of the instructor. Credits: 4

BIO 4820 - Spatial Analysis for Environmental Sciences.

(3-3-4) F. An introduction to how spatial data are synthesized and interpreted in the environmental sciences. The course will focus on interpretation of remotely sensed data, point pattern analysis, and digital elevation models. Students will become familiar using appropriate software such as Geographic Information Systems (GIS), statistical and modeling software. **Prerequisites & Notes:** BIO 3800 or permission of the instructor. Credits: 4

BIO 4830 - Comparative Vertebrate Physiology.

(3-0-3) A comparison of physiological activities of vertebrates and adaptations to their natural environment. **Prerequisites & Notes:** BIO 3520 and CHM 2430; CHM 3300 recommended. Credits: 3

BIO 4832 - Animal Behavior.

(3-3-4) Theoretical and experimental studies of the principles of animal behavior. **Prerequisites & Notes:** Sixteen semester hours of Biological Sciences or permission of the instructor. Credits: 4

BIO 4834 - Neurobiology.

(3-0-3) A study of the structure and function of neurons, the principal cells of the nervous system, at the molecular and cellular level. This course will emphasize neurobiological aspects of learning, memory, and behavior. **Prerequisites & Notes:** BIO 3120 or permission of the instructor. Credits: 3

BIO 4836 - Pathogenic Microbiology.

(2-4-4) An introduction to the role and activities of pathogenic microorganisms in the diseases of humans, animals, and plants with emphasis on the history, classification, morphology, nutrition and growth, metabolism, genetics, and virulence factors of disease-causing prokaryotes as well as the epidemiology, diagnosis, treatment, and prevention of the diseases they cause. The laboratory will emphasize clinical techniques required for the isolation, cultivation, and identification of pathogenic microorganisms. **Prerequisites & Notes:** BIO 3300 or equivalent or permission of the instructor. Credits: 4

BIO 4840 - Resource Management and Environmental Assessment

(2-3-3) S. This course will explore the concepts in natural resource management including data acquisition and how environmental regulations are used in integrated ecological assessments at the federal and state level. **Prerequisites & Notes:** BIO 3800 or permission of the instructor. Credits: 3

BIO 4892 - Introduction to Paleobotany.

(3-2-4) Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. **Prerequisites & Notes:** BIO 1200G or permission of instructor. Credit not granted for both GEL 4892 and BIO 4892. Credits: 4

BIO 4914 - Plant Anatomy.

(2-3-3) F. A comprehensive study of the internal structure of vascular plants, focusing primarily on the anatomy of seed plants. The course emphasizes plant development and structural-functional relationships. The laboratory component of this class will introduce students to basic microtechniques and emphasize microscopic plant structure. Restriction: Junior status. **Prerequisites & Notes:** BIO 1200G or at least 9 semester hours in the biological sciences major. Credits: 3

BIO 4940 - Phycology.

(2-3-3) Introduction to algal biology; emphasis is placed on freshwater algae including the study of classification, life-history, physiology, ecology, and evolution. **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 4942 - Mycology.

(2-3-3) Survey of the fungi; specifically the characteristics and phylogenetic relationships of the major groups of fungi, their structure, growth and development, physiology, reproduction and dispersal, genetics, ecological role and economic importance. WI **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 4944 - Lichens.

(2-3-3) Systematic survey of the lichens, including their physiology, growth and development, reproduction, ecology, economic importance, and classification. Field trips required. WI **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 4946 - Bryology.

(1-4-3) The structure, identification, life-history, and importance of the mosses and liverworts. Fall field trip is required. **Prerequisites & Notes:** BIO 1200G. Credits: 3

BIO 4948 - Plant Taxonomy.

(1-4-3) The classification and evolution of flowering plants. Emphasis on learning common families and field techniques, especially specimen preparation. Saturday field trip required. **Prerequisites & Notes:** BIO 3322 or 3612 or permission of instructor. Credits: 3

BIO 4950 - Ichthyology.

(2-3-3) Study of the anatomy, physiology, systematics and zoogeography of fishes. **Prerequisites & Notes:** BIO 3800 or BIO 3950 or permission of instructor. Credits: 3

BIO 4952 - Herpetology.

(2-3-3) S-even-numbered years. A survey of the amphibian and reptilian classes, with emphasis on the extant herpetofauna of "Mid-West" region of the North America. Material presented in lecture will be supplemented with laboratory examinations of preserved specimens and field trips to regional sites for surveying available taxa. **Prerequisites & Notes:** BIO 3800 or BIO 3950 and junior-level standing. Credits: 3

BIO 4954 - Ornithology.

(2-3-3) The identification, classification, distribution, and natural history of Midwestern birds. WI **Prerequisites & Notes:** BIO 3800 or BIO 3950 or permission of instructor. Credits: 3

BIO 4956 - Mammalogy.

(2-2-3) A study of mammals with emphasis on classification, distribution, natural history and ecology. **Prerequisites & Notes:** BIO 3800 or permission of the instructor. Credits: 3

BIO 4958 (3700) - Parasitology.

(3-3-4) F. A study of parasitism as a symbiotic relationship; to include identification, systematics, life histories, pathology, and control of common parasites of animals, including humans. **Prerequisites & Notes:** BIO 1300 or permission of instructor. Credits: 4

BIO 4960 - Wetland and Aquatic Vascular Plants.

(2-3-3) F-odd-numbered years. The study of the taxonomy and ecology of wetland and aquatic plants, emphasizing those occurring in the Midwest. Field trips required. **Prerequisites & Notes:** BIO 1200G and either BIO 3322 or BIO 3612. Credits: 3

BIO 4964 - Entomology.

(3-3-4) F. A study of insects, and closely related arthropods, with regard to identification, ecology, morphology, physiology, and evolution. Methods of collection and specimen preparation are included. WI **Prerequisites & Notes:** BIO 1300G or permission of instructor. Course may not be repeated. Credits: 4

BIO 4984 - Organic Evolution.

(3-0-3) Fundamental principles of organic evolution stressing historical fact, evidences for and processes common to all biota. WI **Prerequisites & Notes:** BIO 1200G, 1300G, 3200, and senior-level standing. Credits: 3

BUSINESS (BUS)**BUS 1000 - Introductory Business Seminar.**

(2-0-2) F, S. Overview of business including the relationship between business and society, the global business environment, and the functional areas of business. Emphasizes academic and professional development for students intending to pursue a career in business. Credits: 2

BUS 1950 - Computer Concepts and Applications for Business.

(3-0-3) F, S. A study of computer concepts, including the information processing cycle, file organization, telecommunications, and operating systems and systems software. Applications software, including spreadsheets, databases, word processing, presentation graphics, computer communications, and operating systems with graphical user interfaces. BUS 902 Credits: 3

BUS 2101 - Financial Accounting.

(3-0-3) F, S. A study of the principles and procedures used to prepare and communicate financial information to the firm's managers and to external parties. Topics include the accounting principles, processes, and data systems used by service/manufacturing firms in the preparation, use and interpretation of financial statements. BUS 903 **Prerequisites & Notes:** Completion of 30 semester hours. Credits: 3

BUS 2102 - Managerial Accounting.

(3-0-3) F, S. The course examines the use of accounting information for decision making by managers of business organizations. Topics include cost terminology, product costing, quality management, profit planning, control of operations, segment reporting profitability analysis, and relevant costs for decision making. Students will use appropriate software, including spreadsheets, to organize and analyze information. BUS 904 **Prerequisites & Notes:** BUS 2101 with a grade of C or better. Credits: 3

BUS 2275 - Internship in Business.

(Arr-Arr-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of business knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Completion of at least 30 semester hours and approval of Internship Learning Agreement by School of Business Chair or designee. Credits: 1-15

BUS 2710 - Survey of Finance.

(3-0-3) F, S. This course provides an overview of the finance function and the basic concepts of financial institutions, financial management, and investments. The course is not open to Business Majors. **Prerequisites & Notes:** BUS 2101. Credits: 3

BUS 2750 - Legal and Social Environment of Business.

(3-0-3) F, S. A study of the legal and social environment in which businesses operate, including structure and operation of legal institutions, development of common law and legislation, ethics and social responsibility, government regulation of business, contracts, and the international legal environment. BUS 913 **Prerequisites & Notes:** Completion of 30 semester hours or more. Credits: 3

BUS 2810 - Business Statistics I.

(3-0-3) F, S. Provides a working knowledge of descriptive statistics, probability distributions, hypothesis testing and simple correlation and regression. Includes the application of computer software to these techniques. BUS 901 **Prerequisites & Notes:** Sophomore standing. Credits: 3

BUS 3010 - Management and Organizational Behavior.

(3-0-3) F, S. Organization fundamentals: objectives, functions, structure and operational procedure, interpersonal relationships, control and motivation systems, and communications. **Prerequisites & Notes:** Junior standing. Credits: 3

BUS 3200 - International Business

(3-0-3) F, S. An introduction to globalization and the cultural, economic, political, and legal environments of international business including an overview of risks, challenges, and opportunities of competing in the global marketplace. **Prerequisites & Notes:** BUS 2750, ECN 2801G, ECN 2802G; and declared major in the School of Business or CTE major with business education emphasis or admission to a minor offered by the School of Business. Credits: 3

BUS 3470 - Principles of Marketing.

(3-0-3) F, S. Marketing concepts including the analysis of the marketing environment and the strategic variables of product, price, distribution, and promotion. **Prerequisites & Notes:** Junior standing. Credits: 3

BUS 3500 - Management Information Systems.

(3-0-3) F, S. An introduction to MIS by management level and functional area. Among the topics are types of information systems, approaches to systems development, and security. Prepackaged software will be used in case problem solving and simulation situations.

Prerequisites & Notes: BUS 1950, junior standing, and admission to the School of Business or to a minor offered by the School of Business, or permission of Associate Chair. Credits: 3

BUS 3710 - Business Financial Management.

(3-0-3) F, S. A practical framework for corporate financial decision-making. Topics include: acquisition, allocation, and management of funds and asset valuation methods. **Prerequisites & Notes:** BUS 2102, ECN 2802G, and junior standing or permission of the Chair, School of Business. Credits: 3

BUS 3950 - Operations Management.

(3-0-3) F, S. Management of manufacturing and service organizations. Topics include decision making, forecasting, product and service design, location planning, process selection and capacity planning, layout, inventory management (IM), Just-in-time systems (JIT), material requirements planning (MRP), scheduling, project management and quality. Includes application of computer software solution techniques. **Prerequisites & Notes:** BUS 2810 and BUS 3010 and admission to the School of Business or permission of the Associate Chair. Credits: 3

BUS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. Credits: 1 to 15

BUS 3970A - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. Credits: 1 to 15

BUS 4360 - Strategy and Policy.

(3-0-3) F, S. A comprehensive analysis of strategic management processes in organizations. This is the capstone course which requires expertise from the functional areas to develop broad concepts, theories and techniques to develop socially responsible strategies and policies in a global environment. **Prerequisites & Notes:** BUS 1950, 2101, 2102, 2750, 2810, 3010, 3470, 3500, 3710, 3950, senior standing and admission to the School of Business or permission of the Associate Chair. Credits: 3

BUS 4444 - Honors Independent Study.

(Arr.-Arr.-1-3) On Demand. Intensive investigation of a topic under the supervision of a School of Business faculty member. Course may be repeated once. **Prerequisites & Notes:** Admission to the Business Honors Program and approval of written Honors Independent Study Proposal by chair, department honors coordinator, and supervising faculty member. Credits: 1 to 3

BUS 4555 - Honors Research.

(3-0-3) On Demand. Study of research methods and processes including defining research problems, and collecting and analyzing data. Students will conduct a literature review and prepare a research proposal. **Prerequisites & Notes:** Admission to the Business, Family and Consumer Sciences, or Applied Engineering and Technology Departmental Honors Program and/or approval of the Business, Family and Consumer Sciences, or Technology Honors Coordinator. Course may not be repeated. Cross listed with FCS 4555 and AET 4555. Credits: 3

BUS 4644 - Honors Thesis.

(Arr.-Arr.-1-3) On Demand. Written thesis based on student's research under the supervision of a School of Business faculty member. **Prerequisites & Notes:** Admission to the Business Honors Program; BUS 4444 or BUS 4555; and approval of written Honors Thesis Proposal by chair, department honors coordinator, and supervising faculty member. Credits: 1 to 3

BUS 4740 - Independent Study

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3470, 3500, 3710, and 3950, senior standing, cumulative grade-point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by the School of Business Associate Chair, prior to registration. Credits: 1 to 6

CAREER & TECHNICAL EDUCATION (CTE)

CTE 1420 - Survey of Business Principles.

(3-0-3) F, S. An introduction to the contemporary world of business. Not open to junior and senior B.S. in Business majors. BUS 911 Credits: 3

CTE 2000 - Inquiry Into Teaching Career and Technical Education.

(2-0-2) F, S. A classroom and field introduction to career and technical education teaching, including the role of the teacher; moral, ethical, and legal expectations; social and political context of schools and communities; business and industry trends that affect the discipline; and national and state school-to work initiatives. **Prerequisites & Notes:** Thirty hours of completed course work. Credits: 2

CTE 2001 - Work-Based Learning.

(1-0-1) F, S. An introduction to work-based learning as it relates to the teacher of Career and Technical Education. Credit will not be granted for both CTE 2000 and CTE 2001. **Prerequisites & Notes:** 30 hours of coursework and SED 2000 or its equivalent. Credits: 1

CTE 3000 - Consumers in the Marketplace.

(3-0-3) F, S. Factors affecting personal and family financial management, including investments and savings, use of credit, insurance and taxes. Credit will not be granted for both CTE 3000 and FCS 3300. Credits: 3

CTE 3100 - Instructional Technology in Career and Technical Education.

(3-0-3) The selection and use of appropriate technology needed in career and technical education for school and work environments. Credits: 3

CTE 3400 - Methods of Teaching Career and Technical Education.

(3-0-3) F, S. This course covers methods of planning, instructional design, learning (including high-order, critical thinking skills), classroom management, recognizing the individual, and media and other instructional materials. WI **Prerequisites & Notes:** CTE 2000 and SED 3100 or 3330. Credits: 3

CTE 3401 - Seminar in Teaching Keyboarding and Computer Applications.

(2-0-2) F, S. A seminar to discuss professionalism, curriculum, resources, and legislation as it relates to teaching keyboarding and computer applications. **Prerequisites & Notes:** Co-requisites: CTE 3400 and one year of junior/high school keyboarding or one semester of college keyboarding, or demonstrated equivalency. Credits: 2

CTE 3402 - Seminar in Teaching Basic Business and Accounting.

(2-0-2) F, S. A seminar to discuss teaching methods, content, textbooks, teaching materials, and visual aids in basic business and accounting. **Prerequisites & Notes:** Co-requisite: CTE 3400. Credits: 2

CTE 3403 - Seminar in Teaching Family and Consumer Sciences.

(2-0-2) F, S. A seminar to discuss professionalism, curriculum, resources, and legislation as they relate to teaching Family and Consumer Sciences. **Prerequisites & Notes:** Co-requisite: CTE 3400. Credits: 2

CTE 3404 - Seminar in Teaching Technology.

(2-0-2) F, S. A seminar to discuss professionalism, curriculum, resources, and legislation as it relates to technology. **Prerequisites & Notes:** Co-requisite: CTE 3400. Credits: 2

CTE 4913 - Organization and Administration of Cooperative Occupational Education.

(3-0-3) F. Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed. Credits: 3

CTE 4923 - Coordination Techniques for Cooperative Occupational Education.

(3-0-3) S. Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized. Credits: 3

CHEMISTRY (CHM)

CHM 1040G - The World of Chemistry.

(3-2-4) An introduction to chemicals, chemical processes and chemical theories with an emphasis on how chemistry is used to explain and shape our world and condition. No credit toward the major or minor in chemistry, nor for a student who has credit in a previous laboratory-based course in college-level chemistry. P1 903L Credits: 4

CHM 1310G - General Chemistry I.

(3-0-3) An introduction to fundamental chemical principles and related phenomena. Topics include: atomic and electronic structure, bonding, chemical composition, chemical reactions, gases, stoichiometry, and thermochemistry. P1 902; EGR 961; BIO 906; CHM 911; NUR 906 **Prerequisites & Notes:** One year of high school chemistry or credit in CHM 1040G with a grade of C or better. Not recommended for those whose ACT mathematics score is less than 21 without prior completion of or concurrent enrollment in MAT 1271. CHM 1315G must be taken concurrently. Credits: 3

CHM 1315G - General Chemistry Laboratory I.

(0-3-1) Experimental work illustrating chemical principles and concepts described in the companion lecture course. P1 902L; EGR 961; BIO 906 **Prerequisites & Notes:** Must be taken concurrently with CHM 1310G. Credits: 1

CHM 1390G - General Chemistry I, Honors.

(3-0-3) F. A introduction to chemical principles and their applications. Topics include: stoichiometry; atomic and electronic structure; bonding; properties of gases, liquids, solids, and solutions; thermochemistry. P1 902; CHM 911; NUR 906 **Prerequisites & Notes:** One year of high school chemistry, intermediate algebra, and admission to the University Honors College. CHM 1395G must be taken concurrently. Credits: 3

CHM 1395G - General Chemistry Laboratory I, Honors.

(0-3-1) F. Experimental work demonstrating chemical principles and their applications. P1 902L WI **Prerequisites & Notes:** One year of high school chemistry, intermediate algebra, and admission to the University Honors College. Must be taken concurrently with CHM 1390G. Credits: 1

CHM 1410 - General Chemistry II.

(3-0-3) The second semester of the general chemistry sequence. Principles and applications of equilibrium, kinetics, thermodynamics, and electrochemistry. BIO 907; CHM 912; NUR 907 **Prerequisites & Notes:** CHM 1310G with a grade of C or better and CHM 1315G. CHM 1415 must be taken concurrently. Credits: 3

CHM 1415 - General Chemistry Laboratory II.

(0-3-1) Experimental work illustrating chemical principles and concepts described in the companion lecture course. Also includes an introduction to inorganic qualitative analysis. BIO 907; CHM 912; NUR 907 **Prerequisites & Notes:** CHM 1310G and 1315G. Must be taken concurrently with CHM 1410. Credits: 1

CHM 1440 - Chemistry Research Rotation.

(Arr-Arr-1) S. Introduction to chemical research areas and techniques. Students will conduct research mini-projects in multiple chemistry research laboratories amongst different subfields of chemistry. May be repeated once if different faculty research labs are chosen. No credit

toward major or minor in chemistry. **Prerequisites & Notes:** CHM 1310 and 1315 (or CHM 1390 and 1395) with grade of "A"; freshmen or sophomore standing; and permission of the department chairperson. Course may be repeated to a maximum of 2 hours. Credits: 1

CHM 1490 - General Chemistry II, Honors.

(3-0-3) S. Principles of thermodynamics, kinetics, equilibrium and electrochemistry are elucidated and applied to relevant inorganic and organic chemical systems. Suitable for students in any program that requires two semesters of general chemistry. **Prerequisites & Notes:** CHM 1390G and 1395G, Honors, admission to the University Honors College. CHM 1495, Honors, must be taken concurrently. Credits: 3

CHM 1495 - General Chemistry Laboratory II, Honors.

(0-3-1) S. Experimental work demonstrating chemical principles and their applications. **Prerequisites & Notes:** Admission to the University Honors College. Must be taken concurrently with CHM 1490, Honors. Credits: 1

CHM 2040G - Practical Chemistry.

(3-0-3) S. The principle that molecular structure determines chemical and physical properties will be applied to materials encountered in daily life. The nature of chemical ingredients in common household products such as detergents, personal care items, medicines, etc., will be emphasized. No credit toward major or minor in chemistry. Credits: 3

CHM 2310 - Inorganic Chemistry I.

(3-0-3) S. Physical and chemical properties of the elements and their compounds; basic coordination chemistry; properties of solids. **Prerequisites & Notes:** CHM 1410, 1415. Credits: 3

CHM 2430 - Survey of Organic Chemistry.

(3-0-3) A survey of organic compounds organized by the principal functional groups. Structure, properties, reactions, and mechanisms are included. BIO 908; CLS 908 **Prerequisites & Notes:** CHM 1410, 1415. No credit toward the chemistry major or Track II of the chemistry minor or for students with prior credit in CHM 2440. Must be taken concurrently with CHM 2435. Credits: 3

CHM 2435 - Survey of Organic Chemistry Laboratory.

(0-3-1) Laboratory experiments illustrating the major concepts of CHM 2430. **Prerequisites & Notes:** Concurrent enrollment or prior credit in CHM 2430. No credit toward the chemistry major or Track II of the chemistry minor or for students with prior credit in CHM 2445. **BIO 908** Credits: 1

CHM 2440 - Organic Chemistry I.

(3-0-3) The nomenclature and reactions of major types of organic compounds including alkanes, alkenes, alkynes, alkyl halides, and aromatic compounds; stereochemistry; mechanisms of organic reactions; spectroscopy of organic compounds. NUR 908 **Prerequisites & Notes:** CHM 1410, 1415. Chemistry majors must select CHM 2445 concurrently. Credits: 3

CHM 2445 - Organic Chemistry Laboratory I.

(0-3-1) An introduction to common laboratory techniques of organic chemistry. Representative reactions of alkanes, alkenes, alkynes, alkyl halides, and aromatic compounds; spectroscopy of organic compounds. NUR 908 **Prerequisites & Notes:** CHM 1410, 1415; concurrent enrollment or prior credit in CHM 2440. Credits: 1

CHM 2730 - Quantitative Analysis.

(2-4-3) Theory and applications of gravimetric, volumetric, electrochemical, and spectrophotometric quantitative chemical analysis. **Prerequisites & Notes:** CHM 1410 with a grade of C or better and CHM 1415. Credits: 3

CHM 2840 - Organic Chemistry II.

(3-0-3) Continued development of material from CHM 2440. Nomenclature and reactions of alcohols, ethers, epoxides, sulfides, aldehydes, ketones, amines, carboxylic acids, carboxylic acid derivatives; enolate reactions. Reaction mechanisms; spectroscopy; polymers; biological molecules. EGR 964; BIO 909 **Prerequisites & Notes:** CHM 2440 with a grade of C or better and CHM 2445. Chemistry majors should take CHM 2845 concurrently. Credits: 3

CHM 2845 - Organic Chemistry Laboratory II.

(0-3-1) Representative reactions of alcohols, ethers, aldehydes, ketones, amines, carboxylic acids, and carboxylic acid derivatives, employing multi-step syntheses and advanced techniques, with some molecular modeling. Strong emphasis on infrared and nuclear magnetic resonance spectroscopy and gas chromatography/mass spectrometry. EGR 964; BIO 909 **Prerequisites & Notes:** CHM 2440, CHM 2445; concurrent enrollment or prior credit in CHM 2840. Credits: 1

CHM 3000 - Undergraduate Seminar.

(2-0-0) Audit Only. For junior chemistry majors. **Prerequisites & Notes:** Junior standing and completion of 15 semester hours of chemistry courses or permission of the instructor. Credits: 0

CHM 3001 - Undergraduate Seminar.

(2-0-1) A thorough literature search of a recent development in chemistry and presentation of a talk based on this search. For juniors. **Prerequisites & Notes:** CHM 3000. Credits: 1

CHM 3100 - Practicum in Chemistry.

(1-ARR-1) Formal introduction to chemical safety and practical experiences in preparing and handling chemical materials, managing a chemical stockroom and assisting in a chemistry laboratory course. **Prerequisites & Notes:** CHM 2730 with a grade of C or better. Students should complete CHM 3100 prior to student teaching. Enrollment is restricted to students in the Science with Teacher Certification program. Credits: 1

CHM 3200 - Cooperative Education in Chemistry.

(Arr-Arr-1 to 4) On Demand. (Credit/No Credit) Individually planned work experience in industry or government, supervised jointly by Chemistry faculty and the host institution. Does not count for the chemistry major or minor. May be repeated once for credit. **Prerequisites**

& Notes: Minimum GPA of 2.50 and minimum combined GPA in Chemistry, Physics and Mathematics of 2.50; completion of sophomore year or two semesters of organic chemistry; and permission of department chairperson. Credits: 1 to 4

CHM 3300 - Survey of Biochemistry.

(3-0-3) S. An introduction to the structure of biomolecules and their function in living cells, as well as a survey of metabolic pathways involving the breakdown and synthesis of sugars, lipids, nucleic acids, and proteins. **Prerequisites & Notes:** CHM 2430 and 2435 with a grade of C or better in both or CHM 2840 with a C or better. No credit for students with prior credit in CHM 3450. Credits: 3

CHM 3450 - Biochemistry I.

(3-0-3) F. An introduction to the structure and function of proteins, lipids, carbohydrates, and nucleic acids as well as the central metabolic pathways of glycolysis, the tricarboxylic acid cycle, and oxidative phosphorylation. CLS 910; NUR 910 **Prerequisites & Notes:** CHM 2840 or concurrent enrollment therein. Credits: 3

CHM 3455 - Biochemistry Laboratory.

(0-6-2) S. Introduction to experimentation with biochemical systems, processes, and compounds including protein purification, enzyme kinetics, and recombinant DNA techniques. **Prerequisites & Notes:** CHM 2730 and 3450 (or CHM 3300 if a Chemistry major) or instructor permission. Credits: 2

CHM 3460 - Biochemistry II.

(3-0-3) S. A continuation of CHM 3450 covering catabolic and anabolic pathways involving lipids, carbohydrates, amino acids, and nucleic acids. The regulation of metabolism and the integration of metabolic pathways will also be covered. **Prerequisites & Notes:** CHM 3450 with a grade of C or better. Credits: 3

CHM 3500 - Introduction to Chemical Research.

(1-0-1) F. (Credit/No Credit) An introduction to the ethical, safety, and public awareness aspects of research in chemistry; methods of searching for and retrieving chemical information from printed and electronic sources. **Prerequisites & Notes:** (CHM 2430, CHM2435) or (CHM 2440, 2445) or concurrent enrollment therein or 13 hours of chemistry or permission of the department chairperson Credits: 1

CHM 3780 - Instrumental Analysis.

(2-3-3) F. Instrument design and analytical applications for the techniques of UV-visible spectrometry, fluorescence spectrometry, flame photometry, atomic absorption spectrometry, polarography, coulometry, HPLC, and gas chromatography. WI **Prerequisites & Notes:** CHM 2730. Credits: 3

CHM 3910 - Chemical Thermodynamics and Kinetics.

(3-0-3) F. A study of the principles governing chemical change, including thermodynamics and kinetics. **Prerequisites & Notes:** Prior completion of or concurrent enrollment in CHM 2730, MAT 2442, PHY 1361 and 1362. Note: Prior completion of requisite MAT and PHY courses strongly recommended. Credits: 3

CHM 3915 - Physical Chemistry Laboratory.

(1-4-2) S. Experimental investigation of the thermodynamic and kinetic behavior of several chemical systems. WI **Prerequisites & Notes:** CHM 3910 with grade of C or better. Credits: 2

CHM 3920 - Quantum Chemistry.

(3-0-3) S. Introduction to the principles of quantum mechanics and their application to atoms, molecules, chemical bonding, and statistical thermodynamics. **Prerequisites & Notes:** CHM 2730 (or concurrent enrollment therein); PHY 1361 and 1362; MAT 2442. Credits: 3

CHM 3940 - Computer Programming in Chemistry.

(1-3-2) S. Techniques in FORTRAN programming, data manipulation, curve fitting, numerical methods and computer graphics are developed with emphasis on applications in chemistry. **Prerequisites & Notes:** CHM 3910 or permission of instructor. Credits: 2

CHM 4000 - Undergraduate Seminar.

(2-0-0) Audit only. For seniors. **Prerequisites & Notes:** CHM 3001. Credits: 0

CHM 4001 - Undergraduate Seminar.

(2-0-1) A thorough literature search of a recent development in chemistry and the presentation of a talk based on this search. For seniors. **Prerequisites & Notes:** CHM 4000. Credits: 1

CHM 44001 - Undergraduate Research I.

(Arr.-Arr.-1-3) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44002. **Prerequisites & Notes:** CHM 3500 or concurrent enrollment therein. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: 1 to 3

CHM 44002 - Undergraduate Research II.

(Arr.-Arr.-1-3) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44003. **Prerequisites & Notes:** CHM 3500 and two semesters of CHM 44001. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: 1 to 3

CHM 44003 - Undergraduate Research III.

(Arr.-Arr.-1-3) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44004. **Prerequisites & Notes:** Two semesters of

CHM 44002. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: 1 to 3

CHM 44004 - Undergraduate Research IV.

(Arr.-Arr.-1-3) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit. **Prerequisites & Notes:** Two semesters of CHM 44003. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: 1 to 3

CHM 44101 - Independent Study I.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of an instructor. May not be repeated. **Prerequisites & Notes:** Permission of the department chairperson and instructor. A maximum of three semester hours credit from Independent Studies courses may be applied to the major in chemistry. Credits: 1 to 3

CHM 44102 - Independent Study II.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of an instructor. May not be repeated. **Prerequisites & Notes:** Permission of the department chairperson and instructor. A maximum of three semester hours credit from Independent Studies courses may be applied to the major in chemistry. Credits: 1 to 3

CHM 44103 - Independent Study III.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of an instructor. May not be repeated. **Prerequisites & Notes:** Permission of the department chairperson and instructor. A maximum of three semester hours credit from Independent Studies courses may be applied to the major in chemistry. Credits: 1 to 3

CHM 44104 - Independent Study IV.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of an instructor. May not be repeated. **Prerequisites & Notes:** Permission of the department chairperson and instructor. A maximum of three semester hours credit from Independent Studies courses may be applied to the major in chemistry. Credits: 1 to 3

CHM 44441 - Honors Independent Study I.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of the instructor and the departmental honors coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. A maximum of three semester hours credit of Honors Independent Study may be applied to Departmental Honors and the major in chemistry. Credits: 1 to 3

CHM 44442 - Honors Independent Study II.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of the instructor and the departmental honors coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. A maximum of three semester hours credit of Honors Independent Study may be applied to Departmental Honors and the major in chemistry. Credits: 1 to 3

CHM 44443 - Honors Independent Study III.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of the instructor and the departmental honors coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. A maximum of three semester hours credit of Honors Independent Study may be applied to Departmental Honors and the major in chemistry. Credits: 1 to 3

CHM 44444 - Honors Independent Study IV.

(Arr.-Arr.-1-3) Intensive individual study on a topic in chemistry selected by the student under the supervision of the instructor and the departmental honors coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. A maximum of three semester hours credit of Honors Independent Study may be applied to Departmental Honors and the major in chemistry. Credits: 1 to 3

CHM 45551 - Honors Research I.

(Arr.-Arr.-1-3) Research into an experimental or theoretical aspect of modern chemistry undertaken with close supervision of an honors faculty member. Written report required. May be repeated once for credit and must be repeated prior to taking CHM 45552. Note: Two semester hours are required of students in the Departmental Honors Program. A maximum of three additional semester hours credit from Honors Research courses may be applied to Departmental Honors and the major in chemistry. **Prerequisites & Notes:** CHM 3500 or concurrent enrollment therein. Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. Credits: 1 to 3

CHM 45552 - Honors Research II.

(Arr.-Arr.-1-3) Research into an experimental or theoretical aspect of modern chemistry undertaken with close supervision of an honors faculty member. Written report required. May be repeated once for credit. Two semester hours of CHM 45551 is required for Departmental Honors Program. A maximum of three additional semester hours credit from Honors Research courses may be applied to Departmental Honors and the major in chemistry. **Prerequisites & Notes:** Two semesters of CHM 45551. Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. Credits: 1 to 3

CHM 4644 - Honors Thesis.

(Arr.-Arr.-3) Written thesis and oral presentation based upon a survey of the chemical literature and student's original research under close supervision of a chemistry honors faculty member. Required of students in the Departmental Honors Program. May not be repeated. **Prerequisites & Notes:** A minimum of two credit hours in CHM 45551; admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson, and instructor. Credits: 3

CHM 4666 - Honors Seminar.

(1-0-1) On Demand. Directed reading and group discussion of advanced topics from a variety of sources including both classical and recent chemical research papers. Required of students in the Departmental Honors Program. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator, chairperson and instructor. Credits: 1

CHM 4750 - Environmental Chemistry.

(3-0-3) On Demand. The chemistry of environmental processes and chemical contaminants in the hydrosphere, atmosphere, and biosphere; the impact of energy generation on the global environment; the toxicology of specific chemical compounds. **Prerequisites & Notes:** CHM 2730; CHM 2430 or CHM 2840. Credits: 3

CHM 4770 - Molecular Spectroscopy.

(0-6-2) F. Application of spectroscopic techniques to study molecular structures, properties and dynamics. Methods used include vibrational and rotational spectroscopy, laser spectroscopy, and computational techniques. WI **Prerequisites & Notes:** CHM 3915 (with a grade of C or better) and CHM 3920; or permission of instructor. Credits: 2

CHM 4790 - Medicinal Chemistry.

(3-0-3) On Demand. Basic principles of pharmacology, drug-receptor interaction, physicochemical properties as related to biological activity; synthesis of medicinally important molecules including strategic considerations. **Prerequisites & Notes:** CHM 2840 or permission of instructor. Credits: 3

CHM 4800 - Selected Topics in Chemistry.

(Arr.-Arr.-1 to 3) On Demand. A course in a selected area of chemistry. May be repeated once for credit if a different topic is taught. **Prerequisites & Notes:** Variable depending on topic. Credits: 1 to 3

CHM 4860 - Advanced Biochemistry.

(3-0-3) F. Topics may include protein structure and function, enzyme mechanisms, transcription, DNA replication, regulation of DNA expression, and cellular signaling pathways. **Prerequisites & Notes:** CHM 3460 or 3450 with instructor permission. Credits: 3

CHM 4900 - Inorganic Chemistry II.

(3-0-3) F. Bonding, structures, and reactivity of inorganic, organometallic, and bioinorganic compounds. **Prerequisites & Notes:** CHM 2310 with a grade of C or better; CHM 3910 (or concurrent enrollment therein). Credits: 3

CHM 4915 - Advanced Laboratory.

(1-6-3) S. An interdisciplinary laboratory course featuring experiments in inorganic, organic, and organometallic chemistry. Experiments will emphasize advanced techniques of chemical research, including the synthesis and characterization of important classes of inorganic, organic, and organometallic compounds. WI **Prerequisites & Notes:** CHM 2840, 2845, 3780, and 4900. Prior completion of CHM 3915 recommended. Credits: 3

CLINICAL LABORATORY SCIENCE (CLS)

CLS 4000 - Clinical Chemistry I.

(4 to 6) Theory and practice of analytical biochemistry as applied to pathologic states, methodology, and instrumentation. Mathematics and statistics involved in reagent preparation, result determination and quality control are included. Credits: 4 to 6

CLS 4005 - Clinical Chemistry II.

(2 to 5) Theory and practice of analytical biochemistry as applied to urine and body fluids, including specialized tests for drugs and endocrine functions. Credits: 2 to 5

CLS 4010 - Clinical Hematology.

(4 to 6) Study of the origin, development, morphology, physiology, and pathophysiology of the formed elements of the blood and bone marrow. Manual and automated hematological procedures used in diagnosis of diseases are included. Credits: 4 to 6

CLS 4020 - Clinical Hemostasis.

(1 to 2) Study of the platelet, vascular, coagulation, and fibrinolytic systems related to disease states and therapeutic monitoring. Credits: 1 to 2

CLS 4030 - Clinical Immunohematology.

(3 to 5) Study of red cell antigen-antibody systems, antibody screening and identification, compatibility testing, and immunopathologic conditions. Donor requirements and blood component preparation and theory are included. Credits: 3 to 5

CLS 4040 - Clinical Immunology.

(2 to 3) Study of the protective and adverse aspects of cellular and humoral immune responses. Theory, test procedures based on antigen-antibody reactions, and analysis of clinical significance of test results are included. Credits: 2 to 3

CLS 4050 - Clinical Microbiology I.

(5 to 6) Theory and practice of the isolation and identification of pathogenic bacteria and myco-bacteria through culture specificity, morphology, biochemical and/or serological reactions, and drug susceptibility. Clinical testing is related to disease states. Credits: 5 to 6

CLS 4055 - Clinical Microbiology II.

(2 to 3) Theory and practice of the isolation and identification of fungi, animal parasites, rickettsia, and viruses, utilizing morphological, cultural, biochemical, and serological methods. Clinical testing is related to disease states and epidemiology. Credits: 2 to 3

CLS 4060 - Special Topics in Clinical Laboratory Science.

(1) Overview of medical ethics, patient approach, theory and practice of phlebotomy techniques, laboratory safety, applications of laboratory computer systems, and clinical research methods. Credits: 1

CLS 4070 - Clinical Management and Education.

(1) A basic introduction to the principles and theory of management and education as related to the clinical laboratory. The special responsibilities of the clinical laboratory scientist in management and education are addressed. Credits: 1

COLLEGE OF SCIENCES (COS)**CSC 3100 - Global Threats and Problems.**

(3-0-3) S. An interdisciplinary study of current global problems. Four different social scientific approaches will be used to analyze complex questions regarding the survival of humanity given current threats to our environments, cultures, geopolitical affiliations, and socioeconomic structures. Topics may include famine, terrorism, information control, and disease, among others. Course may not be repeated. Cross-listed with ECN/GEG/PLS/SOC 3100. Credits: 3

COMMUNICATION DISORDERS AND SCIENCES (CDS)**CDS 2000 - Introduction to Communication Disorders & Sciences.**

(1-0-1) F, S. An overview of the profession, scope of practice, work settings, research applications to clinical practice, and impact of communication disorders. Topics will be addressed using interactive seminar format with portfolio assessment. WI Credits: 1

CDS 2100 - Phonetics and Phonological Development.

(3-1-3) S. A study of the physiologic and acoustic bases of phonemes in the English language. The course will include transcription skills of the International Phonetic Alphabet. This course develops an understanding of normal, culturally different and disordered phonological systems through the lifespan. Credits: 3

CDS 2200 - Language Acquisition.

(3-0-3) The course will cover theoretical foundation for defining language, the major components of language and normal acquisition sequences from infant precursors through early childhood and adolescence. Patterns of normal acquisition as a guide for evaluation of developmental disorders are presented. Credits: 3

CDS 2500 - Anatomy and Physiology of the Speech, Language, Swallowing, and Hearing Mechanism.

(3-0-3) F. Study of the basic neurological, anatomical and physiological processes of speech, language, swallowing and hearing. Credits: 3

CDS 2800 - Speech Science.

(3-1-3) S. Application of basic acoustic and physiologic information to normal speech in the areas of respiration, phonation, resonance and articulation. **Prerequisites & Notes:** CDS 2500 or permission of the department chair. Credits: 3

CDS 3100 - Phonological Assessment and Remediation.

(3-0-3) F. Study of the diagnostic evaluation and intervention techniques for functional phonological disorders. Assessment and remediation procedures include options within phonological rule-based and traditional motor-production approaches. **Prerequisites & Notes:** Admission to the major, CDS 2100. Credits: 3

CDS 3200 - Developmental Language Disorders.

(3-0-3) F. Study and application of the causes of language disorders and the assessment and intervention strategies applied to language disordered children in early, middle, or later stages of language development in both major and minority cultures. **Prerequisites & Notes:** Admission to the major, CDS 2200; or permission of the chair. Credits: 3

CDS 3500 - Neurological/Embryological Aspects of Communication.

(3-0-3) S. Study of the neurological and embryological process of human communication. **Prerequisites & Notes:** Admission to the major, CDS 2500, or permission of the Chair. Credits: 3

CDS 3700 - Diagnosis and Treatment of Communication Disorders.

(3-0-3) F. Study of general diagnostic principles and techniques including case history development and speech mechanism exams, general treatment principles and paradigms, and clinical report writing. **Prerequisites & Notes:** Prior completion or concurrent enrollment in CDS 3100, CDS 3200; Admission to the Communication Disorders and Sciences major. Credits: 3

CDS 3900 - Introduction to Clinical Techniques in Communication Disorders and Sciences.

(2-0-2) F, S. An introduction to a variety of methodologies used in the management of communication disorders. This course will include both lecture and small group discussion of video clips demonstrating the methodologies covered in lecture. Students will shadow a clinician to prepare them for future clinical practicum assignments. Students will complete 25 hours of pre-clinical observation required by the American Speech-Language-Hearing Association. Course restricted to CDS majors. This course is graded A, B, C, N/C. WI **Prerequisites & Notes:** Admission to the major and prior completion of CDS 3100, 3200, and 3700. Course may not be repeated. Credits: 2

CDS 4300 - Introduction to Audiology.

(3-0-3) F. The purpose of this course is to provide an overview of audiologic assessment and associated hearing disorders and to review the necessary hearing science principles. **Prerequisites & Notes:** Admission to the major, CDS 2500 and 2800; or permission of the Department Chair. Credits: 3

CDS 4350 - Aural Rehabilitation.

(3-0-3) S. To acquire knowledge concerning hearing impairment and its impact on speech and language characteristics of children and adults. The student will learn tests and techniques which are fundamental to the rehabilitation and management of the hearing impaired person. **Prerequisites & Notes:** Admission to the major, CDS 4300; or permission of the department chair. Credits: 3

CDS 4600 - Seminar in Communication Disorders and Sciences.

(3-0-3) F, S. A case study format is used to explore the etiology, diagnosis, and treatment of speech, language, and hearing disorders. The focus of this course is on the use of critical thinking skills and evidence-based practice information to design diagnostic plans, interpret diagnostic results and develop treatment plans. The course will allow students to integrate and apply information from numerous university and departmental undergraduate learning goals in this capstone experience. WI **Prerequisites & Notes:** Completion of CDS 3100, 3200, and 3700; and completion of or concurrent enrollment in CDS 3900 and 4300. Open only to Senior CDS majors. Course may not be repeated. Credits: 3

CDS 4644 - Honors Thesis.

(Arr.-Arr.-3) (Replaces six semester hours of electives.) (May be repeated once to a maximum of six semester hours). Original research in speech, language, or hearing science. A written report and oral presentation are required. WI **Prerequisites & Notes:** Prior completion or concurrent enrollment in CDS 4666; Admission to the Department Honors Program in Communication Disorders and Sciences and permission of the department honors coordinator and department chair. Credits: 3

CDS 4666 - Honors Seminar.

(Arr.-Arr.-3) S. Reading and discussion of original research projects in speech, language, or hearing science. Attendance at presentations of original research. **Prerequisites & Notes:** Admission to the Department Honors Program in Communication Disorders & Sciences and permission of the department honors coordinator and department chair. Credits: 3

CDS 4690 - Honors Seminar in Communication Disorders and Sciences.

(3-1-3) F, S. A case study format is used to explore the etiology, diagnosis, and treatment of speech, language, and hearing disorders. The focus of this course is on the use of critical thinking skills and evidence-based practice information to design diagnostic plans, interpret diagnostic results and develop treatment plans. The lab component which is unique to the honor's course will discuss research methods and experimental designs for answering evidence-based diagnostic and treatment questions. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and completion of CDS 3100, 3200, 3700, 3900, 4666, and PSY 2610; and completion of or current enrollment in CDS 4300. Open only to Senior CDS majors. Course may not be repeated. Credits: 3

CDS 4760 - Voice Production and Disorders.

(3-0-3) F. Study of normal anatomy and physiology of voice production and the etiology of and treatment of functional, psychogenic, neurologic, and organic voice disorders. **Prerequisites & Notes:** CDS 2500, 2800; Admission to the major or permission of the instructor. Credits: 3

CDS 4800 - Communication Modalities.

(3-1-3) S. Course will provide information on expressive, nonverbal communication systems (sign language, and alternative and augmentative communication). These areas represent communication modes relevant to the practice of speech-language pathology. **Prerequisites & Notes:** CDS 3100, 3200, and 3700. Credits: 3

CDS 4820 - Language and Literacy.

(2-0-2) S. Course content will cover the oral to written language connection and the role of the speech-language pathologist in facilitating development of literacy skills. Assessment and intervention techniques will be covered. **Prerequisites & Notes:** Admission to the major, CDS 3100, 3200, 3700; or permission of the chair. Credits: 2

CDS 4850 - Independent Study.

(Arr.-Arr.-1 to 6) (May be repeated once to maximum of six semester hours.) Independent directed study in speech, language, or hearing processes or disorders. **Prerequisites & Notes:** Admission to major and permission of department chair. Credits: 1 to 6

CDS 4900 - Clinical Practice.

(Arr.-Arr.-1) F, S. (Credit/No Credit) Supervised work with persons with a communication disorder. **Prerequisites & Notes:** Admission to the major, CDS 3100, 3200, 3700, 3900; a major GPA of 2.75 and a cumulative GPA of 2.50; or permission of the department chairperson. May be repeated for a maximum of 2 semester hours with permission of the Department Chair. This course is available during Summer Session only with permission of the department chair. Credits: 1

COMMUNICATION STUDIES (CMN)

CMN 1310G - Introduction to Speech Communication.

(3-0-3) (Graded A, B, C, N/C) Fundamental principles of selecting, analyzing, evaluating, organizing, developing, and communicating information, evidence, and points of view orally. The course includes instruction in techniques of listening and informative, persuasive, and reactive speaking. Note: A grade of 'C' or better in ENG 1001G, ENG 1002G, and CMN 1310G or in accepted substitutions is a requirement for the Bachelor's degree at Eastern as well as a General Education requirement. C2 900 Credits: 3

CMN 1390G - Introduction to Speech Communication, Honors.

(3-0-3) (Graded A, B, C, N/C) Fundamental principles of selecting, analyzing, evaluating, organizing, developing and communicating information, evidence, and points of view orally. The course includes techniques of listening and informative, persuasive, and reactive speaking. C2 900 **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

CMN 2010 - Introduction to Communication Theories.

(3-0-3) On Demand. A survey of communication theories in rhetorical, public, interpersonal, organizational, and mediated contexts. Credits: 3

CMN 2020 - Communication Research Methods.

(3-0-3) On Demand. This course introduces students to the communication discipline through encountering its publications and resources. We will focus on the major areas of study and inquiry in communication studies, different research methods, and the use of APA style. Students will work on a variety of research and writing activities throughout the semester. WI Credits: 3

CMN 2030 - Applied Communication.

(3-0-3) On Demand. Study of communication principles and skills in applied contexts. Skills emphasized include public performance/presentations; teams, meetings, and project management; leadership and decision-making. Use and implications of new technologies are also addressed. Credits: 3

CMN 2040 - Argumentation and Critical Thinking.

(3-0-3) On Demand. Study of how to build, critique, and adapt arguments within a climate of disagreement. Practice in gathering and evaluation of evidence, selection and evaluation of reasoning, and the production, criticism and refinement of both oral and written arguments. Credits: 3

CMN 23751 - Practical Experience I.

(Arr-Arr-1) F. This course gives students practical experience in communication practices in an organizational setting. **Prerequisites & Notes:** The course is restricted to Communication Studies majors and minors and cannot be used as an elective in the major. May be repeated once for a combined maximum credit of 4 semester hours in practical experience. Credits: 1

CMN 23752 - Practical Experience II.

(Arr-Arr-1) F. This course gives students practical experience in communication practices in an organizational setting. **Prerequisites & Notes:** The course is restricted to Communication Studies majors and minors and cannot be used as an elective in the major. May be repeated once for a combined maximum credit of 4 semester hours in practical experience. Credits: 1

CMN 23753 - Practical Experience III.

(Arr-Arr-1) F. This course gives students practical experience in communication practices in an organizational setting. **Prerequisites & Notes:** The course is restricted to Communication Studies majors and minors and cannot be used as an elective in the major. May be repeated once for a combined maximum credit of 4 semester hours in practical experience. Credits: 1

CMN 23754 - Practical Experience IV.

(Arr-Arr-1) F. This course gives students practical experience in communication practices in an organizational setting. **Prerequisites & Notes:** The course is restricted to Communication Studies majors and minors and cannot be used as an elective in the major. May be repeated once for a combined maximum credit of 4 semester hours in practical experience. Credits: 1

CMN 2520 - Introduction to Mass Communication.

(3-0-3) On Demand. Survey of the origin and growth of the media, the social basis of radio, TV, and motion pictures and the physical nature of mass communications systems. Credits: 3

CMN 2525 - Studio Production.

(1-4-3) On Demand. Students receive an overview of the electronic media and learn basic audio and video production theories and techniques. Emphasis is on studio production. Students will be required to complete laboratory hours at WEIU-TV. Credits: 3

CMN 2550 - Broadcast Announcing.

(2-2-3) On Demand. A competency-based introduction to the process and problems of working with microphones in any "broadcasting" situation. Work will include diction and delivery techniques for broadcasting in addition to a study of microphone types, characteristics, and usages. MC 918 Credits: 3

CMN 2575 - Field Production.

(1-4-3) On Demand. Students learn theories and techniques of audio and video production, with an emphasis on field production, post-production, and broadcast news. Students will be required to complete laboratory hours at WEIU-TV and/or WEIU-FM. **Prerequisites & Notes:** CMN 2525 or permission of instructor. Credits: 3

CMN 2630 - Introduction to Interpersonal Communication.

(3-0-3) On Demand. Language and behavior analysis serve as a vehicle for exploring interpersonal communication through lecture and discussion. Students are exposed to principles of human communication with special emphasis placed on critical thinking as a tool for improving everyday communication skills and avoiding misunderstandings. Credits: 3

CMN 2650 - Introduction to Organizational Communication.

(3-0-3) This course includes basic theories, structures and functions of communication in business and professional settings. It also includes effective leadership, decision making, and management of communication techniques. Credits: 3

CMN 2920 - Introduction to Public Relations.

(3-0-3) F, S. This course surveys the history, growth, and practice of the public relations field while addressing the major issues public practitioners face today. It is designed to provide students with the necessary background of the public relations field a practitioner needs to be successful in our program and in the job market. It addresses public relations' dominant paradigm and major approaches while illuminating important issues faced by the field and the industry. Credit will not be given for both CMN 2920 and CMN/JOU 3920. Credits: 3

CMN 3100 - Persuasion.

(3-0-3) On Demand. This class will study symbolic communication intended to influence beliefs, attitudes, values, and behaviors. The course will focus on the critical assessment of persuasive messages, with additional attention to the theories and research behind persuasive message construction. Credits: 3

CMN 3200 - Introduction to Rhetoric and Social Critique.

(3-0-3) On Demand. The analysis of persuasive messages from a variety of mediums. Practice in the application of various critical perspectives to the analysis of persuasive messages. WI Credits: 3

CMN 3210 - Rhetorics of Protest, Movement, and Resistance.

(3-0-3) On Demand. Focused on western rhetorics of resistance from the 19th Century to the present, this course offers a survey of "texts" including speeches, manifestos, poetry, music, photographs, embodied protests, films, documentaries, websites, and coercive actions in an effort to analyze the rhetorical nature of social movement and change. WI Credits: 3

CMN 3220 - Communication, Race and Ethnicity.

(3-0-3) On Demand. This course examines the relationship between communication, race, and ethnicity in public discourse. Students will study rhetorical constructions of race and ethnicity and the ways in which those constructions embody and respond to social relations and power. WI Credits: 3

CMN 3230 - Advanced Public Speaking.

(3-0-3) On Demand. Principles and techniques of audience analysis, topic analysis and preparation, communication theories, and performance and evaluation. **Prerequisites & Notes:** CMN 1310G. Credits: 3

CMN 3240 - Religion in the American Public Sphere.

(3-0-3) On Demand. This course will explore the intersection of religion and public discourse in the political, social, and cultural spheres of the United States. The course will examine the extent to which religious ideas and language influence our collective identities and our ability to conceptualize various social, cultural, political, and ethical issues. WI Credits: 3

CMN 3250 - Rhetoric, Democracy, and the Public Sphere.

(3-0-3) On Demand. This course will examine the relationship between rhetoric, publics, and counterpublics in a diverse democracy. Students will examine rhetorical theories of argumentative spheres (private, technical, and public spheres) and critique public and counterpublic discourses. WI Credits: 3

CMN 3260 - Communication of Class in U.S. Culture.

(3-0-3) On Demand. This course examines ways in which socio-economic class is constituted through public discourses. Students will learn how to use critical theories to investigate discourses that sustain a multilayered class system. Topics include the discourses of poverty, homelessness, immigration, and media representations of class. Credits: 3

CMN 3270 - Communication and Popular Culture.

(3-0-3) On Demand. This course will examine texts normally not thought of as persuasive in an effort to examine how popular culture, as manifested through various forms of discourse, exerts influence on various audiences. WI Credits: 3

CMN 3300 - Interviewing.

(3-0-3) On Demand. This writing intensive course is designed for students to become thoroughly knowledgeable in the process of interviewing in various contexts. Students will engage in projects related to each context and demonstrate expertise via several interview projects and major research papers. WI Credits: 3

CMN 3470 - Small Group Communication.

(3-0-3) On Demand. An analysis of theoretical constructs in group dynamics, leadership, participation, and evaluation of group performance. **Prerequisites & Notes:** CMN 2030 or Permission of Instructor. Credits: 3

CMN 3500 - Electronic Media Relations.

(2-2-3) On Demand. An exploration of the electronic media tools used by public relations professionals and communication strategies employed to establish credible relationships with the press. **Prerequisites & Notes:** CMN 2920 or permission of instructor. Credits: 3

CMN 3520 - Radio Production.

(1-4-3) On Demand. Study of equipment and techniques involved in producing radio programs; announcing, scripting, writing, and producing. Practical experience in a variety of production experiences. Students will be required to complete laboratory hours at WEIU-FM. MC 915 **Prerequisites & Notes:** CMN 2525, 2550. Credits: 3

CMN 3530 - Film Communication

(3-2-4) Film as the expression of the performers, producers, directors, writers, and technicians. Critical discussion of film theory, history, and criticism. WI Credits: 4

CMN 3540 - Videography.

(1-4-3) On Demand. The study and practice of the production of video programs, with an emphasis on camera techniques. Practical experience in a wide variety of production exercises. **Prerequisites & Notes:** CMN 2575 or Permission of Instructor. Credits: 3

CMN 3560 - International Communication.

(3-0-3) On Demand. Examines cultural, social, political, economic, and regulatory dimensions of international communication media: topics include nation, nationalism, culture, and communication; comparative studies of international media systems; communication and development; international relations, diplomacy, and the media; the rise of global culture; cultural autonomy and globalization. **Prerequisites & Notes:** CMN 2520. Credits: 3

CMN 3570A - Topics in Media History I.

(3-0-3) On Demand. Topics in Media History provides an in-depth study of the history of one particular medium (e.g. film, radio, television, or the internet). It will cover the development of media technology, the structure of media institutions and their regulation, and the social and cultural significance of these media. **Prerequisites & Notes:** CMN 2520. May be repeated once when topics vary. Credits: 3

CMN 3570B - Topics in Media History II.

(3-0-3) On Demand. Topics in Media History provides an in-depth study of the history of one particular medium (e.g. film, radio, television, or the internet). It will cover the development of media technology, the structure of media institutions and their regulation, and the social and cultural significance of these media. **Prerequisites & Notes:** CMN 2520. May be repeated once when topics vary. Credits: 3

CMN 3570D - Topics in Media History III.

(3-0-3) On Demand. Topics in Media History provides an in-depth study of the history of one particular medium (e.g. film, radio, television, or the internet). It will cover the development of media technology, the structure of media institutions and their regulation, and the social and cultural significance of these media. **Prerequisites & Notes:** CMN 2520. May be repeated once when topics vary. Credits: 3

CMN 3610 - Broadcast News.

(2-2-3) On Demand. The study and practice of basic broadcast news skills with an emphasis on gathering, writing, producing and disseminating information via radio and television. Cross-listed with JOU 3610. WC **Prerequisites & Notes:** JOU 3002 or CMN 2575, or permission of instructor. Credit not granted for both JOU 3610 and CMN 3610. Credits: 3

CMN 3620 - Advanced Broadcast News.

(2-2-3) On Demand. The study and practice of advanced broadcast news skills with an emphasis on writing, shooting, editing, anchoring, reporting and producing news for radio, television and online media. Cross-listed with JOU 3620. **Prerequisites & Notes:** CMN/JOU 3610 or permission of instructor. Credit not granted for both JOU 3620 and CMN 3620. Credits: 3

CMN 3640 - Advanced Interpersonal Communication.

(3-0-3) On Demand. This course is designed to provide advanced understandings of interpersonal communication. Major theories and research findings are utilized to explain personal and professional interactions in multiple interpersonal contexts. Particular attention is given to communication with family, friends, romantic partners, and in the workplace. **Prerequisites & Notes:** CMN 2630 (Cannot be taken concurrently.) Credits: 3

CMN 3650 - Communication in Organizations.

(3-0-3) On Demand. A study of the impact of organizational structure on communication practices and processes. Examines issues relevant to the effective management of communication in organizations. WI **Prerequisites & Notes:** CMN 2650 or permission of instructor. Credits: 3

CMN 3660 - Communication and Conflict Management.

(3-0-3) On Demand. This course studies interpersonal conflict from a communication perspective. It examines the forces that generate conflict and the techniques that can be used to manage those forces. WI Credits: 3

CMN 3710 - Intercultural Communication.

(3-0-3) On Demand. Overview of culture and communication on regional, national, and international levels. Examines ways in which cultures respond differently to business, education, and health care contexts. Explores how culture influences perceptions and communication, and provides guidelines for effective intercultural communication. SPC 916 **Prerequisites & Notes:** CMN 2630 or permission of instructor. Credits: 3

CMN 3750 - Computer Mediated Communication I.

(3-0-3) On Demand. This course explores the role of message construction and delivery strategies in effective communication in technological environments. **Prerequisites & Notes:** CMN 2030. Credits: 3

CMN 3752 - Computer Mediated Communication II.

(3-0-3) On Demand. This course explores the role that communication systems, structures, and applications have in the delivery of effective mediated messages. **Prerequisites & Notes:** CMN 2030 and CMN 3750. Credits: 3

CMN 3900 - Directing Forensic Activities.

(3-0-3) On Demand. Designed to prepare those entering the field of speech education on the secondary and college levels to direct an extracurricular forensics program. **Prerequisites & Notes:** CMN 2320 and 2040 or permission of instructor. Credits: 3

CMN 3903 - Communication of Gender and the Body.

(3-0-3) On Demand. This course is an exploration of the ways in which identity categories, such as woman and man, feminine and masculine, homosexual and heterosexual, are constructed and maintained through public and popular discourses. In part, we will study the theoretical literatures in communication, feminism, poststructural, and queer theory that "trouble" supposedly static categories of gender. Credits: 3

CMN 3910 - Communication in Health Professions.

(3-0-3) F. A study of the role communication plays in the health professions including an examination of the health professions and the application of speaking, listening, interpersonal, small group, organizational, and mass communication skills and concepts to health careers. Cross-listed with HST 3910. Credits: 3

CMN 3920 - Public Relations in Society

(3-0-3) On Demand. A study of the impact public relations has in society with major emphasis on providing information to the media (publicity), establishing mutually beneficial relations (employee, consumer and community relations), and serving as the organization's conscience (counseling). Credit will not be given for both CMN 3920 and JOU 3920. Credits: 3

CMN 3940 - Advertising: Theory and Practice.

(3-0-3) On Demand. A broad review of the research and practice associated with advertising, organization of the advertising industry, role of advertising in promotion, types of advertising, and various media vehicles. Evaluation of media in relationship to marketing objectives and critical analysis of advertising processes. **Prerequisites & Notes:** CMN 3100. Credits: 3

CMN 3950 - Conferences and Event Planning.

(1-4-3) On Demand. This course is designed to introduce students to the basic concepts and principles of conferences and event planning management. It is an applied course designed to introduce students to the planning process, sponsorships, promotion, and creative strategies that are part of events. **Prerequisites & Notes:** CMN 2650. Credits: 3

CMN 3953 - Perspectives on Sports and the Media.

(3-0-3) On Demand. An examination of the impact sports and the mass media have had and are continuing to have on each other. Focus on the history of sportswriting and sports broadcasting and the state of these fields today. Credit will not be given for both CMN 3953 and JOU 3953. Cross-listed with JOU 3953. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G; JOU 2001 or CMN 2520 or permission of instructor. Credits: 3

CMN 3960 - Advocacy and Message and Design.

(3-0-3) On Demand. This course is intended to introduce students to advocacy and message design. It is an applied course designed to develop essential writing skills for a career in advertising, corporate communication, public relations or other areas in communication. WI **Prerequisites & Notes:** CMN 2920 or permission of instructor. Credits: 3

CMN 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

CMN 40001 - Independent Study I.

(Arr.-Arr.-3) On Demand. Consideration of special problems in communication and communication education. Student presents individual study plan for researching history, theory, and/or practice of oral communication. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, permission of the chair and 2.75 grade-point average. May be repeated once for credit, but only six hours of credit in any combination of CMN 4000, 4275 and 4375 may be counted for a single option. Credits: 3

CMN 40002 - Independent Study II.

(Arr.-Arr.-3) On Demand. Consideration of special problems in communication and communication education. Student presents individual study plan for researching history, theory, and/or practice of oral communication. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, permission of the chair and 2.75 grade-point average. May be repeated once for credit, but only six hours of credit in any combination of CMN 4000, 4275 and 4375 may be counted for a single option. Credits: 3

CMN 4030A - Seminar I.

(3-0-3) On Demand. Seminar in topics which are not covered in the course offerings of the Department of Communication Studies. More than one section in more than one topic possible each semester. May be repeated once when topics vary. A maximum of six hours of CMN 4030 may count toward the major. Credits: 3

CMN 4030B - Seminar II.

(3-0-3) On Demand. Seminar in topics which are not covered in the course offerings of the Department of Communication Studies. More than one section in more than one topic possible each semester. May be repeated once when topics vary. A maximum of six hours of CMN 4030 may count toward the major. Credits: 3

CMN 4030D - Seminar III.

(3-0-3) On Demand. Seminar in topics which are not covered in the course offerings of the Department of Communication Studies. More than one section in more than one topic possible each semester. May be repeated once when topics vary. A maximum of six hours of CMN 4030 may count toward the major. Credits: 3

CMN 4030E - Seminar IV.

(3-0-3) On Demand. Seminar in topics which are not covered in the course offerings of the Department of Communication Studies. More than one section in more than one topic possible each semester. May be repeated once when topics vary. A maximum of six hours of CMN 4030 may count toward the major. Credits: 3

CMN 42751 - Internship I.

(Arr.-Arr.-1-12) On Demand. (Credit/No Credit) On-the-job experience in a firm or organization approved by the department. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of internship director, acceptance by firm, and a cumulative 2.75 G.P.A., or 3.0 within the major. To be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once for credit, but only six hours of credit in any combination of CMN 40001 or 40002, 4275 and 4375 may be counted for a single option. Credits: 1 to 12

CMN 42752 - Internship II.

(Arr.-Arr.-1-12) On Demand. (Credit/No Credit) On-the-job experience in a firm or organization approved by the department. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of internship director, acceptance by firm, and a cumulative 2.75 G.P.A., or 3.0 within the major. To be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once for credit, but only six hours of credit in any combination of CMN 40001 or 40002, 4275 and 4375 may be counted for a single option. Credits: 1 to 12

CMN 42753 - Internship III.

(Arr.-Arr.-1-12) On Demand. (Credit/No Credit) On-the-job experience in a firm or organization approved by the department. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of internship director, acceptance by firm, and a cumulative 2.75 G.P.A., or 3.0 within the major. To be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once for credit, but only six hours of credit in any combination of CMN 40001 or 40002, 4275 and 4375 may be counted for a single option. Credits: 1 to 12

CMN 42754 - Internship IV.

(Arr.-Arr.-1-12) On Demand. (Credit/No Credit) On-the-job experience in a firm or organization approved by the department. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of internship director, acceptance by firm, and a cumulative 2.75 G.P.A., or 3.0 within the major. To be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once for credit, but only six hours of credit in any combination of CMN 40001 or 40002, 4275 and 4375 may be counted for a single option. Credits: 1 to 12

CMN 43751 - Practicum I.

(Arr.-Arr.-1-3) On Demand. (Credit/No Credit) Students apply communication skills in a leadership and supervisory role. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of instructor, permission of chair, 2.75 cumulative G.P.A. or cumulative 3.0 SPC G.P.A. Minimum of 40 contact hours for each semester hour of credit. May be repeated once for credit, but only six hours of credit in any combination of CMN 4000, 4275 and 4375 may be counted for a single option. Credits: 1 to 3

CMN 43752 - Practicum II.

(Arr.-Arr.-1-3) On Demand. (Credit/No Credit) Students apply communication skills in a leadership and supervisory role. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, 12 hours of CMN courses, permission of instructor, permission of chair, 2.75 cumulative G.P.A. or cumulative 3.0 SPC G.P.A. Minimum of 40 contact hours for each semester hour of credit. May be repeated once for credit, but only six hours of credit in any combination of CMN 4000, 4275 and 4375 may be counted for a single option. Credits: 1 to 3

CMN 4420 - Mass Media Advertising-Sales.

(3-0-3) On Demand. A study of theory, ethics, and legal implications of mass media advertising to include analysis of marketing problems and the role of advertising in their solution. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 2520 and 2650 or permission of Instructor. Credits: 3

CMN 44441 - Honors Independent Study I.

(Arr.-Arr.-3-6) On Demand. Consideration of special topics in speech communication. Student presents a prospectus for researching history, theory, and/or practice of oral communications. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, admission to the Departmental Honors Program and permission of Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 3 to 6

CMN 44442 - Honors Independent Study II.

(Arr.-Arr.-3-6) On Demand. Consideration of special topics in speech communication. Student presents a prospectus for researching history, theory, and/or practice of oral communications. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, admission to the Departmental Honors Program and permission of Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 3 to 6

CMN 45551 - Honors Research I.

(Arr.-Arr.-3-6) On Demand. In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, admission to the Departmental Honors Program and permission of Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 3 to 6

CMN 45552 - Honors Research II.

(Arr.-Arr.-3-6) On Demand. In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, admission to the Departmental Honors Program and permission of Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 3 to 6

CMN 4450 - Electronic Media Profession.

(3-0-3) On Demand. An overview of the Electronic Media profession, including an in-depth look at radio and television organizational structures, programming strategies, revenue streams, regulation, ethical standards, and current issues. **Prerequisites & Notes:** CMN 2575. Credits: 3

CMN 4500A - Topics in Electronic Media Production I.

(2-2-3) On Demand. A detailed examination of specific theories and practices related to electronic media production. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, and CMN 2525 and CMN 3520 or CMN 2525, 2575 and CMN 3540 or permission of instructor. May be repeated when topics vary. Credits: 3

CMN 4500B - Topics in Electronic Media Production II.

(2-2-3) On Demand. A detailed examination of specific theories and practices related to electronic media production. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, and CMN 2525 and CMN 3520 or CMN 2525, 2575 and CMN 3540 or permission of instructor. May be repeated when topics vary. Credits: 3

CMN 4500D - Topics in Electronic Media Production III.

(2-2-3) On Demand. A detailed examination of specific theories and practices related to electronic media production. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, and CMN 2525 and CMN 3520 or CMN 2525, 2575 and CMN 3540 or permission of instructor. May be repeated when topics vary. Credits: 3

CMN 4500E - Topics in Electronic Media Production IV.

(2-2-3) On Demand. A detailed examination of specific theories and practices related to electronic media production. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, and CMN 2525 and CMN 3520 or CMN 2525, 2575 and CMN 3540 or permission of instructor. May be repeated when topics vary. Credits: 3

CMN 4540 - Advanced Video Production.

(1-4-3) On Demand. This course deals with the principles of preproduction planning, scripting, lighting, and audio and video mixing for studio and remote television productions as unified by the television director. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 2575 or permission of instructor. Credits: 3

CMN 4644 - Honors Thesis.

(3) On Demand. Intensive research in preparation of a thesis on a topic in speech communication approved by a faculty supervisor and the Department Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, admission to the Departmental Honors Program and permission of Honors Coordinator. Credits: 3

CMN 4650 - Simulation in Organizational Communication.

(3-0-3) On Demand. Simulation in Organizational Communication offers students the unique opportunity to participate actively in their learning with a corporate simulation designed especially for communication students. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 2650 and 3650 or permission of instructor. Credits: 3

CMN 4651 - Communication Training: Theory and Practice.

(3-0-3) On Demand. An examination of how communication theories are used in the training environment. Emphasis is placed on the principles related to design, content, and delivery of programs that result in communication knowledge and skill development. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 2030, 2650, 3470 and 3650 or permission of instructor. Credits: 3

CMN 4666 - Honors Seminar.

(Arr. Arr. 3-6) On Demand. Areas of investigation which require integration of speech communication concepts and research will be treated, e.g., effects of mass communication, criticism of speakers or media, evaluation of communication techniques. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, admission to the Departmental Honors Program and permission of Honors Coordinator. Credits: 3 to 6

CMN 4700 - Rhetoric, Identity and Social Responsibility.

(3-0-3) On Demand. The public exchange of ideas is an important and contested element of civic life. This class will offer an historical survey of scholars, writers and citizens who have theorized about the rhetorical process. WI **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, CMN 2040, and CMN 3100. Credits: 3

CMN 4750 - Contemporary Approaches to Mass Communication.

(3-0-3) On Demand. Survey of legal procedures of broadcast law, a survey of audience analysis, the structure of mass communications audiences, propaganda, communication networks, social and self-regulation of the media, and current research. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 2520 or graduate standing or permission of instructor. Credits: 3

CMN 4765 - Communication in Families.

(3-0-3) On Demand. An examination of communicative structure, function, and process among family members. The family system as a whole and major sub-systems (parent-child, siblings, spouses) are explored. Emphasis is on the role of communication in the construction, maintenance, and change of family relationships throughout the family lifecycle. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better. Credits: 3

CMN 4770 - Television Criticism.

(3-0-3) On Demand. Students use rhetorical, economic, and aesthetic approaches to analyze and evaluate television. Lecture, discussions, selected viewings, intensive writing and examinations. WI **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better. Credits: 3

CMN 4780 - Communication and Culture.

(3-0-3) On Demand. This course provides an overview of key theories, concepts, and approaches to the study of communication and culture as practiced in communication. It covers the history of the academic study of communication and culture, the application of critical methods, cultural studies and communication, and the study of social relations, power and communication. WI **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, and CMN 3200 or CMN 3270 or CMN 3560 or graduate standing. Credits: 3

CMN 4800 - Voices of Democracy.

(3-0-3) On Demand. Study of competing points of view on a series of critical issues of the Twentieth Century. WI **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better. Credits: 3

CMN 4820 - Political Communication.

(3-0-3) On Demand. This course examines the interactive role between public communication and politics. Students will study how communication is involved in the various aspects of campaigning for and fulfilling the duties of public office. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better. Credits: 3

CMN 4850A - Topics in Computer Mediated Communication I.

(3-0-3) On Demand. A detailed examination of specific theories and practices related to communication technology. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with

a grade of C or better, and CMN 2030, 3750 and 3752 or permission of instructor. May be repeated once with a change in course content. Credits: 3

CMN 4850B - Topics in Computer Mediated Communication II.

(3-0-3) On Demand. A detailed examination of specific theories and practices related to communication technology. Specific topics will vary according to student demand, availability, and interest of faculty. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of C or better, and CMN 2030, 3750 and 3752 or permission of instructor. May be repeated once with a change in course content. Credits: 3

CMN 4910 - Applied Health Communication.

(3-0-3) S. An examination of applied health communication in the interpersonal, organizational, and mediated contexts. Emphasis is on higher order application of skills from different occupational perspectives. Cross-listed with HST 4910. Credits: 3

CMN 4919 - Public Relations Techniques.

(3-0-3) On Demand. Effective techniques of a public relations program including basic concepts and principles of the public relations profession, the roles and functions, planning, managing, and executing campaigns. **Prerequisites & Notes:** Completion of CMN 2010, 2020, 2030, 2040 with a grade of "C" or better, CMN 3100, 3960, and senior standing. Credit will not be given for both CMN 4919 and JOU 4919. Credits: 3

CMN 4920 - Case Studies in Public Relations Problems.

(3-0-3) On Demand. Public relations case problems in industry, business, labor, education, government, social welfare and trade associations; the application of public relations techniques. **Prerequisites & Notes:** CMN 3960 or permission of instructor. Credit will not be given for both CMN 4920 and JOU 4920. Credits: 3

EARTH SCIENCE (ESC)

ESC 1300G - Introduction to Earth Sciences.

(3-2-4) An introduction to earth processes, resources, rocks, minerals, maps, time, and plate tectonics. The interaction of natural processes in the physical environment and human activity will be discussed. Cross-listed with GEL 1300G. Lab work and field trip are required. P1 907L **Prerequisites & Notes:** Grade and credit hours for this course will be removed if student already has credit for or is registered in ESC/GEL 1320G. Credits: 4

ESC 1320G - Geology of National Parks.

(3-2-4) F, S. Explore the interesting features and sweeping landscapes that make the National Park system the pride of America. From a scientific perspective, students will become familiar with the geologic phenomena existing in the National Parks and gain a better appreciation of their creation and importance. Learning about these natural wonders will be facilitated by lecture, videos, virtual field trips, lab work and a field trip. Cross listed with GEL 1320G. **Prerequisites & Notes:** Grade and credit hours for this course will be removed if student already has credit for or is registered in ESC/GEL 1300G. Credits: 4

ESC 1390G - Introduction to Earth Sciences, Honors.

(3-2-4) On Demand. Study of the planet Earth as a system consisting of the lithosphere, hydrosphere, and atmosphere. Emphasis on how processes occurring within the solid, liquid, and gaseous portions of the Earth system act to influence its surface. Field trips and short papers will stress scientific communication skills. Cross-listed with GEL 1390G. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

ESC 1400G - Weather and Climate.

(3-2-4) F, S. This course provides a basic understanding of global weather and climate processes. It emphasizes prominent theoretical and applied aspects of the atmosphere that affect our everyday life. Topics covered also include contemporary issues such as weather analysis, severe weather, weather forecasting, and climate change. P1 905L Credits: 4

ESC 1490G - Weather and Climate, Honors.

(3-2-4) On Demand. An introduction to the study of the atmosphere and its processes. Topics include: atmospheric structure and composition, weather elements, climatic change, and interactions between man and the atmosphere. Research papers and field trips required. P1 905L WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

ESC 1500G - Introduction to Physical Geography and Earth Systems Science.

(3-2-4) F, S. An introduction to the Earth's physical geography - the atmosphere (air), hydrosphere (water), lithosphere (solid Earth), and biosphere (life) - and how these integrated systems influence one another and provide ecosystem services for all life on Earth. Credits: 4

ESC 2420 - Regional Geomorphology.

(2-2-3) On Demand. Landforms of the United States; work with maps of landforms; consideration to composition, distribution and the processes by which the land is shaped. Field trip. P1 905L Credits: 3

ESC 2450G - Oceanography.

(3-0-3) Integrated, descriptive study of the World Ocean, including the physics, chemistry, biology, and geology of the marine environment and the interrelationship between the World Ocean and human activities. Cross-listed with GEL 2450G. Credits: 3

ESC 3010G - Environmental Physical Sciences.

(3-0-3) A study of physical environmental Earth processes and their interrelationship with human activities. This will include both the impact of the Earth on human communities and the impact of human communities on the Earth. Cross-Listed with GEL 3010G. Credits: 3

ESC 3020 - Natural Disasters: Causes and Effects.

(3-0-3) F. An overview of hazardous environments, natural or partly induced by human activity. Emphasis on understanding the physical processes and social systems that interact to produce disasters. Considers spatial and temporal distribution of hazards with reference to human populations. Provides options for assessing risk, disaster preparation and loss reduction. Cross listed with GEG 3020. WI Credits: 3

ESC 3200 - Human Impacts on the Environment.

(3-0-3) Emphasis on human impacts on the environment and the necessity of conservation. Discussion of sustainability and resources as potential factors limiting society's development. Focus on humans as agents of environmental change. Cross-listed with GEG 3200. Credits: 3

ESC 3300 - Soils.

(2-2-3) On Demand. Overview of soil sciences such as taxonomy, soil formation, properties of soils, common soil problems and their solutions, evaluation of soils, and pollution from uses of soils. **Prerequisites & Notes:** GEL/ESC 1300G or GEL/ESC 1320G or GEL/ESC 1390G or GEL/ESC3010G; and CHM 1310G and 1315G. Credits: 3

ESC 3400 - Broadcast Meteorology Practicum.

(3-0-3) F. Study of forecasting techniques, synoptic meteorology, and using scientific methods in determining a meteorological forecast for the general public. Students will engage in preparing daily forecasts from meteorological models and then broadcast their results online. This course will enhance the students' future in broadcasting by merging science and communication. Students will have an opportunity to work with WEIU-TV. Cross-listed with GEG 3400. **Prerequisites & Notes:** ESC 1400G. Credits: 3

ESC 3410 - Climatology.

(2-2-3) F. Study of the earth's energy and water balances, climate classification systems, synoptic climatology, paleoclimatology, agricultural and urban climatology, theory of jet streams. **Prerequisites & Notes:** ESC 1400G (or equivalent). Credits: 3

ESC 3415 - The Restless Atmosphere.

(3-0-3) On Demand. This course is designed to provide students with an understanding of the essential processes responsible for determining patterns in our atmospheric system. It will emphasize principal components of the atmosphere from a human perspective. Topics covered will include discussions of climate variability, severe weather, anthropogenic climate change, and atmospheric forecasting. It also stresses the dynamic nature of the atmosphere as it affects humans and their activities. Cross-listed with GEG 3415. Credits: 3

ESC 3530 - Medieval Archaeology and Cultural Heritage in Europe.

(4-0-4) S. An introduction to archaeology as a crossroads discipline, integrating a humanistic inquiry into history with the scientific methodologies which help evaluate the vestiges of past material culture. It is taught only abroad, and emphasizes the cultural heritage of the host country. May not be repeated. Cross-listed with HIS 3530. **Prerequisites & Notes:** Corequisite: STA 3970. Consent of the instructor. Credits: 4

ESC 3550 - Surface Water Processes and Resources.

(2-2-3) On Demand. Principles of the water cycle, surface and subsurface routing, drainage basins, stream channel form and processes, effects of climate. Illustrates human responses to and modification of hydrologic systems. Field trip required. Writing intensive. WI **Prerequisites & Notes:** ESC/GEL 1300G. Credits: 3

ESC 3830 - GIS: Building Geodatabases.

(2-2-3) S. This course covers the fundamental concepts of building geographic databases and focuses on the storage, management, and quality control of GIS data. Students will learn how to create Esri Geodatabases, how to migrate existing data to a geodatabase, and how to edit data stored in a geodatabase. GEG 5830 is an equivalent course. Cross-listed with GEG 3830. **Prerequisites & Notes:** GEG 3810 or permission from the instructor. Credits: 3

ESC 3850 - GPS: Mapping the Modern Way.

(2-2-3) S. Introduction to the Global Positioning System, with an emphasis on GPS theory, GPS field applications, GPS data manipulation, and GPS data presentation using computer mapping techniques. Cross-listed with GEG 3850. Credits: 3

ESC 39601 - Special Topics I.

(Arr.-Arr.-1-4) On Demand. Readings, discussion, reports, on-campus and off-campus fieldwork on specific areas of topics in earth science. May be repeated once. No more than six hours of Special Topics credit. **Prerequisites & Notes:** Minimum of two courses in earth science (ESC) or consent of the instructor. Credits: 1 to 4

ESC 39602 - Special Topics II.

(Arr.-Arr.-1-4) On Demand. Readings, discussion, reports, on-campus and off-campus fieldwork on specific areas of topics in earth science. May be repeated once. No more than six hours of Special Topics credit. **Prerequisites & Notes:** Minimum of two courses in earth science (ESC) or consent of the instructor. Credits: 1 to 4

ESC 39603 - Special Topics III.

(Arr.-Arr.-1-4) On Demand. Readings, discussion, reports, on-campus and off-campus fieldwork on specific areas of topics in earth science. May be repeated once. No more than six hours of Special Topics credit. **Prerequisites & Notes:** Minimum of two courses in earth science (ESC) or consent of the instructor. Credits: 1 to 4

ESC 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

ESC 3990 - Medieval Archaeology, Honors.

(Arr.-Arr.-1-4). An introduction to archaeology as a crossroads discipline, integrating a humanistic inquiry into history with the scientific methodologies which help evaluate the vestiges of past material culture. It will be taught only within the Semester Abroad program and

emphasize the cultural heritage in the countries concerns. May be repeated. Cross-listed with HIS 3990. WI **Prerequisites & Notes:** Students enrolled for credit must be admitted to the Honors College and must enroll for four semester hours. Student auditors must have permission of the Dean of the Honors College and may enroll for one to four semester hours. Credits: 1 to 4

ESC 42751 - Internship in Earth Science I.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Earth Science minor.

Prerequisites & Notes: Completion of at least 9 hours of course work toward Earth Science minors, permission of the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

ESC 42752 - Internship in Earth Science II.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Earth Science minor.

Prerequisites & Notes: Completion of at least 9 hours of course work toward Earth Science minors, permission of the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

ESC 42753 - Internship in Earth Science III.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Earth Science minor.

Prerequisites & Notes: Completion of at least 9 hours of course work toward Earth Science minors, permission of the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

ESC 44001 - Independent Study I.

(Arr.-Arr.-1) Individual study under faculty supervision on a topic selected by the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Permission of the faculty supervisor and approval of the department chairperson. Credits: 1

ESC 44002 - Independent Study II.

(Arr.-Arr.-2) Individual study under faculty supervision on a topic selected by the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Permission of the faculty supervisor and approval of the department chairperson. Credits: 2

ESC 44003 - Independent Study III.

(Arr.-Arr.-3) Individual study under faculty supervision on a topic selected by the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Permission of the faculty supervisor and approval of the department chairperson. Credits: 3

ESC 44301 - Undergraduate Research in Earth Science I.

(Arr.-Arr.-1) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required.

Prerequisites & Notes: Completion of 15 semester hours of Earth Science/Geology courses (ESC/GEL), permission of department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 1

ESC 44302 - Undergraduate Research in Earth Science I.

(Arr.-Arr.-2) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required.

Prerequisites & Notes: Completion of 15 semester hours of Earth Science/Geology courses (ESC/GEL), permission of department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 2

ESC 44303 - Undergraduate Research in Earth Science II.

(Arr.-Arr.-3) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required.

Prerequisites & Notes: Completion of 15 semester hours of Earth Science/Geology courses (ESC/GEL), permission of department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 3

ESC 4900 - Earth Science Field Experience for Teachers.

(2-6-5) Su. Introduction to and field investigations of earth materials and resources, geological and geomorphical processes, and their historical relationships. **Prerequisites & Notes:** Teaching certificate or permission of the instructor. Credits: 5

ESC 4950 - Earth Science Field Experience Research for Teachers.

(Arr.-Arr.-1-3) Su or F. Research on specific topic or topics developed while enrolled in ESC 4900. **Prerequisites & Notes:** Prerequisite or corequisite: ESC 4900. Credits: 1 to 3

ECONOMICS (ECN)

ECN 2800G - Economics of Social Issues.

(3-0-3) This is an applied economics course. It analyzes current social issues using concepts, principles, and models from economic theory. Not equivalent to ECN 2801G or ECN 2802G and may not be counted as part of the 36 semester-hour requirement for an economics major, nor the 21 semester-hour requirement for an economics minor, nor the Option in Economics with International Studies. Credits: 3

ECN 2801G - Principles of Macroeconomics.

(3-0-3) Macroeconomics – An exploration of the policy options, such as changes in taxation, government spending, the money supply or interest rates, available to government agents to achieve the goal of stable prices, high employment, and steady growth. Online sections are available to off-campus students only. S3 901 Credits: 3

ECN 2802G - Principles of Microeconomics.

(3-0-3) Microeconomics – An exploration of consumer behavior, of how firms decide upon profit-maximizing price and output rates under various market conditions, and of the labor and capital markets. S3 902 **Prerequisites & Notes:** ECN 2801G or ECN 2891G. Online sections are available to off-campus students only. Credits: 3

ECN 2891G - Principles of Macroeconomics, Honors.

(3-0-3) F. An exploration of the policy options, such as changes in taxation, government spending, the money supply or interest rates, available to government agents to achieve the goals of stable prices, high employment and steady growth. May be used as a substitute for ECN 2801G. S3 901 **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

ECN 2892G - Principles of Microeconomics, Honors.

(3-0-3) S. An exploration of consumer behavior, of how firms decide upon profit maximizing price and output rates under various market conditions, and of the labor and capital markets. May be used as a substitute for ECN 2802G. S3 902 **Prerequisites & Notes:** ECN 2801G or ECN 2891G and admission to the University Honors College. Credits: 3

ECN 3100 - Global Threats and Problems.

(3-0-3) S. An interdisciplinary study of current global problems. Four different social scientific approaches will be used to analyze complex questions regarding the survival of humanity given current threats to our environments, cultures, geopolitical affiliations, and socioeconomic structures. Topics may include famine, terrorism, information control, and disease, among others. Course may not be repeated. Cross-listed with CSC/GEG/PLS/SOC 3100. Credits: 3

ECN 3450 - Game Theory.

(3-0-3) S. The analysis of strategic choice problems. Introduces solution techniques for sequential and simultaneous games, development of pure and random strategies, and the concept of equilibrium. Applications to economic, social, political, and biological sciences including coordination and collective action problems, voting strategies and coalitions, and evolutionarily stable strategies. **Prerequisites & Notes:** MAT 1271; may not be taken concurrently. Credits: 3

ECN 3720 - Sports Economics.

(3-0-3) F. The application of the principles of economics to evaluate professional and amateur sports, focusing on issues such as league structure, team decision-making, labor relations, stadium financing, and the role of public policy. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 3780 - Industrial Organization.

(3-0-3) S. A survey of Industrial Organization, a branch of applied microeconomics which examines the causes and effects of different market structures on pricing and product choices. Students will analyze strategic economic interaction among consumers, firms, and government as it relates to subjects such as price discrimination, advertising, contracting, and anti-trust policy. **Prerequisites & Notes:** ECN 2802G or permission of the department chairperson. Credits: 3

ECN 3810 - Economics of Natural Resources.

(3-0-3) F. An introduction to the economic analysis of natural resources and the environment. Credits: 3

ECN 3833 - Economic Development of Modern Europe.

(3-0-3) S. A survey of the economic history of Europe with primary emphasis on the period after 1850. Credits: 3

ECN 3835 - American Economic Development.

(3-0-3) F. An examination of the evolution of the U.S. economy with an emphasis on basic economic institutions and the major forces in the process of growth and development. WI Credits: 3

ECN 3851 - Public Finance.

(3-0-3) F, S. A study of taxation, government spending, public debt, and the role of government in a market economy. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 3853 - Urban and Regional Economics.

(3-0-3) S. An introduction to spatial economics with emphasis on policy and planning to alleviate social problems that result from the uneven distribution of economic activities. WI Credits: 3

ECN 3860 - International Economics.

(3-0-3) An exploration of the principles of foreign trade and finance: foreign exchange markets, balance of payments, effects on GDP, trade theory, tariffs, quotas, and commercial policies of major countries. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 3870 - Agricultural Economics.

(3-0-3) F. An introduction to the application of economic theory and method to problems in agriculture and agribusiness; provides the foundation needed to understand, interpret, and analyze farm policy in the United States. AG 901 WI **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 3873 - Economics of Race and Gender

(3-0-3) An exploration of the economic status of women and of racial and ethnic minorities in the United States. Surveys the historical role of women and minorities in the U.S. labor market including trends in labor force participation, occupational distribution, wage differentials, labor legislation, and discrimination. WI **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 3875 - Health Economics.

(3-0-3) F, Su. The application of economic tools to understand various issues and problems pertaining to medical care. Examines the production of and demand for medical care, health care systems and institutions, the role of government in health care markets, and the behavior of specific health care industries. Only continuing education and nursing students may enroll in online sections of the course. Credits: 3

ECN 3880 - Government and Business.

(3-0-3) F, S. An examination of the market structures in which business operates as well as the public policies for regulation and control of those markets. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 3881 - Economics of Public Utilities.

(3-0-3) S. An examination of the unique economic characteristics which set public utilities apart from other corporations, and why these firms are subject to regulation. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 3890 - Labor Economics.

(3-0-3) F, S. An introduction to labor market theory including labor demand, labor supply, investments in human capital, wage determination, and an examination of government labor policy. **Prerequisites & Notes:** ECN 2802G Credits: 3

ECN 3891 - International Economics, Honors.

An exploration of the principles of foreign trade and finance: foreign exchange markets, balance of payments, effects on GDP, trade theory, tariffs, quotas, and commercial policies of major countries. **Prerequisites & Notes:** ECN 2802G and admission to the University Honors College. Credits: 3

ECN 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. May not be counted as part of the 21 semester-hours requirement for economics minor. **Prerequisites & Notes:** Approval of the department chairperson. Credits: 1 to 15

ECN 3971 - Statistics Applied to Economics I.

(3-0-3) F, S. Measures of central tendency and dispersion, statistical distributions, regression, and hypothesis testing with applications to economics. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. No credit toward graduation for a student with credit in BUS 2810, MAT 3701, or other equivalent statistics course. Credits: 3

ECN 3972 - Statistics Applied to Economics II.

(3-0-3) F, S. Non-parametric statistics, chi-square and F distribution, multiple regression, index numbers, and time series with application to economics. WI **Prerequisites & Notes:** ECN 3971 and MAT 2120G, or MAT 2550, or permission of the instructor. Credits: 3

ECN 4275 - Internship in Economics.

(Arr.-Arr.-1-12) (Credit/No Credit) A semester's experience as an intern in a state, federal, or international agency or private sector business firm. A maximum of twelve semester hours may be earned in the fall or spring semesters and nine semester hours during the summer term. Credit for this program does not count toward graduation if the student has earned 12 or more semester hours of Credit/No Credit in student teaching or any other internship offered by the university. Note: Not more than six semester hours can be used to meet the total credit hours required in the major. **Prerequisites & Notes:** Permission of the department chairperson and acceptance of the student by a state, federal, or international agency or private sector business firm on the basis of the student's application. May not be counted as part of the 21 semester-hours requirement for economics minor. Credits: 1 to 12

ECN 4444 - Honors Independent Study.

(Arr.-Arr.-3) Consideration of special topics in Economics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors College and permission of the Departmental Honors Coordinator. Credits: 3

ECN 4505 - Business Cycles.

(3-0-3) S. An examination of the fluctuations in economic activity and their causes, methods of forecasting, and policies for growth and stability. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4511 - Comparative Economic Systems.

(3-0-3) F. A framework for the comparative analysis of economic systems is developed and applied to case studies from pre-modern as well as modern economic systems. Explores the impact of culture and historical precedent on the organization of economic activity in different societies. Credit cannot be earned for both ECN 4511 and ANT 4511. Cross listed with ANT 4511. Credits: 3

ECN 4520 - History of Economic Thought.

(3-0-3) F. An examination of the various schools of economic thought including the Classical, Socialist, Marxist, Marginalist, Institutional, and Keynesian. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4570 - Economic Problems of Developing Countries.

(3-0-3) F. An analysis of the economic problems of the developing countries and theories of economic development. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research in preparation of a thesis on a topic in Economics approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

ECN 4666 - Honors Seminar.

(Arr.-Arr.-3) Areas of investigation which require integration of Economics and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

ECN 4689 - Theory and Research.

(3-0-3) F, S. A capstone course to apply theory in undergraduate research. A written report and an oral presentation are required. **Prerequisites & Notes:** ECN 3972, ECN 4801, and ECN 4802, and admission to the Department of Economics major or permission of instructor. This capstone course is intended for Economics majors to be taken in the last semester before graduation. Credits: 3

ECN 4751 - Managerial Economics.

(3-0-3) F. The application of economic theory and method to managerial decision making. **Prerequisites & Notes:** ECN 2802G or BUS 2810, or other equivalent courses subject to departmental approval. Credits: 3

ECN 4801 - Intermediate Macroeconomic Theory.

(3-0-3) F, S. An analysis of the determination of national income, employment, wages, and factors affecting inflation and growth. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4802 - Intermediate Microeconomic Theory.

(3-0-3) F, S. An examination of the role of prices in determining the allocation of resources, the forces governing the consumption and production of economic goods, the performance of the firm, and the efficiency implications of alternative market structures and government policies. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4803 - Mathematical Economics.

(3-0-3) The application of mathematical tools to economics. Various economic theories are formulated in a mathematical framework. **Prerequisites & Notes:** ECN 4802 or permission of the instructor. Credits: 3

ECN 4813 - Transition Economies.

(3-0-3) S. A descriptive analysis of the economic structure of evolving new nations after the breakup of the Soviet Union and Soviet Bloc, with an additional analysis of why the breakup occurred. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 4840 - Money and Banking.

(3-0-3) F, S. A thorough examination of the financial system along with the instrumental role it plays in a modern economy. Emphasis is placed on the structure of the financial system by analyzing money, financial instruments, financial institutions, financial markets, and the functions of the Central Bank. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4850 - Economic Analysis of Law.

(3-0-3) S. An economic analysis of the major areas of law: property, contract, torts, criminal law. Emphasis on the study of economic forces in the evolution of the rule of law and application of economic reasoning techniques to the critique of legal institutions. Examination of conflicts between economic efficiency and other social goals such as fairness, democracy, and justice. **Prerequisites & Notes:** ECN 2802G. Credits: 3

ECN 4861 - International Economic Problems.

(3-0-3) F. An in-depth examination of current international economic problems such as balance of payments adjustment, exchange rate policy, and international monetary mechanisms. **Prerequisites & Notes:** ECN 3860 or permission of the instructor. Credits: 3

ECN 4875 - Area Studies.

(3-0-3) S. A study of economic conditions and development problems in a specific geographical area such as Southeast Asia, Tropical Africa, or the Middle East. The topic may vary from semester to semester; the course may be repeated with each change of topic. **Prerequisites & Notes:** ECN 2802G or permission of instructor. Credits: 3

ECN 4890 - Topics in Labor Economics.

(3-0-3) F, S. An examination of contemporary labor economics topics such as labor history, collective bargaining, labor law, poverty, compensation structure, discrimination, and wage differentials. May be repeated once with change of topics. **Prerequisites & Notes:** ECN 2802G or permission of the instructor. Credits: 3

ECN 4900 - Issues in Economics.

(3-0-3) An analysis of selected economic problems. Topics to be announced. May be repeated once with change in topic. **Prerequisites & Notes:** ECN 2802G and senior or graduate standing or permission of the instructor. Credits: 3

ECN 4950 - Independent Study.

(Arr.-Arr.-2 or 3) Independent study in economics. Designed for individual student needs at either the undergraduate or graduate level. **Prerequisites & Notes:** ECN 2802G and pre-registration conference with the department chairperson. Credits: 2 to 3

ECN 4973 - Introduction to Econometrics.

(3-0-3) S. A study of regression estimations, tests and predictions, estimation problems and remedies, simultaneous equations systems with application to economics. **Prerequisites & Notes:** ECN 3972 (or MAT 3702) and 1441G (or MAT 2110G), and MAT 2120G (or MAT 2550), or permission of the instructor. Credits: 3

EDUCATION (EDU)

EDU 2022 - Teaching and Learning with Technology in Classrooms.

(2-1-2) This course, based on the national and state educational technology standards, is designed to prepare teachers to integrate technology into the curriculum. This course will focus on the effective use of technology in teaching and learning. Credits: 2

EDU 4281 - Teaching Reading and Language Arts in Secondary Classrooms.

(3-0-3) F, S. A focus on the methods, materials and strategies used by secondary teachers as they meet the diverse needs of students. Emphasis will be on the utilization of reading, writing, speaking and listening integration within the curriculum. **Prerequisites & Notes:** Prerequisite: SED 3330/3100 or equivalent or permission of Department Chair Early Childhood, Elementary, and Middle Level Education. Credit will not be given for both MLE 4280 and EDU 4281. Credits: 3

EDU 4550 - Alternative Certification: Introduction to Teaching.

(1-1-1) Su. This course addresses Illinois Professional Teaching Standards in collaborative relationships and reflection and personal growth. The course is an introduction to the academically rigorous, intensive Alternative Certification Program. Requires 30 clock hours of participation/observation. **Prerequisites & Notes:** Proficiency with web browser software and internet use. Credits: 1

EDU 4551 - Alternative Certification: Foundations of Teaching.

(4-2-4) Su. This course addresses Illinois Professional Teaching Standards in the social, cultural, historical, and psychological foundations of teaching. The course is part of the academically rigorous, intensive Alternative Certification Program that includes EDU 4552 and EDU 4553. **Prerequisites & Notes:** Must be admitted to the Alternative Certification Program and have received a "B" or better in EDU 4550. Credits: 4

EDU 4552 - Alternative Certification: General Teaching Methods.

(8-3-8) Su. This course addresses Illinois Professional Teaching Standards General Methods, including student diversity, language arts/reading, and technology. The course is part of the academically rigorous, intensive Alternative Certification Program that includes EDU 4551 and EDU 4553. **Prerequisites & Notes:** Must be admitted to the Alternative Certification Program and have received a "B" or better in EDU 4550. Credits: 8

EDU 4553 - Alternative Certification: Teaching Methods.

(3-2-3) Su. This course addresses the Illinois Content Standards for the secondary teacher. Methods of teaching in the chosen discipline, philosophies of teaching and learning in the discipline, skills in planning for teaching, and identifying appropriate teaching materials are among the topics covered. The course is part of the academically rigorous, intensive Alternative Certification Program. Specific academic disciplines are addressed by different sections of the course. **Prerequisites & Notes:** Must be admitted to the Alternative Certification Program and have received a "B" or better in EDU 4550. Credits: 3

EDU 4560 - Alternative Certification: Internship, Part I.

(Arr.-Arr.-6) F. (Credit/No Credit) This course is the first semester of a 2-semester internship. The course is a required component of the academically rigorous, intensive Alternative Certification Program. **Prerequisites & Notes:** Grade of "B" or better in EDU 4550, EDU 4551, EDU 4552, and EDU 4553. Credits: 6

EDU 4561 - Alternative Certification: Internship, Part II.

(Arr.-Arr.-6) (Credit/No Credit) S. This course is the second semester of a 2-semester internship. The course is a required component of the academically rigorous, intensive Alternative Certification Program. **Prerequisites & Notes:** Successful completion of EDU 4560. Credits: 6

EDU 4570 - Alternative Certification: Candidate Assessment.

(Arr.-Arr.-1) (Credit/No Credit) Su. This course is the comprehensive candidate assessment that is the final required component of the academically rigorous, intensive Alternative Certification Program. **Prerequisites & Notes:** Successful completion of EDU 4560 and EDU 4561. Credits: 1

EDUCATIONAL FOUNDATIONS (EDF)

EDF 2555 - Diversity of Schools and Societies: Social and Global Perspectives.

(3-0-3) How schooling is shaped by, and ought to respond to, the social contexts in which it occurs, particularly in multicultural and global contexts. WI Credits: 3

EDF 2595 - Diversity of Schools and Societies: Social and Global Perspectives, Honors.

(3-0-3) On Demand. How schooling is shaped by, and ought to respond to, the social contexts in which it occurs, particularly in multicultural and global contexts. Equivalent to EDF 2555. WI **Prerequisites & Notes:** Admission to the honors program. Credits: 3

EDF 4450 - Philosophy and History of Education.

(3-0-3) The philosophical and historical foundations of leading educational theories as they treat human nature, objectives, and processes of education. WI **Prerequisites & Notes:** Junior standing. Credits: 3

EDF 4750 - Introduction to Adult Education.

(3-0-3) Adult education today, its career opportunities, and its historical and theoretical foundations. Credits: 3

EDF 47411 - Independent Study.

(Arr.-Arr.-1) As arranged. May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department Chairperson. Credits: 1

EDF 47412 - Independent Study.

(Arr.-Arr.-2) As arranged. May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department Chairperson. Credits: 2

EDF 47413 - Independent Study.

(Arr.-Arr.-3) As arranged. May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department Chairperson. Credits: 3

EDUCATIONAL PSYCHOLOGY (EDP)

EDP 3331 - Theories of Learning and Development for Secondary Teachers.

(3-2-3) F, S. Individual growth and development, motivation, learning theories, appraisal of human differences, classroom management, student evaluation, best practices, and observations. Forty-five (45) clock hours of clinical activities are required. WI **Prerequisites & Notes:** "University Approval to Take Teacher Education Courses" requirements apply; SED 2000. Co-requisites: Concurrent enrollment in SED 3330. Course restricted to Secondary Education students; priority given to students who are one year or less away from student teaching. Credits: 3

EDP 4790 - Studies in Education.

(2-0-2) Problems in education, student activities, curriculum, guidance, and evaluation. Each student assigned an individual problem. Credits: 2

EDP 4800 - Studies in Education.

(1-0-1) On Demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Credits: 1

ELEMENTARY EDUCATION (ELE)

ELE 2000 - The Teacher and the School.

(2-1-2) F, S. Observation and data collection techniques, professional issues in teaching, characteristics of schools, curricular organizations, effective teachers, 13 clock hours of structured observation. SPE 911 **Prerequisites & Notes:** Concurrent enrollment in ELE 2320 is desirable, or permission of department chair. Credits: 2

ELE 2320 - Childhood and Early Adolescent Development.

(3-0-3) Concepts and issues in the physical, social, emotional, and intellectual growth and development of children and early adolescents: prenatal through middle school/junior high. Field-based activities will be provided in conjunction with ELE 2000. SPE 913 **Prerequisites & Notes:** Concurrent enrollment in ELE 2000 is desirable. Credits: 3

ELE 2321 - Child Growth and Development.

(3-1-3) F, S. A study of characteristics of children from before birth to age eight. Ways for teachers and other caregivers to respond to their needs and learning styles. Fifteen clock hours of clinical experience in preschool through primary level classrooms and child care centers. Credits: 3

ELE 3000 - Instructional Strategies for the Elementary Classroom.

(3-3-4) Topics include instructional strategies, models for classroom management and discipline, parent-school community involvement, and school law. Forty-five clock hours of field-based activities primarily in reading and language arts. **Prerequisites & Notes:** ELE 2000 and ELE 2320. Concurrent enrollment in ELE 3280 and ELE 3350, or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 4

ELE 3250 - Facilitating Learning in Early Childhood Programs.

(3-0-3) F, S. Nature of learning in the preschool and primary levels. Specialized instruction, learning centers, individualization, educational play, and utilization of media in the curriculum. Field based activities will be provided in conjunction with ELE 40001. **Prerequisites & Notes:** ELE 2321, or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 3

ELE 3280 - Developmental Reading in the Elementary and Middle School.

(3-0-3) The instructional program in reading from kindergarten through grade six; goals, methods, and materials with emphasis on basal reader approaches. Field-based activities will be provided in conjunction with ELE 3000; MLE 3110; MLE 40001. **Prerequisites & Notes:** Concurrent enrollment in ELE 3000 and ELE 3350; MLE 3110 and MLE 40001; or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 3

ELE 3281 - Developmental Reading in Early Childhood.

(3-0-3) F, S. Strategies and materials for teaching reading in preschool and primary grades. Emphasis placed on emergent literacy, diagnostic procedures, individualization, evaluation, and reading interests. Field based activities will be provided in conjunction with ELE 40001. **Prerequisites & Notes:** Concurrent enrollment in ELE 3250 and ELE 40001, or permission of department chair. Credits: 3

ELE 3290 - Science in the Elementary and Middle School.

(3-0-3) Exploration of the nature, processes, and products of science and their relationships to society, the world, and the school curriculum. Field-based experiences will be in conjunction with ELE 40002. **Prerequisites & Notes:** Concurrent enrollment in ELE 3340 and ELE 4880,

or permission of department chair. For middle school option, consult advisor for course sequence. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

ELE 3340 - Social Studies for the Elementary and Middle School.

(3-0-3) Planning and organizing for instruction; material selection; and evaluation in social studies. Field-based activities will be provided in conjunction with ELE 40002 or MLE 40001. **Prerequisites & Notes:** ELE 3000 and concurrent enrollment in ELE 3290, ELE 40002, and ELE 4880, or permission of department chair. For middle school option, consult advisor for course sequence. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

ELE 3350 - Language Arts in the Elementary and Middle School.

(2-0-2) Objectives, research, teaching methods, and materials for teaching and evaluating the language arts. Field-based activities will be provided in conjunction with ELE 3000. **Prerequisites & Notes:** Concurrent enrollment in ELE 3280 and ELE 3000, or permission of department chair. For middle school option, consult advisor for course sequence. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 2

ELE 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

ELE 40001 - Practicum in Elementary Curriculum and Instruction.

(0-3-1) Supervised clinical experiences with emphasis on curriculum and instructional aspects of early elementary and late elementary subject areas. Forty-five hours of classroom participation. **Prerequisites & Notes:** Concurrent enrollment in one or more of ELE 3250, 3281, 3290, 3340, 4880, or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 1

ELE 40002 - Practicum in Elementary Curriculum and Instruction.

(0-3-1) Supervised clinical experiences with emphasis on curriculum and instructional aspects of early elementary and late elementary subject areas. Forty-five hours of classroom participation. **Prerequisites & Notes:** Concurrent enrollment in one or more of ELE 3250, 3281, 3290, 3340, 4880, or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 1

ELE 47411 - Independent Study.

(Arr.-Arr.-1) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 1

ELE 47412 - Independent Study.

Arr.-Arr.-2) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 2

ELE 47413 - Independent Study.

(Arr.-Arr.-3) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 3

ELE 4770 - Methods and Curriculum in the Primary Grades.

(3-0-3) F, S. Study of curriculum and techniques for teaching mathematics, science, and social studies in the primary grades. Planning lessons and units of instruction. **Prerequisites & Notes:** ELE 3250. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 3

ELE 4775 - Language and Language Arts in Early Childhood.

(3-0-3) F, S. Normal language development in the young child. Techniques for specific language art skills in pre-school and primary teaching. Assessment of pupil growth and achievement in language. Credits: 3

ELE 4776 - Early Childhood Education: History and Philosophy.

(3-0-3) F, S. The history and philosophy of early childhood education. Historical and contemporary models, social policy, and philosophical issues. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 3

ELE 47801 - Studies in Education.

(Arr.-Arr.-1) On Demand. Issues in education, student activities, curriculum, guidance, and evaluation. May be repeated once for credit, with a maximum of six semester hours from any combination of the Studies in Education courses. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 1

ELE 47802 - Studies in Education.

(Arr.-Arr.-2) On Demand. Issues in education, student activities, curriculum, guidance, and evaluation. May be repeated once for credit, with a maximum of six semester hours from any combination of the Studies in Education courses. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 2

ELE 47803 - Studies in Education.

(Arr.-Arr.-3) On Demand. Issues in education, student activities, curriculum, guidance, and evaluation. May be repeated once for credit, with a maximum of six semester hours from any combination of the Studies in Education courses. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 3

ELE 4850 - Exploring English Language Learners through Study Abroad/Study Away Experiences.

(1-0-1) Su. This course is for students registered for the study abroad or study away programs coordinated by the Early Childhood, Elementary and Middle Level education department. These study abroad/study away programs are in settings with high levels of language diversity and will provide a background regarding the programs designed to meet the needs of the growing population of English Language

Learners. Co-requisites: Must be registered to participate in Study Abroad/Study Away programs with field experiences in school settings with high levels of language diversity. Course may be repeated once with credit.

ELE 4880 - Diagnostic-Prescriptive Reading Instruction.

(3-0-3) Diagnostic procedures and materials in reading for teachers in self-contained and departmentalized classrooms from kindergarten through junior high/middle school. Field-based experiences. **Prerequisites & Notes:** ELE 3281 for Early Childhood Option; ELE 3280 for General and Middle School Options; or permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

ENGLISH (ENG)

ENG 0990 - English as a Second Language I.

(3-3-4) F, S. (Credit/No Credit. Does not count toward graduation. Does not count in cumulative GPA.) For students whose native language is not English. Basic review of oral and reading comprehension and expression, including basic vocabulary, sentence structure, and usage; basic oral skills in a cultural context. **Prerequisites & Notes:** Test of English as a Foreign Language (TOEFL) score of 500 minimum or certification at English Language Schools Level 9. Credits: 4

ENG 0995 - English as a Second Language II.

(3-2-4) F, S. (Credit/No Credit. Does not count toward graduation. Does not count in cumulative grade-point average.) For students whose native language is not English. Advanced review of Standard English usage, vocabulary, sentence structure, and paragraphing; introduction to theme writing; some work on oral skills in a cultural context. **Prerequisites & Notes:** ENG 0990 or Test of English as a Foreign Language (TOEFL) score of 550 minimum or certification at English Language Schools Level 9 with certification of proficiency. Credits: 4

ENG 1000 - Fundamentals of College Composition.

(3-0-3) F, S. Graded (ABC/NC) (Does not count toward graduation, but course grade does count in GPA.) A course in the improvement of the fundamentals of entry-level college writing skills. Practice and instruction in the development of an individualized process of analytical reading, prewriting, drafting, revising, editing, and proofreading. Required of students who do not meet the prerequisites for ENG 1001G. WC **Prerequisites & Notes:** ACT English score of 14 or below or no ACT score on record. Credits: 3

ENG 1001G - Composition and Language.

(3-0-3) Graded (A, B, C, N/C) A course in the reading and writing of expressive, expository, and persuasive essays. Attention is given to effective expression, clear structure, adequate development, and documentation of sources. C1 900R WC **Prerequisites & Notes:** ENG 1000 or proficiency in basic skills as determined by the English Department. C1 900R Note: A grade of 'C' or better in ENG 1001G, ENG 1002G, and CMN 1310G or in accepted substitutions is a requirement for the Bachelor's degree at Eastern as well as a General Education requirement. Credits: 3

ENG 1002G - Composition and Literature.

(3-0-3) Graded (A, B, C, N/C) A writing course designed to improve skills in critical thinking and analytical expression based on the reading of literary texts. WC **Prerequisites & Notes:** ENG 1001G. C1 901R Note: A grade of 'C' or better in ENG 1001G, ENG 1002G, and CMN 1310G or in accepted substitutions is a requirement for the Bachelor's degree at Eastern as well as a General Education requirement. Credits: 3

ENG 1091G - Composition and Language, Honors.

(3-0-3) F. Graded (A, B, C, N/C) A course in the reading and writing of expressive, expository, and persuasive essays. Attention is given to effective expression, clear structure, adequate development, and documentation of sources. C1 900R WC **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

ENG 1092G - Composition and Literature, Honors.

(3-0-3) S. Graded (A, B, C, N/C) A writing course designed to improve skills in critical thinking and analytical expression based on the reading of literary texts. C1 901R WC **Prerequisites & Notes:** ENG 1001G or 1091G and admission to the University Honors College. Credits: 3

ENG 1105 - English Major Forum.

(1-0-1) F, S. This course is designed to enhance the transition, integration, and retention of new, newly declared, and prospective English majors by providing them with an introduction to peers and faculty affiliated with English Studies, timely access to information necessary for productive planning, strategies for academic success, and an opportunity to chart a course through the major that prepares them for success in the future. **Prerequisites & Notes:** Students must enroll before they have completed 90 credit hours. Credits: 1

ENG 2001 - Creative Writing: Nonfiction.

(3-0-3) S. A creative writing course focusing on the essay. Extensive reading, aimed at developing a critical vocabulary and background knowledge of the genre, will be integrated with extensive writing and workshop discussions. (Group 5) WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2003 - Creative Writing: Poetry.

(3-0-3) F. An introduction to the reading and writing of poetry, with class time devoted to various principles of the genre through writing exercises and workshop discussion. (Group 5) EGL 922 WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2005 - Creative Writing: Drama.

(3-0-3) S. An introduction to the reading and writing of dramatic scenes for radio, theatre, TV, and film with class time devoted to various principles common to all dramatic writing through writing exercises and workshop discussion. (Group 5) EGL 923 WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2007 - Creative Writing: Fiction.

(3-0-3) F, S. An introduction to the reading and writing of fiction with class time devoted to various principles of the genre through writing exercises and workshop discussion. (Group 5) EGL 921 WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2009G - Literature and Human Values 1, 2, 3, 4.

(3-0-3) F, S. A study of some of the universal, recurring issues facing the individual, as they are dealt with in a selection of literary texts from diverse cultures. (1. Labor, Class, Power; 2. Faith, Survival, Progress; 3. Love, Hate, Obsession; 4. Race, Age, Gender.) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2011G - Literature, the Self and the World 1, 2, 3.

(3-0-3) F, S. Study of significant works of literature from diverse cultures and of the ways in which they depict meaning, identity, and action in the world. (1: Poetry; 2: Fiction; 3: Drama.) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2091G - Literature, the Self, and the World 1, 2, 3, Honors.

(3-0-3) On Demand. Study of significant works of literature from diverse cultures and of the ways in which they depict meaning, identity, and action in the world. (1: Poetry; 2: Fiction; 3: Drama.) WI **Prerequisites & Notes:** ENG 1002G or 1092G and admission to the University Honors College or Departmental Honors Program. Credits: 3

ENG 2099G - Literature and Human Values 1, 2, 3, 4, Honors.

(3-0-3) On Demand. A study of some of the universal, recurring issues facing the individual, as they are dealt with in a selection of literary texts from diverse cultures. (1. Labor, Class, Power; 2. Faith, Survival, Progress; 3. Love, Hate, Obsession; 4. Race, Age, Gender.) WI **Prerequisites & Notes:** ENG 1002G or 1092G and admission to the University Honors College or Departmental Honors Program. Credits: 3

ENG 2205 - Introduction to Literary Studies.

(3-0-3) F, S. A study of fundamental issues underlying literary criticism and interpretation focusing on literary works, diverse critical practices, and historical backgrounds of critical strategies. Required of English Majors, open to others. (Group 1) WI **Prerequisites & Notes:** ENG 1002G and ENG 1105, or ENG 1002G and concurrent enrollment in ENG 1105. Credits: 3

ENG 2601 - Backgrounds of Western Literature.

(3-0-3) F, S. A reading of major world masterpieces through the Renaissance, works that have influenced literature in English, by such writers as Homer, Sappho, Sophocles, Plato, Virgil, Ovid, Marie de France, Dante, Rabelais, Cervantes. Required of English majors, open to others. (Group 1) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2602 - World Literature since the Renaissance.

(3-0-3) S. Emphasis on such writers as Racine, Voltaire, Goethe, Sand, Baudelaire, Flaubert, Dostoevsky, Ibsen, Tolstoy, Allende, Ba, Borges, Garcia Marquez, Achebe, Soyinka. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2603 - Greek and Roman Mythology.

(3-0-3) F, S. A study of the myths, chiefly Greek and Roman, most often retold, interpreted, or alluded to by the writers and literary critics of Western Europe and America. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2692 - World Literature since the Renaissance, Honors.

(3-0-3) On Demand. Emphasis on such writers as Racine, Voltaire, Goethe, Sand, Baudelaire, Flaubert, Dostoevsky, Ibsen, Tolstoy, Allende, Ba, Borges, Garcia Marquez, Achebe, Soyinka. (Group 5) WI **Prerequisites & Notes:** ENG 1002G or 1092G and admission to the University Honors College or Departmental Honors Program. Credits: 3

ENG 2705 - African-American Literature.

(3-0-3) F. Introduction of African-American literature in its socio-cultural and historical contexts, with emphasis on such writers as Douglass, Hurston, Hughes, Wright, Ellison, Baldwin, Baraka, Morrison, Walker, Wilson. (Group 2) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2760 - Introduction to Professional Writing.

(3-0-3) F. Introduction to the theory and practice of writing and writers in professional settings. (Group 1 or 5) WC **Prerequisites & Notes:** English 1002G. Credits: 3

ENG 2850 - Postcolonial Literatures in English.

(3-0-3) S. Introduction to African, Indian and West Indian literatures in English in their sociocultural and historical contexts; examination of concepts of culture, civilization, colonization and independence; English as a global language; including such authors as Achebe, Desai, Gordimer, Naipaul, Narayan and Rushdie. (Group 2) EGL 919 WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 2901 - Structure of English.

(3-0-3) F, S. An introduction to the English language: its phonology and word forms, the parts of speech and their functions, basic sentence structures and their representation, stylistic patterns, standard and nonstandard dialects, viewed according to traditional and modern grammars. (Group 1) **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3001 - Advanced Composition.

(3-0-3) Advanced study and practice of writing in public, professional, and discipline-specific genres. (Group 1) WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3002 - Research Writing for Literary Studies.

(3-0-3) F, S. In-depth study of genres of writing central to Literary Studies, in particular proposals, reviews, and criticism. Students will read models of scholarly writing in literary studies, as well as research, draft, and revise their own proposals, reviews, and articles, and master MLA style. (Group 1) WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3005 - Technical Communication.

(3-0-3) F, S. Practice and instruction in technical writing and creating documents used in professional settings. Focus on increasing proficiency in effective writing and developing strategies for document design, accommodating specialized and non-specialized audiences, visual rhetoric, and web publishing. (Group 1 or 5) WC **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3009G - Myth and Culture.

(3-0-3) F, S. Through comparative analysis of myths from diverse cultural traditions, the course will examine relationships among mythical, historical, theological, socio-anthropological and scientific ways of understanding. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3010G - Literary Masterworks.

(3-0-3) F, S. An analysis of selected masterworks from the Western cultural tradition that shape for us the identity of the culture and period to which they belong and that represent the great diversity within the tradition. WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3090G - Literary Masterworks, Honors.

(3-0-3) On Demand. An analysis of selected masterworks from the Western cultural tradition that shape for us the identity of the culture and period to which they belong and that represent the great diversity within the tradition. WI **Prerequisites & Notes:** ENG 1002G or ENG 1092G and admission to the University Honors College. Credits: 3

ENG 3099G - Myth and Culture, Honors.

(3-0-3) On Demand. Through comparative analysis of myths from diverse cultural traditions, the course will examine relationships among mythical, historical, theological, socio-anthropological, and scientific ways of understanding. (Group 5) WI **Prerequisites & Notes:** ENG 1002G or ENG 1092G and admission to the University Honors College or Departmental Honors Program. Credits: 3

ENG 3100G - Cultural Foundations I.

(3-0-3) F, S. An in-depth look at three cultural foundations, two Western and one African. The course examines societies and values by exploring primary texts in literature, philosophy, and religion. Cross-listed with PHI 3100G. WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3110G - Cultural Foundations II.

(3-0-3) S. An in-depth look at three significant Eastern cultural foundations. The course examines societies and values by exploring primary texts in literature, philosophy and religion. Cross-listed with PHI 3110G. WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3401 - Methods of Teaching Composition in the Secondary School.

(3-0-3) F, S. Approaches to the teaching of composition in junior and senior high school. Includes 5 hours of on-site pre-clinical experience. (Group 1) WI **Prerequisites & Notes:** ENG 2901 and SED 2000. Credits: 3

ENG 3402 - Methods of Teaching Literature in the Secondary School.

(3-0-3) F, S. Approaches to the teaching of literature in junior and senior high school. Includes 5 hours of on-site pre-clinical experience. (Group 1) WI **Prerequisites & Notes:** ENG 2901 and SED 2000. Prerequisites or co-requisites: EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

ENG 3405 - Children's Literature.

(3-0-3) F, S. Study of the rich variety of texts written for or primarily read by children, including picture books, poetry, fairy tales, chapter books, and novels. Emphases include historical, cultural, pedagogical, critical, and theoretical perspectives. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3406 - Literature for Pre-Adolescents.

(3-0-3) On Demand. Study of literary works written for pre-adolescent readers (approximately ages 8-12, grades 4-8), including novels in a variety of genres, poetry, and picture books for older readers. Emphasis on critical evaluation encompasses literary, historical, cultural, and theoretical perspectives. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Course may not be repeated. Credits: 3

ENG 3504 - Film and Literature.

(2-2-3) F, S. Practical and theoretical relations between film and literature. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 3600 - The Bible as Literature.

(3-0-3) S. The Hebrew Scriptures, Apocrypha, and New Testament as literary texts. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3601 - Studies in Major Writers.

(3-0-3) On Demand. In-depth studies of major writers with no more than three studies in any one semester. Topics to be announced. (Group 3D) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 3604A - Special Topics in Literature and Language.

(3-0-3) On Demand. Literature Before 1800. Topics to be announced. (Group 3A) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. A maximum of nine hours in ENG 3604A, B, D, and E can be counted in the major. Credits: 3

ENG 3604B - Special Topics in Literature and Language.

(3-0-3) On Demand. Nineteenth Century. Topics to be announced. (Group 3B) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. A maximum of nine hours in ENG 3604A, B, D, and E can be counted in the major. Credits: 3

ENG 3604D - Special Topics in Literature and Language.

(3-0-3) On Demand. Twentieth Century and After. Topics to be announced. (Group 3C) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. A maximum of nine hours in ENG 3604A, B, D, and E can be counted in the major. Credits: 3

ENG 3604E - Special Topics in Literature and Language.

(3-0-3) On Demand. English Electives. Topics to be announced. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. A maximum of nine hours in ENG 3604A, B, D, and E can be counted in the major. Credits: 3

ENG 3606 - Modern Drama.

(3-0-3) F. Analysis and discussion of drama from Ibsen to the present, emphasizing major theatrical developments and including such authors as Chekhov, Shaw, O'Neill, Brecht, Hansberry, Pinter, Churchill. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3700 - American Literature: 1450 to 1800.

(3-0-3) F. Emphasis on such topics as colonialism, slavery and racism, Native American issues, women's writing, religious writing, revolution, sentimentalism, and an emerging nationalism. Writers may include Columbus, Winthrop, Bradstreet, Franklin, Edwards, Equiano, Paine, Crèvecoeur, Wheatley, Rowson. (Group 3A) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3701 - American Literature: 1800 to Mid-19th Century.

(3-0-3) S. Emphasis on such topics as romanticism, literary nationalism, slavery, and the utopian impulse. Writers may include Rowson, Brown, Stowe, Fuller, Douglass, Emerson, Thoreau, Poe, Hawthorne, Melville, Whitman, Dickinson. (Group 3B) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3702 - American Literature: Mid-19th Century to 1900.

(3-0-3) F. Emphasis on such topics as the Civil War, the rise of realism and naturalism, the impact of Darwin, race writing, and the immigrant experience. Writers may include Whitman, Dickinson, Twain, James, Chopin, Jewett, Chesnut, Hopkins, Gertrude Bonnin, Crane. (Group 3B) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3703 - American Literature: 1900 to 1950.

(3-0-3) S. Emphasis on such topics as modernism, the Harlem Renaissance, the Great Depression, and World War II. Writers may include Cather, Eliot, Wharton, Hemingway, Hurston, W. C. Williams, Moore, Faulkner, Stevens, Wright, O'Neill. (Group 3C) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3704 - American Literature: 1950 to present.

(3-0-3) F. Emphasis on such topics as the Fabulous 50's, the Beats, emerging minority cultures, the rise of feminism, postmodernism, and minimalism. Writers may include Bishop, Ginsberg, Plath, Bellow, Vonnegut, Shepard, Kesey, Olson, Baraka, Mason, Erdrich, Morrison. (Group 3C) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3705 - American Multicultural Literatures.

(3-0-3) S. Emphasis on race, ethnicity, class, gender, and sexuality in literatures from 1700 to the present, featuring African-American, Asian-American, Native-American, Latino/a writers and immigrant American Writers. (Group 2) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3706 - American Regional Literature.

(3-0-3) F. or S. A course focusing on literature produced within specific geographical regions, regional schools, or regional traditions of the United States. Topics may include Southern literature, the Plains, the Northwest, Southwest humorists, New York City writers, or Illinois writers. (Group 5.) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3800 - Medieval British Literature.

(3-0-3) F. Representative Old and Middle English texts (1000-1500), such as Beowulf, Sir Gawain and the Green Knight, the Lais of Marie de France, Piers Plowman, Malory's Arthurian tales, and Everyman. (Group 3A) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3801 - Chaucer.

(3-0-3) S. Study of The Canterbury Tales and/or Chaucer's other major works of poetry and prose. (Group 3D) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3802 - Shakespeare.

(3-0-3) S. A study of representative comedies, histories, tragedies, romances, and poems. (Group 3D) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3803 - Renaissance and Seventeenth-Century British Literature.

(3-0-3) S. An overview of humanism and ensuing literary, political, religious, and scientific revolutions in British literature, 1500-1660. Writers may include More, Sidney, Spenser, Kyd, Shakespeare, Marlowe, Donne, Wroth, Cary, Lanyer, Bacon, Herbert, Marvell, Askew, Phillips. (Group 3A) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3804 - Milton.

(3-0-3) F. Study of Paradise Lost and Milton's other major works of poetry and prose. (Group 3D) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3805 - Restoration and Eighteenth-Century British Literature.

(3-0-3) F. Study of British literature and culture from 1660-1790, from the end of the English Civil War to the start of the French Revolution. Writers may include Wycherley, Behn, Dryden, Swift, Pope, Manley, Fielding, Johnson, Gray, Equiano, Sheridan. (Group 3A) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3806 - British Romantic Literature.

(3-0-3) F. Study of British literature 1780-1830 with emphasis on such controversies as the French revolution and its aftermath, the role of imagination, human rights and gender, and the aesthetics of form. Writers may include Blake, Wordsworth, Coleridge, Wollstonecraft, Smith, Hemans, Keats, the Shelleys. (Group 3B) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3807 - Victorian Literature.

(3-0-3) S. Study of British literature 1830-1901 with emphasis on such topics as aesthetics, gender, empire and race, class, religion, science, and labor. Writers may include Carlyle, Arnold, Tennyson, Browning, Eliot, Dickens, the Brontes, Gaskell, Hardy. (Group 3B) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3808 - Modern British Literature.

(3-0-3) F. British and Irish fiction, drama, and poetry from 1900 to 1950, with emphasis on such writers as Forster, Lawrence, Woolf, Joyce, Rhys, Synge, and Yeats. (Group 3C) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3809 - Contemporary British and Anglophone Literatures.

(3-0-3) S. Studies in fiction, poetry, and drama published since 1950 in one or more of the following countries: Australia, Canada, Ireland, New Zealand, and the United Kingdom. Such authors as Martin Amis, Margaret Atwood, Eavan Boland, Angela Carter, Caryl Churchill, Seamus Heaney, Phillip Larkin, Iris Murdoch, Zadie Smith, Tom Stoppard, and Patrick White. (Group 3C) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3892 - Shakespeare, Honors.

(3-0-3) On Demand. A study of representative comedies, histories, tragedies, romances. (Group 3D) WI **Prerequisites & Notes:** ENG 1002G and admission to the Departmental Honors Program or permission of the Department chairperson. Credits: 3

ENG 3901 - Language and Linguistics.

(3-0-3) S. A study of kinds of language and linguistic approaches: phonological, syntactic, and semantic analysis; historical, geographic, and social variation. (Group 1) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 3903 - Women, Literature, and Language.

(3-0-3) On Demand. May focus on roles of women in literature, on literature by women or on women's relation to language. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 3907 - Asian Literatures.

(3-0-3) On Demand. In-depth study of Asian literature in translation. Representative literatures include, but are not limited to, Chinese, Indian, Japanese, Korean or Vietnamese. (Group 2) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970, Study Abroad: Faculty-Led. (Group 5) WI **Prerequisites & Notes:** ENG 1002G Credits: 1 to 15

ENG 4060 - Professional Writing Career Development.

(1-0-1) F. Capstone professional writing experience with particular focus on entering the professional writing job market. Development of a portfolio and professional credentials. (Group 5) WC **Prerequisites & Notes:** Nine semester hours in Professional Writing. Course may not be repeated. Credits: 1

ENG 4275 - Internship in Professional Writing.

(Arr.-Arr.-4) (Credit/No Credit) Practical experience in a business or organization that allows the student to apply and develop, outside the traditional classroom, the skills learned in English writing courses. (Group 5) **Prerequisites & Notes:** ENG 2760 or 3005, and permission of the Director of the Internship. May be repeated once. Credits: 4

ENG 4300 - Senior Seminar.

(3-0-3) F, S. Major topics in British, American, and world literature and language, with topics varying each semester. Topics to be announced. Required of and enrollment limited to English majors. (Group 4) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 4390 - Senior Seminar, Honors.

(3-0-3) F. Major topics in British, American, and world literature and language, with varying topics to be announced. Required of and enrollment limited to English majors in the Departmental Honors Program. (Group 4) WI **Prerequisites & Notes:** Admission to the Departmental Honors Program, senior standing, and permission of the Departmental Honors Coordinator. Credits: 3

ENG 4400 - Independent Study.

(3-0-3) On Demand. Intensive individual study on a topic selected by student under the supervision of a faculty member. The student must submit a detailed research plan for approval by the department chair and faculty supervisor prior to registration. ENG 4400 may not be used to satisfy required courses or Group requirements in the major or in the minor. Course restricted to English majors. WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 4444 - Honors Independent Study.

(3-0-3) On Demand. Consideration of special topics in English studies in preparation for honors thesis. Must be approved by faculty supervisor and Departmental Honors Coordinator. Course restricted to English majors. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of Departmental Honors Coordinator. Credits: 3

ENG 4644 - Honors Thesis.

(3-0-3) Intensive research and completion of a thesis on a topic in English approved by a faculty supervisor and the Departmental Honors Coordinator. (Group 1) WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. May not be repeated. Credits: 3

ENG 4750 - Studies in African-American Literature.

(3-0-3) S. Study in-depth of various genres, movements, periods, and major writers in African-American literature. Only one genre, movement, or period or only two or three major writers will be studied during any semester. Topics to be announced. (Group 2) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4752 - Studies in Drama.

(3-0-3) S. In-depth study of major periods, subgenres, movements, or writers important in understanding dramatic literature and performance. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4760 - Studies in Professional Writing.

(3-0-3) S. Focused study of professional writing, designed to enhance understanding of workplace writing and provide experience in producing it. Topic will vary semester to semester. (Group 5) WC **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4761 - Creative Nonfiction Writing

(3-0-3) F or S. Advanced practice in the writing and revising of creative nonfiction, with an emphasis on the development of the student's individual style. (Group 1 or 5). WC **Prerequisites & Notes:** ENG 1002G; and 2001 or, with permission of instructor, 2003, 2005, or 2007. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4762 - Poetry Writing.

(3-0-3) S. Extensive practice in the writing and revising of poetry, with an emphasis on the development of the student's individual style. (Group 1 or 5) WC **Prerequisites & Notes:** ENG 1002G; ENG 2003 or, with permission of instructor, 2001, 2005 or 2007. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4763 - Fiction Writing.

(3-0-3) S. Extensive practice in the writing and revising of prose fiction, with an emphasis on the development of the student's personal style. Each student will have the option of writing several short stories or one novella. (Group 1 or 5) WC **Prerequisites & Notes:** ENG 1002G; ENG 2007 or, with permission of instructor, 2001, 2003 or 2005. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4764 - Play Writing.

(3-0-3) F. Advanced practice and instruction in dramatic writing. Though the course will review basic elements common to all dramatic writing, it will allow students to concentrate on the media of their choice: radio, theatre, TV, or film. (Group 1 or 5) WC **Prerequisites & Notes:** ENG 1002G; ENG 2005 or, with permission of instructor, 2001, 2003 or 2007. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4765 - Professional Editing.

(3-0-3) F. Advanced practice and theory in professional editing, including copyediting and comprehensive editing. Focus on working effectively with writers, publishers, and audiences. Discussion of the production process and the role of technology in editing and information design. (Group 5) WC **Prerequisites & Notes:** ENG 2760, 3005, or 4760. Course may not be repeated. Credits: 3

ENG 4775 - Studies in Literary and Cultural Criticism and Theory.

(3-0-3) F. Basic principles of evaluating the standard literary genres, or tenets of a specific school of criticism, or the examination of major aesthetic questions. Topics to be announced. (Group 4) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4801 - Integrating the English Language Arts.

(3-0-3) F, S. Strategies for integrating the English language arts, including literature, composition, speech, drama, and works in other media such as film. Attention to pedagogical theory and its practical applications. Includes 5 hours of on-site pre-clinical experience. (Group 1) WI **Prerequisites & Notes:** ENG 2901, SED 3330 and EDP 3331; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

ENG 4850 - Studies in Third World Literatures.

(3-0-3) F. Focused study of major region, theme or writers in nonwestern or third world literatures. Readings are studied in their socio-cultural and historical contexts. (Group 2 or 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4901 - History of the English Language.

(3-0-3) F. Historical, geo-geographic, and social dialects of English; phonological changes and other alterations in the structure and vocabulary of the English language. (Group 1) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 4903 - Young Adult Literature.

(3-0-3) S. Study of literature written for and about adolescents with emphasis on various genres, movements, themes, and major writers. (Group 5 for English; Group 1 for English Lang Arts) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENG 4904 - Studies in Film.

(3-2-3) S. In-depth study of major periods, genres, history, criticism and/or theory of film. Topics to be announced. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4905 - Studies in Youth Literature.

(3-0-3) On Demand. Studies in-depth of some aspect of children's literature. Topics to be announced. (Group 5) WI **Prerequisites & Notes:** ENG 1002G. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4906 - Problems in the Teaching of English.

(3-0-3) On Demand. Advanced pedagogy course on various topics, such as the teaching of composition, the teaching of literature, the teaching of language. Topics to be announced. (Group 5) WI **Prerequisites & Notes:** ENG 1002G and 3401 or 3402 or permission of the instructor. May be repeated once with permission of the Department Chairperson. Credits: 3

ENG 4950 - Literary History.

(3-0-3) F, S. A historical study of British and American literary periods, schools, figures, and genres, with emphasis on current resources, methods, and theories in research. Required of and enrollment limited to English majors. (Group 4) WI **Prerequisites & Notes:** ENG 1002G. Credits: 3

ENTREPRENEURSHIP (ENT)

ENT 3300 - Foundations of Entrepreneurship.

(3-0-3) F, S. Introduction to and overview of entrepreneurship and the entrepreneurial process. Seeks to develop an understanding of the role of the entrepreneur and new venture creation from a local/national/international perspective. Overview of the major functions of business as they relate to entrepreneurship. **Prerequisites & Notes:** Completion of 45 semester hours of coursework. Credits: 3

ENT 3500 - Marketing and Innovation for Entrepreneurial Ventures.

(3-0-3) S. A systematic exploration of market opportunities from an entrepreneurial perspective, including idea generation, development, and market launch. Content includes: domestic and foreign product development, legal considerations, market segmentation and analysis, and the evaluation of competition. Long-term marketing strategy is communicated through the marketing section of a venture plan. **Prerequisites & Notes:** ENT 3300 and enrollment in the Entrepreneurship Minor; or permission of the Chair, School of Business. Credits: 3

ENT 3700 - Financing for Entrepreneurial Ventures.

(3-0-3) F. A study of financial and legal issues related to financing entrepreneurial ventures. Topics include sources of financing, working with attorneys and accountants, legal aspects of reducing owners' risk, fundamentals of financial statement analysis, and analyzing and developing the financial section of a venture plan. **Prerequisites & Notes:** ENT 3300 and enrollment in the Entrepreneurship Minor; or permission of the Chair, School of Business. Credits: 3

ENT 4500 - Entrepreneurial Management and Venture Plan Development.

(3-0-3) S. An exploration and application of the venture development and operations process including start-up issues; organizing, planning, and launching the venture; management of people and growth; and other entrepreneurial challenges are explored. Course culminates in development and presentation of a venture plan. **Prerequisites & Notes:** ENT 3500 and ENT 3700 and enrollment in the Entrepreneurship Minor or permission of the Chair, School of Business. Credits: 3

FAMILY AND CONSUMER SCIENCES (FCS)

FCS 1000 - Foundations of Family and Consumer Sciences.

(2-0-2) F, S. Foundations of the discipline of family and consumer sciences, including history and mission; role in meeting the needs of individuals and families; the integrative nature of the profession; and career opportunities. Credits: 2

FCS 1120 - Food Selection and Preparation.

(2-2-3) F, S. Food selection considerations and basic food preparation practices. Credits: 3

FCS 1121 - Food Service Sanitation.

(1-0-1) On Demand. (Credit/No Credit) Food production and food service sanitation and safety standards and regulations for food service operations including food storage, food handling practices and food borne illnesses. Online sections of this course are restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 1

FCS 1275 - Family and Consumer Sciences Practicum.

(Arr.-Arr.-1) On Demand. An individually designed and supervised work experience course in a family and consumer sciences (FCS) related career area. This practicum is designed for Family and Consumer Sciences majors and non-majors. Course may be repeated to a maximum of 2 hours. Not in the same semester. Credits: 1

FCS 1800 - Life Span Human Development.

(3-0-3) F, S. Growth and development of the individual from conception through senescence. Influence of family and society on individual development in each stage of the life cycle. Credits: 3

FCS 2000 - Family Perspectives.

(3-0-3) F, S. Perspectives to understanding and analyzing family structure and function, interpersonal dynamics, individual family roles, the role of the family in society, and the formative influences of heritage and culture. WI **Prerequisites & Notes:** FCS 1000 with a grade of C or better. Credits: 3

FCS 2100 - Personal Nutrition.

(3-0-3) Study of the impact of individual food behaviors on the nutritional status of individuals, families, and the global society and the identification of behavior change strategies to positively influence health outcomes. Credits: 3

FCS 2140 - Quantity Food Production.

(2-2-3) F, S. Practical experience in quantity food production, menu planning, recipe standardization and quality improvement. **Prerequisites & Notes:** FCS 1120, FCS 1121, and FCS 2100. Credits: 3

FCS 2190 - Personal Nutrition, Honors.

(3-0-3) F. Study of the impact of individual food behaviors on the nutritional status of individuals, families, and the global society and the identification of behavior change strategies to positively influence health outcomes. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

FCS 2231 - Sociology of Clothing.

(3-0-3) F. Significance of sociological logical and psychological reasons for clothing selection; political and economic trends affecting clothing. Credits: 3

FCS 2232 - Historic Costume and Fashion Analysis.

(3-0-3) S. A historic study of costume (apparel) design and production development as related to current fashion. Credits: 3

FCS 2233 - Fashion Distribution Systems.

(3-0-3) F. Analysis of businesses that distribute and sell both hard and soft lines of fashion goods; emphasis on identification of target customers, organizational structure, promotional activities, and human resource considerations for these types of businesses. Credits: 3

FCS 2234 - Clothing and Soft Goods Construction.

(1-4-3) F, S. A study of basic principles of clothing and soft product construction processes. Credits: 3

FCS 2244 - Consumer Textiles: Care and Production.

(3-0-3) F, S. Study of family clothing, common household and commercial textile product development as it relates to the consumer. Credits: 3

FCS 2250 - Consumer Technology.

(3-0-3) F, S. Overview of consumer technology principles, effective decision making, resource management, marketing, paradigms, trends and roles of entities; ethical and consequential impact of technology rejection, adoption and disposal on diverse consumers, families and environmental resources in the global marketplace. Credits: 3

FCS 2270 - Housing.

(3-0-3) F, S. Effect of housing on individuals and families; emphasis on housing selection as determined by needs, resources, legal, and financial aspects. Credits: 3

FCS 2275 - Internship for Non-Majors.

(Arr.-Arr.-3 to 6) On Demand. Individually planned experience in an organization that provides experiences related to the field of FCS; allows for directed study, on-site observation, and participation in daily operations. Open for those who are not Family and Consumer Sciences majors. **Prerequisites & Notes:** Permission of the Chairperson of the School of Family and Consumer Sciences, and acceptance of the student by an appropriate organization with completion of required documentation. Credits: 3 to 6

FCS 2700 - The Hospitality Industry.

(3-0-3) F, S. Overview of the hospitality industry with focus on history, career opportunities, maintaining industry standards, and organizational structures of various types of hospitality ventures. Credits: 3

FCS 2740 - Lodging Operations.

(3-0-3) F, S. Examines hotel and resort rooms division management and operating procedures, including front desk and housekeeping operations and guest relations. **Prerequisites & Notes:** FCS 2700. Credits: 3

FCS 2780 - Culinary Pricing and Conversions

(1-0-1) F, S. Application of basic pricing and conversion principles in culinary, restaurant, and foodservice management environments. **Prerequisites & Notes:** Prerequisite: FCS 2700. Co-requisite: FCS 3784. Course may not be repeated. Credits: 1

FCS 2784 - Hospitality Sales and Service.

(3-0-3) F. An analysis of marketing methods used by sales and service departments in hospitality businesses with an emphasis on selling, planning for, and servicing group meeting and convention business. WI **Prerequisites & Notes:** FCS 2700 and FCS 2740. Credits: 3

FCS 2800 - Family Relationships.

(3-0-3) Study of the family as the basic unit of society; personal relationships, and family interaction throughout the family life cycle. WI Credits: 3

FCS 2831 - Women in Contemporary Society.

(3-0-3) F, S. An interdisciplinary study of the emergence of women as a viable force in contemporary society. Credits: 3

FCS 2850 - Child Development.

(3-0-3) F, S. The physical, intellectual, social, and emotional development of the pre-school child. Credits: 3

FCS 3000 - Family Resource Management.

(3-0-3) F, S. Family resource management and management theory and application, including individual and family decision-making behavior related to acquisition and allocation of resources in socially responsible ways. WI **Prerequisites & Notes:** FCS 1000 and FCS 2000 each with a grade of C or better. Credits: 3

FCS 3120 - Food Science.

(2-4-4) S. Scientific principles underlying food preparation and processing; principles of experimental methodology as applied to food science. WI **Prerequisites & Notes:** CHM 2430/2435, FCS 1120, FCS 1121, and MAT 2250G. Credits: 4

FCS 3233 - Apparel and Textiles Merchandise Budgeting.

(3-0-3) S. Inventory management concepts, practices and procedures related to the factors that produce profit in the apparel and textile industries. **Prerequisites & Notes:** FCS 2233 and BUS 2101. Credits: 3

FCS 3245 - Textiles: Color Design Production

(3-0-3) F, S. This upper level course will focus on molecular (polymer) structure and its influence on design, fabrication, coloration and manufacturing of apparel, home and commercial textiles. WI **Prerequisites & Notes:** FCS 2244; Computer and World Wide Web proficiency required. Credits: 3

FCS 3300 - Consumer Education.

(3-0-3) F, S. A study of factors affecting the buymanship of food, clothing, housing, transportation, credit, and insurance. Credit not granted for both FCS 3300 and CTE 3000. Credits: 3

FCS 3340 - Club Management.

(3-0-3) S. A study of the organization, administration, operations and opportunities within the club industry with emphasis on the manager's duties. **Prerequisites & Notes:** FCS 2700 and BUS 2101. Credits: 3

FCS 3370 - Ethical Issues in Hospitality Management.

(3-0-3) S. A focus on ethical decisions made by managers in the hospitality industry when addressing issues related to operations, customers, and employees. Through application of ethical decision making frameworks and utilizing case studies and debates, future hospitality industry leaders will consider the impact of their own personal values and beliefs, and those of others, on business decisions. **Prerequisites & Notes:** FCS 2700 and BUS 3010. Credits: 3

FCS 3740 - Professional Hospitality Meeting Management.

(3-0-3) S. Strategic aspects of hospitality meeting and event management with an emphasis on full service hotel and convention/conference facilities. Course restricted to Juniors and Seniors in the FCS Hospitality Management Concentration. **Prerequisites & Notes:** FCS 2740 and FCS 2784. Credits: 3

FCS 3750 - Independent Study in Family and Consumer Sciences.

(1-0-1) or (2-0-2) or (3-0-3) Provides opportunity for in-depth study of family and consumer sciences subjects for which there is not an established course. Course may be repeated once to a maximum of 9 credit hours earned from Independent Studies. **Prerequisites & Notes:** Prior approval by the instructor and the chair. Credits: 1 to 3

FCS 3750A - Independent Study in Family and Consumer Sciences I.

(1-0-1) or (2-0-2) or (3-0-3) Provides opportunity for in-depth study of family and consumer sciences subjects for which there is not an established course. Course may be repeated once to a maximum of 9 credit hours earned from Independent Studies. **Prerequisites & Notes:** Prior approval by the instructor and the chair. Credits: 1 to 3

FCS 3750B - Independent Study in Family and Consumer Sciences II.

(1-0-1) or (2-0-2) or (3-0-3) Provides opportunity for in-depth study of family and consumer sciences subjects for which there is not an established course. Course may be repeated once to a maximum of 9 credit hours earned from Independent Studies. **Prerequisites & Notes:** Prior approval by the instructor and the chair. Credits: 1 to 3

FCS 3750D - Independent Study in Family and Consumer Sciences III.

(1-0-1) or (2-0-2) or (3-0-3) Provides opportunity for in-depth study of family and consumer sciences subjects for which there is not an established course. Course may be repeated once to a maximum of 9 credit hours earned from Independent Studies. **Prerequisites & Notes:** Prior approval by the instructor and the chair. Credits: 1 to 3

FCS 3750E - Independent Study in Family and Consumer Sciences IV.

(1-0-1) or (2-0-2) or (3-0-3) Provides opportunity for in-depth study of family and consumer sciences subjects for which there is not an established course. Course may be repeated once to a maximum of 9 credit hours earned from Independent Studies. **Prerequisites & Notes:** Prior approval by the instructor and the chair. Credits: 1 to 3

FCS 3755 - Nutrition Across the Lifespan.

(3-0-3) F. Concepts of normal human nutrition with emphasis on nutrient needs throughout the lifespan. **Prerequisites & Notes:** FCS 2100, CHM 1410G, CHM 1415G, BIO 2001G. Credits: 3

FCS 3756 - Community Nutrition

(3-0-3) F. Factors influencing human nutrition needs and eating patterns and related counseling and educational techniques for use in the community setting. WI **Prerequisites & Notes:** FCS 2100 and FCS 3755. Credits: 3

FCS 3784 - Commercial Quantity Food Production.

(1-8-5) F, S. An experiential based course where students develop the skills needed to plan, produce and serve meals to customers in a commercial setting. Topics and activities include menu planning, procurement, food production, customer service, marketing and management of meal functions. **Prerequisites & Notes:** FCS 1120, FCS 1121, FCS 2700. FCS 2780 taken concurrently with FCS 3784. Credits: 5

FCS 3786 - Hospitality Operations and Cost Control.

(3-0-3) S. Integration of hospitality industry operations with emphasis on concepts and application of hospitality managerial accounting to hospitality operations, evaluations and decision making. **Prerequisites & Notes:** FCS 2700 and BUS 2101. Credits: 3

FCS 3800 - Family Life Sex Education.

(3-0-3) On Demand. To prepare professionals such as family service personnel, educators, and parents to work with individuals and families at various stages in the family cycle in the area of family life and sex education. Online sections of this course are restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 3

FCS 3810 - Child Care Issues.

(1-0-1) On Demand. Introductory exploration of the need for child care, emotional reactions to child care, developmental perspectives in child care, what to look for in a provider, agencies and programs to assist with child care, and facts about abuse and neglect in child care settings. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Course may not be repeated. Credits: 1

FCS 3812 - Nutrition Topics for Child Care Professionals.

(2-0-2) On Demand. Focus on nutrition/consumption/eating patterns of young children from birth to age eight with an examination of nutrition guidelines and challenges, eating behavior, developmentally appropriate nutrition-related activities, and techniques to facilitate caregivers in providing adequate nutrition for children, including those with special needs. Course restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 2

FCS 3820 - The Family in Social Change.

(2-0-2) F. The study of social change in the family and recent trends in family life and family life education. **Prerequisites & Notes:** FCS 1800 or FCS 2800. Credits: 2

FCS 3853 - Practicum in Child Development.

(1-4-3) F, S. A laboratory experience focused on the physical, emotional, social, and cognitive development of the older toddler and preschool-age child. Includes program organization, child and group guidance, parent-teacher relationships, naturalistic observation, and child study. WI **Prerequisites & Notes:** FCS 2850 or ELE 2320 or 2321 or PSY 3515 or permission of the instructor. Credits: 3

FCS 4000 - Professional Focus of Family and Consumer Sciences.

(2-0-2) F, S. Professional integrative focus on the discipline of family and consumer sciences and preparation for professional practice. **Prerequisites & Notes:** FCS 1000, FCS 2000, FCS 3000 each with a grade of C or better and completion of 75 hours. Credits: 2

FCS 4150 - The Profession of Dietetics.

(1-0-1) F. An overview of the field of dietetics, including an in-depth look at the numerous opportunities in dietetics and the application process for the post-baccalaureate dietetic internship. **Prerequisites & Notes:** Completion of 75 hours. Credits: 1

FCS 4230 - Special Topics in Family and Consumer Sciences.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230A - Special Topics in Family and Consumer Sciences I.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230B - Special Topics in Family and Consumer Sciences II.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230D - Special Topics in Family and Consumer Sciences III.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230E - Special Topics in Family and Consumer Sciences IV.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230F - Special Topics in Family and Consumer Sciences V.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230H - Special Topics in Family and Consumer Sciences VI.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4230I - Special Topics in Family and Consumer Sciences VII.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Study of special topics and emerging areas in family and consumer sciences not usually covered in other courses. Study may include readings, reports, and group discussions. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235 - International Special Topics in Family and Consumer Sciences.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235A - International Special Topics in Family and Consumer Sciences I.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235B - International Special Topics in Family and Consumer Sciences II.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235D - International Special Topics in Family and Consumer Sciences III.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235E - International Special Topics in Family and Consumer Sciences IV.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235F - International Special Topics in Family and Consumer Sciences V.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235H - International Special Topics in Family and Consumer VI.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4235I - International Special Topics in Family and Consumer Sciences VII.

(1-0-1) or (2-0-2) or (3-0-3) On Demand. Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing, and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 3

FCS 4240 - Child Advocacy.

(1-0-1) On Demand. Overview of the legislative process and public policy affecting young children aged birth to eight years with specific focus on how advocacy relates to the child care industry. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Course may not be repeated. Credits: 1

FCS 4242 - Computer Use For Childcare Administrators.

(2-0-2) On Demand. Focus on integrating various forms of technology into the early childhood environment for record-keeping, family and community connections, and in the development of personal portfolios to document professional practice. The course provides tools to allow professionals to maximize the use of technological resources to enhance children's learning while applying developmentally appropriate criteria to each application. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Credits: 2

FCS 4244 - Working with Families of Children Identified as Exceptional.

(3-0-3) On Demand. Study of characteristics of young children identified as exceptional as related to family interactions and effective communication with the child, school, and community environments as related to the early childhood care environment. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Credits: 3

FCS 4246 - Curriculum for Child Care Homes and Centers.

(3-0-3) On Demand. Examination of early childhood program curriculum models, including curriculum development, implementation, and evaluation appropriate for family child care homes and centers. Focus on the components of the early childhood program base, importance of determining or selecting a program base, and the use of the program base to develop a program rationale and the program goals. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Course may not be repeated. Credits: 3

FCS 4250 - Designing and Managing Learning Environments in Early Childhood Programs.

(2-0-2) On Demand. Focus on the use of developmental and cognitive theory in the design and utilization of experientially rich environments in the childcare environment. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Credits: 2

FCS 4256 - Working with School-Age Care Programs.

(3-0-3) On Demand. Study of the whole child's development between the ages of 6 and 8 years and the application of the child development knowledge to appropriate planning, implementing, and evaluating care and educational programs. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Credits: 3

FCS 4262 - Discipline and Guidance of Young Children.

(2-0-2) On Demand. Overview of guidance/discipline theories for use with young children birth to age eight; understanding and preventing challenging behavior; intervention strategies; functional assessment; strategies to minimize or eliminate challenging behaviors; partnerships with parents/families; available resources, and the development of an action plan. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Credits: 2

FCS 4264 - Child Care Programs: Development and Grant Writing.

(3-0-3) On Demand. Child care program needs assessment, legal and policy requirements, program assessment techniques, promotional strategies, funding sources, and grant writing. Course restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 3

FCS 4275 - Internship.

(Arr.-Arr.-3 to 9) (Credit/No Credit) An individually-planned work experience in a business or agency appropriate to the student's area of specialization. May be repeated once. **Prerequisites & Notes:** FCS 4000, junior standing, permission of the Chair of the School of Family and Consumer Sciences, and acceptance of the student by a business or agency. Credits: 3 to 9

FCS 4275A - Internship I.

(Arr.-Arr.-3 to 9) (Credit/No Credit) An individually-planned work experience in a business or agency appropriate to the student's area of specialization. May be repeated once. **Prerequisites & Notes:** FCS 4000, junior standing, permission of the Chair of the School of Family and Consumer Sciences, and acceptance of the student by a business or agency. Credits: 3 to 9

FCS 4300 - Consumer Issues.

(2-0-2) F, S. Current issues and problems confronting individuals and families in managing their resources. **Prerequisites & Notes:** FCS 3300. Credits: 2

FCS 4320 - Destination Management.

(3-0-3) S. An understanding of the roles destination management organizations (DMOs) and convention and visitors bureaus (CVBs) play in the hospitality and tourism industry. Creating and maintaining a destination brand is explored. Includes a study tour. **Prerequisites & Notes:** FCS 2700 and BUS 3470. Restriction: Course may not be taken by students who have completed FCS 4230 - Special Topics in Family and Consumer Sciences: Hospitality Travel Planning and Study Tour. Credits: 3

FCS 4340 - Conventions and Trade Shows.

(3-0-3) Su. Organization, arrangement and operation of conventions, trade shows, and concessions. **Prerequisites & Notes:** BUS 2101, BUS 3470, FCS 2700, and FCS 3786. Credits: 3

FCS 4342 - Computer Use for Child Care Administration.

(2-0-2) On Demand. Focus on integrating various forms of technology into the early childhood environment for record-keeping, family and community connections, and in the development of personal portfolios to document professional practice. The course provides tools to allow professionals to maximize the use of technological resources to enhance children's learning while applying developmentally appropriate criteria to each application. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Course may not be repeated. Credits: 2

FCS 4345 - Advanced Lodging Administration.

(3-0-3) S. Advanced administrative aspects of hospitality businesses with an emphasis on full service hotel facilities. **Prerequisites & Notes:** BUS 3470 or FCS 2784, FCS 2700, FCS 2740; and FCS 3786. Course restricted to juniors and seniors in the Family & Consumer Science Hospitality Management Concentration. Course may not be repeated. Credits: 3

FCS 4350 - Dining Room Management.

(3-0-3) F. Examines the basic principles of dining room service and management, including classic and contemporary methods of service, dining room organization, service quality standards, beverage management and service, cost control, customer service relations, and supervisory techniques. **Prerequisites & Notes:** FCS 2140 or FCS 3784 and BUS 2101. Credits: 3

FCS 4440 - Undergraduate Research.

(Arr.-Arr.-1-3) On Demand. This course provides the opportunity for undergraduate students to perform individualized laboratory or theoretical research in collaboration with a faculty member. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status and permission of supervising faculty member. May be repeated for a maximum of 6 credits from Undergraduate Research. Credits: 1 to 3

FCS 4440A - Undergraduate Research I.

(Arr.-Arr.-1-3) On Demand. This course provides the opportunity for undergraduate students to perform individualized laboratory or theoretical research in collaboration with a faculty member. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status and permission of supervising faculty member. May be repeated once to a maximum of 6 credits from Undergraduate Research. Credits: 1 to 3

FCS 4440B - Undergraduate Research II.

(Arr.-Arr.-1-3) On Demand. This course provides the opportunity for undergraduate students to perform individualized laboratory or theoretical research in collaboration with a faculty member. **Prerequisites & Notes:** Cumulative GPA of 2.50; at least junior status and permission of supervising faculty member. May be repeated once to a maximum of 6 credits from Undergraduate Research. Credits: 1 to 3

FCS 4444 - Honors Independent Study.

(Arr.-Arr.-3) Consideration of special topics in family and consumer sciences. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. May be repeated once. **Prerequisites & Notes:** Admission to the Departmental Honors College and permission of the Departmental Honors Coordinator. Credits: 3

FCS 4555 - Honors Research.

(3-0-3) On Demand. Study of research methods and processes including defining research problems, and collecting and analyzing data. Students will conduct a literature review and prepare a research proposal. **Prerequisites & Notes:** Admission to the Business, Family and Consumer Sciences, or Applied Engineering and Technology Departmental Honors Program and/or approval of the Business, Family and Consumer Sciences, or Technology Honors Coordinator. Course may not be repeated. Cross listed with BUS 4555 and AET 4555. Credits: 3

FCS 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research in preparation of a thesis on a topic in family and consumer sciences approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

FCS 4680 - Family Systems and their Impact on Child Care.

(3-0-3) On Demand. Overview of the diversity of family systems and their impact on the child care industry. Specific focus on the traditional and non-traditional family systems and their influence on the young child, the fundamental relationships within which children live, how those relationships impact the caregiving environment, and ways in which to develop positive interactions between families and caregivers while identifying and utilizing community resources. **Prerequisites & Notes:** Admission to the B.A. in General Studies: Option in Childcare Education (ABC program) or permission of instructor. Course may not be repeated. Credits: 3

FCS 4685 - Developing Cultural Awareness in Young Children.

(3-0-3) On Demand. Exploration of the history of multicultural education for young children from birth to age eight and discussion of the Intercultural Learning Process, examination of personal views on diversity and cultural privilege, determination of the need children have for cultural awareness, examination of the cultural stereotypes in media used by children, and techniques for helping children develop cultural competence. Course restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 3

FCS 4686 - Activity Planning to Facilitate Brain Development and Concept Formation in Infant, Toddler, and Preschool Children.

(3-0-3) On Demand. Study of the process of brain development during the infant, toddler and preschool years; appropriate interaction between child and caregiver related to neural connections; and activity planning based in concrete concept formation fitting the developmental imperatives for young children. Students will prepare, implement and evaluate activity plans. Course restricted to students admitted to the Bachelor of Arts in General Studies: Option in Child Care Education (ABC Program). Credits: 3

FCS 4750 - Advanced Human Nutrition.

(3-0-3) S. Emphasis on biochemical functions of nutrients in the study of human nutrition. **Prerequisites & Notes:** CHM 1310G, 1315G, 1410, 1415, 2430, 2435, and 3300; FCS 2100 and 3755; and BIO 2001G; or permission of instructor. Credits: 3

FCS 4751 - Nutrition Therapy.

(4-0-4) F. Application of the science of nutrition to the maintenance of optimum health and the role of nutrition in the prevention and treatment of disease. **Prerequisites & Notes:** CHM 2430/2335, FCS 2100, and FCS 3755. Credits: 4

FCS 4752 - Focus on Diabetes.

(1-0-1) S. In-depth study of diabetes, including the roles of medical nutrition therapy, pharmaceutical therapy, and exercise to promote self-management of diabetes. **Prerequisites & Notes:** FCS 2100 or permission of the instructor. Credits: 1

FCS 4753 - Nutrition and the Addicted Person.

(1-0-1) S. Consideration of nutrition needs and eating problems of addicted persons; nutrition management and treatment plans. **Prerequisites & Notes:** FCS 2100. Credits: 1

FCS 4755 - Nutrition for Physical Performance.

(3-0-3) F, S. Examination of metabolism and energy systems related to physical performance. Planning optimum diets for performance. Examine/evaluate controversial practices that may influence metabolism and performance. **Prerequisites & Notes:** FCS 2100 and BIO 2001G. Credits: 3

FCS 4756 - Adult Weight Management.

(3-0-3) F, S. Study of economic and health impact of overweight/obesity on individuals and society as well as the application of weight management therapies for treatment. **Prerequisites & Notes:** FCS 2100 and BIO 2001G. Credits: 3

FCS 4770 - Consumer Decisions in the Marketplace.

(3-0-3) F. Use of personal and family resources to improve consumer decision-making including discussion of government and business influences. **Prerequisites & Notes:** FCS 3300 or permission of the instructor. Credits: 3

FCS 4820 - Death and Dying.

(3-0-3) Issues of death and dying and their implications for individuals and their families. Credits: 3

FCS 4838 - Pattern Development & Design.

(2-2-3) S. Application of flat patterning theories and techniques to create original apparel and accessory products using industry state-of-the-art patterning software. **Prerequisites & Notes:** FCS 2234 or graduate student status or permission of instructor after evaluation of clothing construction samples. Credits: 3

FCS 4840 - The Disadvantaged Family.

(3-0-3) Low income and minority group families and their values, needs, problems, and practices. **Prerequisites & Notes:** FCS 1800 or FCS 2800. Credits: 3

FCS 4845 - The Family in Crisis.

(3-0-3) On Demand. This course will define what is meant by family crisis, identify some of the major theoretical frameworks for studying families in crisis, consider major life-style transitions, and explore the major catastrophic crises families face. It will also examine resources and strengths that enable families to deal with crises more adequately. Online sections of this course are restricted to students enrolled in the Bachelor of Arts in General Studies: Option in Child Care Education (ABC) program. **Prerequisites & Notes:** FCS 1800 or FCS 2800 or equivalents. Credits: 3

FCS 4846 - Aging and the Family.

(3-0-3) Aging as a phase in the family developmental process and the consequent effect. **Prerequisites & Notes:** FCS 1800 or FCS 2800. Credits: 3

FCS 4851 - Infant Development.

(2-2-3) Study of current theories and research on infant and toddler development and care. Application of knowledge through supervised observation and participation in Family and Consumer Sciences Infant Development Laboratory. **Prerequisites & Notes:** FCS 2850 or permission of the instructor. Credits: 3

FCS 4854 - Parent/Child Study and Community Involvement.

(3-0-3) On Demand. Detailed study of parent-child interaction and community involvement; in-depth study of parent education programs, methodology and techniques. Observation required. Online sections of this course are restricted to students enrolled in the Bachelor of Arts in General Studies: Option in Child Care Education (ABC) program. Credits: 3

FCS 4859 - Administration of Child Care Programs.

(3-0-3) Organization, administration, curricula, facilities, licensing, parent involvement/education, and types of child care programs are presented. Observation required. Credits: 3

FCS 4860 - Addictions and the Family.

(3-0-3) On Demand. Study of the interaction affects between the addicted person and the family or significant others. Educational techniques and family intervention strategies for families of addicted persons will be reviewed. Online sections of this course are restricted to students enrolled in the Bachelor of Arts in General Studies: Option in Child Care Education (ABC) program. **Prerequisites & Notes:** FCS 1800 or FCS 2800 or equivalents. Credits: 3

FCS 4926 - Public Presentation Techniques.

(3-0-3) F, S. Development of visual merchandising techniques and materials to present goods and services in relationship to functional and aesthetic concerns. **Prerequisites & Notes:** Graduate Status or FCS 1000, FCS 2244. Credits: 3

FCS 4940 - Food Systems Management.

(3-0-3) F, S. Organization and administration of food service systems, human resource management, cost control, food purchasing, facility and equipment planning. **Prerequisites & Notes:** BUS 2101, BUS 3010, FCS 1120, FCS 1121, and FCS 2140 or 3784, or permission of the instructor. Credits: 3

FINANCE (FIN)

FIN 3300 - Fundamentals of Financial and Tax Planning.

(3-0-3) S. An introduction to the financial and tax planning process. **Prerequisites & Notes:** Admission to the School of Business and BUS 3710, or permission of the Associate Chair. Credits: 3

FIN 3720 - Investments.

(3-0-3) F, S. The study of investment theories and practices for implementing investment goals in relation to risk-return tradeoffs. **Prerequisites & Notes:** BUS 2710 with a C or better or BUS 3710 with a grade of C or better, BUS 2810, and admission to the School of Business or to a minor offered by the School of Business, or permission of the Associate Chair. Credits: 3

FIN 3730 - Financial Markets: Commodities, Derivatives, and Securities.

(3-0-3) F, S. The course provides comprehensive discussion of the financial sector including financial markets, determination of interest rates, and valuation and uses of derivative securities. **Prerequisites & Notes:** BUS 3710 with a grade of C or better and admission to the School of Business or permission of the Associate Chair. Credits: 3

FIN 3740 - Real Estate Fundamentals.

(3-0-3) On Demand. A study of theory and practice in real estate, with social, legal and economic implications. **Prerequisites & Notes:** BUS 3710 with a grade of C or better or BUS 2710 with a C or better; junior standing; admission to the School of Business or to a minor offered by the School of Business; or permission of the Associate Chair, School of Business. Credits: 3

FIN 3750 - Management of Financial Institutions.

(3-0-3) F, S. The management, organizational structure, regulatory environment, and risks of financial institutions. **Prerequisites & Notes:** BUS 3710 with a grade of C or better or BUS 2710 with a C or better, and admission to the School of Business or to a minor offered by the School of Business, or permission of the Associate Chair. Credits: 3

FIN 3760 - Real Estate Investment

(3-0-3) On Demand. A study of the unique characteristics of real property and the application of standard finance concepts to real estate investment analysis with considerations for mixed asset portfolios. **Prerequisites & Notes:** BUS 3710 with a grade of C or better; FIN 3720; and admission to the School of Business or permission of the Associate Chair. Credits: 3

FIN 3770 - Working Capital Management.

(3-0-3) F, S. The management of the short-term assets and liabilities of a business. Includes financial forecasting, banking and bank relationships, short-term sources and uses of funds. **Prerequisites & Notes:** BUS 3710 with a C or better or BUS 2710 with a C or better, and admission to the School of Business or to a minor offered by the School of Business, or permission of the Associate Chair. Credits: 3

FIN 3780 - Long-Term Financial Management.

(3-0-3) F, S. The management of the long-term assets and liabilities of a business. Includes capital budgeting, capital structure, cost of capital, and dividend decisions. **Prerequisites & Notes:** BUS 3710 with a grade of C or better and admission to the School of Business or permission of the Associate Chair. Credits: 3

FIN 3900 - Risk and Insurance.

(3-0-3) On Demand The study of risk management to include life, health, property, and liability insurance. **Prerequisites & Notes:** BUS 2102 and BUS 3710 with a grade of C or better, ECN 2802G, junior standing, and admission to the School of Business or permission of the Associate Chair. Credits: 3

FIN 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business. Additional prerequisites to be determined by the topic to be covered Credits: 1 to 15

FIN 4110 - Special Topics in Finance.

(3-0-3) On Demand. Topics to be announced. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** BUS 3710, with a grade of C or better, admission to the School of Business or permission of the School of Business Associate Chair. Specific additional prerequisites will depend on the topic. Credits: 3

FIN 4200 - Portfolio Management.

(3-0-3) F, S. An introduction to constructing and managing investment portfolios. The emphasis is on maximizing investors' risk-adjusted returns through security selection and diversification. **Prerequisites & Notes:** FIN 3720 and FIN 3730, and admission to the School of Business or permission of the Associate Chair. Credits: 3

FIN 4220 - Applied Securities Analysis.

(3-0-3) F, S. An integration of investment and portfolio management concepts with applications to real-time portfolio management. Students research, recommend, and execute buy/sell orders. Topics include analyst research, research report writing, portfolio manager decision-making, and development of skills to recognize anomalies in security markets. **Prerequisites & Notes:** FIN 3720 and FIN 3730, admission to the School of Business, and permission of the instructor. Credits: 3

FIN 4275 - Internship in Finance.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of finance knowledge and skills. **Prerequisites & Notes:** Admission to the School of Business, BUS 3710, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

FIN 4275A - Internship in Finance I.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of finance knowledge and skills. **Prerequisites & Notes:** Admission to the School of Business, BUS 3710, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

FIN 4300 - Retirement and Estate Planning.

(3-0-3) S. An integration of the financial planning process, concepts and applications into structuring planning for retirement and the transfer of assets through a will, or trusts and gifts. **Prerequisites & Notes:** Admission to the School of Business and BUS 3710, or permission of the Associate Chair. Credits: 3

FIN 4400 - Financial Analysis and Planning

(3-0-3) On Demand. A seminar approach to studying the contemporary issues concerning analysis of firm performance and development of financial plans to support the firm's strategic objectives. **Prerequisites & Notes:** BUS 3710 with a grade of C or better, FIN 3720, FIN 3730, FIN 3770, and FIN 3780. Credits: 3

FIN 4500 - Financial Planning Case Studies.

(3-0-3) S. In this capstone course in the financial planning curriculum, students develop comprehensive financial plans to achieve client-specific goals. Financial planning software will be used. **Prerequisites & Notes:** FIN 3300, FIN 3720, FIN 3900, FIN 4300, and admission to the School of Business. FIN 3900 and FIN 4300 may be taken concurrently with FIN 4500. Credits: 3

FIN 4740 - Independent Study.

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3710, senior standing, cumulative grade-point average of 3.0

or higher, consent of the supervising instructor and approval of a completed application by the School of Business Associate Chair, prior to registration. Credits: 1 to 6

FIN 4820 - International Finance.

(3-0-3) F. Financial aspects of operating multinational firms. Topics included are international markets, exchange rate theories, foreign trade financing, and both raising funds and investing resources internationally. **Prerequisites & Notes:** BUS 3710 with a grade of C or better, FIN 3730; BUS 3200 or ECN 3860; and admission to the School of Business or permission of the Associate Chair. WI Credits: 3

FOREIGN LANGUAGES

Chinese (FLC)

FLC 1101 - Elementary Chinese I.

(4-0-4) F, S. The course introduces students to the official Chinese language (Mandarin) in its five aspects: listening, speaking, reading, writing and culture. Credits: 4

FLC 1102 - Elementary Chinese II.

(4-0-4) F, S. The course continues the introduction of students to the official Chinese language (Mandarin) in its five aspects: listening, speaking, reading, writing and culture begun in FLC 1101. **Prerequisites & Notes:** FLC 1101 or equivalent. Credits: 4

Undergraduate Courses Taught in English (FLE)

FLE 2050 - Comparative Language Structures.

(3-0-3) F. Introduction to phonetics, morphology and lexicology with emphasis on French, German, Latin and Spanish. No prerequisite, but Foreign Languages 1102 or equivalent is recommended. Credits: 3

FLE 2061G - German Literature in Translation.

(3-0-3) F, S, or Su. This course is designed to introduce students to a representative sample of German literature and literary movements from 1750 to 1950. Course is taught in English. All texts are in English translation. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

FLE 2062G - Hispanic Literature in Translation.

(3-0-3) F, S, or Su. This course is a survey of representative works of Hispanic Literature in English translation. Course is taught in English. All texts are in English translation. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

FLE 2063G - Francophone Literature in Translation.

(3-0-3) F, S, or Su. A survey of representative works, literary movements and their cultural implications from Francophone literature around the world presented in English translation. Course is taught in English. All texts are in English translation. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

FLE 3025 - Women in the Hispanic World.

(3-0-3) On Demand. This course explores the contributions of Hispanic women to literature, the arts and politics in the Spanish-speaking world from the colonial period to the present. Students will read original work by women, as well as critical essays written about them. Students will also be introduced to scholarship on gender, race, class and national identity. WI Credits: 3

FLE 3050 - Culture and Language in the French-Speaking World.

(3-0-3) On Demand. Students will be introduced to French-speaking communities throughout the world. This course will examine the diverse factors throughout history that have created these Francophone communities and some of the contemporary threats to their cohesion and growth. **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

FLE 3400 - Methods of Teaching Foreign Language.

(3-0-3) F. Thirty clock hours in pre-student teaching are required. **Prerequisites & Notes:** EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

FLE 44001 - Independent Study in Foreign Languages I.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

FLE 44002 - Independent Study in Foreign Languages II.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

FLE 44003 - Independent Study in Foreign Languages III.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

FLE 44004 - Independent Study in Foreign Languages IV.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

FLE 44005 - Independent Study in Foreign Languages V.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

FLE 44006 - Independent Study in Foreign Languages VI.

(Arr.-Arr.-1-3) Intensive individual study of a topic selected by the student in collaboration with the instructor in a foreign language in which no advanced courses are offered. **Prerequisites & Notes:** Consent of instructor and permission of Department Chairperson. May be repeated once for a combined maximum credit of 12 semester hours. Credits: 1 to 3

French (FLF)**FLF 1101 - Elementary French I.**

(4-0-4) F, S. First semester of a two-semester course in which speaking, listening, reading, writing and culture are emphasized. Use of language laboratory. No more than one year high school French allowed without permission of Department Chairperson. Credits: 4

FLF 1102 - Elementary French II.

(4-0-4) F, S. Second semester of a two-semester course in which speaking, listening, reading, writing, and culture are emphasized. Use of language laboratory. No more than two years of high school French allowed without permission of Department Chair. **Prerequisites & Notes:** Must have successfully completed FLF 1101 or one year of high school French language or a course articulated as equivalent to FLF 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

FLF 2201G - Intermediate French I.

(4-0-4) F,S. Review of grammar; exercise in composition and conversation; reading of selected material. Use of the language laboratory. No more than three years of high school French allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLF 1102 or two years of high school French language or a course articulated as equivalent to FLF 1102. Credits: 4

FLF 2202G - Intermediate French II.

(4-0-4) F, S. Review of grammar; exercise in composition and conversation; reading of selected material. Use of the language laboratory. No more than four years of high school French allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLF 2201G or three years of high school French language or a course articulated as equivalent to FLF 2201G. Credits: 4

FLF 3220 - French for Business.

(3-2-3) On Demand. This course is an integrated, applied language program that targets business and technology from an everyday life perspective. All four language skills are stressed (reading, writing, listening, and speaking) within an authentic matrix of French and francophone culture. **Prerequisites & Notes:** FLF 2202G or the equivalent. Credits: 3

FLF 3300 - French Phonetics.

(3-0-3) On Demand. Systematic drills used to increase the student's knowledge of the phonological structure of French and to eliminate errors caused by the interference of the student's native English. **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3301 - French Conversation.

(3-0-3) On Demand. Consolidation of grammatical and phonological principles through their application in oral expositions. **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3302 - French Advanced Grammar.

(3-0-3) On Demand. A study of some of the problems in French speaking and writing faced by English speakers and writers. WI **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3304 - French Civilization.

(3-0-3) On Demand. A contrastive study of certain aspects of contemporary French and American culture. WI **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3305 - French Literature I.

(3-0-3) On Demand. Survey of French literature from the Middle Ages to the eighteenth century. WI **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3306 - French Literature II.

(3-0-3) On Demand. Survey of French literature from the eighteenth century to the present. WI **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3401 - Cadet Teaching.

(Arr.-Arr.-1-3) Observation and supervised micro-teaching in the French classroom. **Prerequisites & Notes:** FLF 3000, its equivalent, or permission of the Department Chairperson. Credits: 1 to 3

FLF 3402 - Advanced French Oral Proficiency.

(2-0-2) On Demand. Intensive oral interview preparation and practice. **Prerequisites & Notes:** Nine semester hours of upper-division French including FLF 3301. The course may be repeated once for credit in the Major for a maximum credit of 4 semester hours. Also, the course is restricted to majors in Foreign Languages with Concentration in French, majors in French with Teacher Certification, and minors in French. Credits: 2

FLF 3501 - French for Young Learners.

(Arr.-0-1 to 3) F, S. Supervised French activities. Exploring language and culture with young learners. Equivalent course: FLF 3401. **Prerequisites & Notes:** FLF 2202G or equivalent. May be repeated once for maximum combined credit of six semester hours. Credits: 1 to 3

FLF 3501A - French for Young Learners II.

(Arr.-0-1 to 3) F, S. Supervised French activities. Exploring language and culture with young learners. Equivalent course: FLF 3401. **Prerequisites & Notes:** FLF 2202G or equivalent. May be repeated once for maximum combined credit of six semester hours. Credits: 1 to 3

FLF 3501B - French for Young Learners III.

(Arr.-0-1 to 3) F, S. Supervised French activities. Exploring language and culture with young learners. Equivalent course: FLF 3401. **Prerequisites & Notes:** FLF 2202G or equivalent. May be repeated once for maximum combined credit of six semester hours. Credits: 1 to 3

FLF 3820 - French Composition and Stylistics.

(3-0-3) On Demand. A study of basic principles essential for effective formal and informal writing in French. **Prerequisites & Notes:** FLF 2202G or permission of the Department Chairperson. Credits: 3

FLF 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

FLF 4100 - Topics in Francophone Cultures.

(3-0-1-3) On Demand. Special topics in French and Francophone cultures not ordinarily treated in standard courses. Topic and outlines of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for credit. Credits: 1 to 3

FLF 4100A - Topics in Francophone Cultures.

(3-0-1-3) On Demand. Special topics in French and Francophone cultures not ordinarily treated in standard courses. Topic and outlines of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for credit. Credits: 1 to 3

FLF 4100B - Topics in Francophone Cultures.

(3-0-1-3) On Demand. Special topics in French and Francophone cultures not ordinarily treated in standard courses. Topic and outlines of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for credit. Credits: 1 to 3

FLF 4200 - Topics in Francophone Literatures.

(3-0-1-3) On Demand. Special topics in French and Francophone literatures not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for maximum combined credit of six semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLF 4200A - Topics in Francophone Literatures.

(3-0-1-3) On Demand. Special topics in French and Francophone literatures not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for maximum combined credit of six semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLF 4200B - Topics in Francophone Literatures.

(3-0-1-3) On Demand. Special topics in French and Francophone literatures not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or consent of the Department Chairperson. May be repeated once for maximum combined credit of six semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLF 4275A - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in French courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for a maximum combined credit of 4 semester hours. Credits: 1 to 4

FLF 4275B - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in French courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLF 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for a maximum combined credit of 4 semester hours. Credits: 1 to 4

FLF 44001 - Independent Study I.

(Arr.-Arr.-1-3) Intensive individual study of a topic in French, selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages

or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLF 44002 - Independent Study II.

(Arr.-Arr.-1-3) Intensive individual study of a topic in French, selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLF 44003 - Independent Study III.

(Arr.-Arr.-1-3) Intensive individual study of a topic in French, selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLF 4401 - French Novel I.

(3-0-3) On Demand. Selected novels from Mme. de La Fayette to Balzac. WI **Prerequisites & Notes:** Three years of college French or permission of the Department Chairperson. Credits: 3

FLF 4402 - French Novel II.

(3-0-3) On Demand. Selected novels from Stendhal to the present. WI **Prerequisites & Notes:** Three years of college French or permission of the Department Chairperson. Credits: 3

FLF 4444 - Honors Independent Study.

(Arr.-Arr.-3) Intensive study and writing on topics in foreign language, literature and culture approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. Credits: 3

FLF 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research and preparation of a thesis on a topic in foreign language, literature or culture approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. Credits: 3

FLF 4666 - Honors Seminar.

(3-0-3) Reading, writing and discussion on selected topics in foreign language, literature and culture. A term paper and a seminar presentation are required. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. Credits: 3

FLF 4760 - French Drama.

(3-0-3) On Demand. French drama from the fifteenth century to the present. WI Credits: 3

FLF 4770 - French Poetry.

(3-0-3) On Demand. Selected authors from Villon to the present. WI Credits: 3

General (FLX)

FLX 1101A - Elementary Language Course I.

(4-0-4) On Demand. This course is designed to provide students with basic knowledge of grammar, vocabulary and culture that will enable them to develop level-appropriate communicative skills and perform basic tasks in a society in which the target language is spoken. **Prerequisites & Notes:** Each instance of FLX 1101 must represent a different language. For example, FLX 1101A might be Arabic while FLX 1101B might be Japanese. Any instance of FLX 1101 can only be repeated for reasons of recalculation of GPA. Credits: 4

FLX 1101B - Elementary Language Course I.

(4-0-4) On Demand. This course is designed to provide students with basic knowledge of grammar, vocabulary and culture that will enable them to develop level-appropriate communicative skills and perform basic tasks in a society in which the target language is spoken. **Prerequisites & Notes:** Each instance of FLX 1101 must represent a different language. For example, FLX 1101A might be Arabic while FLX 1101B might be Japanese. Any instance of FLX 1101 can only be repeated for reasons of recalculation of GPA. Credits: 4

FLX 1102A - Elementary Language Course II.

(4-0-4) On Demand. This course is designed to provide students with further knowledge of grammar, vocabulary and culture that will enable them to develop level-appropriate communicative skills and perform tasks in a society in which the target language is spoken. **Prerequisites & Notes:** FLX 1101 or equivalent course work. Each instance of FLX 1102 must represent a different language. For example, FLX 1102A might be Arabic while FLX 1102B might be Japanese. Any instance of FLX 1102 can only be repeated for reasons of recalculation of GPA. Credits: 4

FLX 1102B - Elementary Language Course II.

(4-0-4) On Demand. This course is designed to provide students with further knowledge of grammar, vocabulary and culture that will enable them to develop level-appropriate communicative skills and perform tasks in a society in which the target language is spoken. **Prerequisites & Notes:** FLX 1101 or equivalent course work. Each instance of FLX 1102 must represent a different language. For example, FLX 1102A might be Arabic while FLX 1102B might be Japanese. Any instance of FLX 1102 can only be repeated for reasons of recalculation of GPA. Credits: 4

German (FLG)

FLG 1101 - Elementary German I.

(4-0-4) F, S. First semester of a two-semester course in speaking, listening, reading, writing, and culture are emphasized. No more than one year of high school German allowed without permission of Department Chair. Credits: 4

FLG 1102 - Elementary German II.

(4-0-4) F, S. Second semester of a two-semester course in which speaking, listening, reading, writing, and culture are emphasized. No more than two years of high school German allowed without permission of Department Chair. **Prerequisites & Notes:** Must have successfully completed FLG1101 or one year of high school Italian language or a course articulated as equivalent to FLG 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

FLG 2201G - Intermediate German I.

(4-0-4) F. Review of grammar practice of conversation and composition, reading of selected materials. No more than three years of high school German allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLG 1102 or two years of high school German language or a course articulated as equivalent to FLG 1102. Credits: 4

FLG 2202G - Intermediate German II.

(4-0-4 each course) S. Review of grammar practice of conversation and composition, reading of selected materials. No more than four years of high school German allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLG 2201G or three years of high school Italian language or a course articulated as equivalent to FLG 2201G. Credits: 4

FLG 3101 - German Conversation and Composition I.

(3-0-3) F. First semester of a two-semester sequence of German conversation and composition. WI **Prerequisites & Notes:** FLG 2202G or equivalent. Credits: 3

FLG 3102 - German Conversation and Composition II.

(3-0-3) S. Second semester of a two-semester sequence of conversation and composition. WI **Prerequisites & Notes:** FLG 3101, its equivalent or permission of the Department Chairperson. Credits: 3

FLG 3200 - German Culture and Civilization.

(3-0-3) On Demand. Survey of German culture and civilization from its beginning to the present. **Prerequisites & Notes:** FLG 2202G or permission of the Department Chairperson. Credits: 3

FLG 3303 - German Linguistics.

(3-0-3) On Demand. Systematic drills used to build the student's knowledge of the structure of German and to eliminate errors caused by the patterns of the student's native English. **Prerequisites & Notes:** FLG 2202G or permission of the Department Chairperson. Credits: 3

FLG 3310 - Survey of German Literature I.

(3-0-3) On Demand. Survey of German literature to 1700. WI **Prerequisites & Notes:** Three years of college German or permission of the Department Chairperson. Credits: 3

FLG 3311 - Survey of German Literature II.

(3-0-3) On Demand. Survey of German literature from 1700 into the twentieth century. WI **Prerequisites & Notes:** FLG 2202G or permission of the Department Chairperson. Credits: 3

FLG 3314 - German Novella.

(3-0-3) On Demand. Survey of German Novellas and related literary theory. WI **Prerequisites & Notes:** FLG 2202 or equivalent. Credits: 3

FLG 3315 - German Lyrics and Ballads.

(3-0-3) On Demand. An examination of German language and culture through the exploration of popular lyrics and ballads. WI **Prerequisites & Notes:** FLG 2202G or permission of the Department Chairperson. Credits: 3

FLG 3330 - German for Business.

(3-0-3) On Demand. Practice in oral and written communication for the business world; conventions of letter writing, banking, import/export and other commercial transactions. WI **Prerequisites & Notes:** FLG 3301, or three years of high school German, or equivalent. Credits: 3

FLG 3401 - Cadet Teaching in German.

(Arr.-Arr.-3) (F, S) Supervised micro-teaching in one of the area elementary schools. Teaching majors and minors only. **Prerequisites & Notes:** Acceptance into Teacher Certification Program. Credits: 3

FLG 3402 - Advanced German Oral Proficiency.

(2-0-2) On Demand. Intensive oral interview preparation and practice. **Prerequisites & Notes:** Nine semester hours of upper-division German including FLG 3102. The course may be repeated once for credit in the Major for a maximum credit of 4 semester hours. Also, the course is restricted to majors in Foreign Languages with Concentration in German, majors in German with Teacher Certification, and minors in German. Credits: 2

FLG 3501 - German for Young Learners.

(Arr.-0-1 to 3) F, S. Supervised German activities. Exploring German language and culture with young learners. Equivalent course: FLG 3401. **Prerequisites & Notes:** FLG 2202G or equivalent. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLG 3501A - German for Young Learners II.

(Arr.-0-1 to 3) F, S. Supervised German activities. Exploring German language and culture with young learners. Equivalent course: FLG 3401. **Prerequisites & Notes:** FLG 2202G or equivalent. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLG 3501B - German for Young Learners III.

(Arr.-0-1 to 3) F, S. Supervised German activities. Exploring German language and culture with young learners. Equivalent course: FLG 3401. **Prerequisites & Notes:** FLG 2202G or equivalent. May be repeated once for a maximum combined credit of six semester hours. Credits: 1 to 3

FLG 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

FLG 4275A - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in German courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLG 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for a maximum combined credit of 4 semester hours. Credits: 1 to 4

FLG 4275B - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in German courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLG 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for a maximum combined credit of 4 semester hours. Credits: 1 to 4

FLG 44001 - Independent Study I.

(Arr.-Arr.-1-3) Intensive individual study of a topic in German selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. May be repeated once for maximum combined credit of 3 semester hours. Credits: 1 to 3

FLG 44002 - Independent Study II.

(Arr.-Arr.-1-3) Intensive individual study of a topic in German selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. May be repeated once for maximum combined credit of 3 semester hours. Credits: 1 to 3

FLG 44003 - Independent Study III.

(Arr.-Arr.-1-3) Intensive individual study of a topic in German selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. May be repeated once for maximum combined credit of 3 semester hours. Credits: 1 to 3

FLG 4405 - Topics of German Literature.

(0-3-1-3) On Demand. Special topics in German literature not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLG 2202G or consent of the Department Chairperson. Combinations of the topic courses may be taken for a maximum credit of 6 semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLG 4405A - Topics of German Literature.

(3-0-1-3) On Demand. Special topics in German literature not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLG 2202G or consent of the Department Chairperson. Combinations of the topic courses may be taken for a maximum credit of 6 semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLG 4405B - Topics of German Literature.

(3-0-1-3) On Demand. Special topics in German literature not ordinarily treated in standard courses. Topic and outline of course will vary. WI **Prerequisites & Notes:** Six semester hours beyond FLG 2202G or consent of the Department Chairperson. Combinations of the topic courses may be taken for a maximum credit of 6 semester hours. Each course taken must represent a different topic. Credits: 1 to 3

FLG 4444 - Honors Independent Study.

(Arr.-Arr.-3) Intensive study and writing on topics in foreign language, literature and culture approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. Credits: 3

FLG 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research and preparation of a thesis on a topic in foreign language, literature or culture approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. Credits: 3

FLG 4666 - Honors Seminar.

(3-0-3) Reading, writing and discussion on selected topics in foreign language, literature and culture. A term paper and a seminar presentation are required. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Department Chairperson. May be taken twice for a maximum combined credit of six semester hours. Credits: 3

FLG 4740 - Goethe.

(3-0-3) Alternate years. In-depth study of selected works by Goethe. WI Credits: 3

FLG 4750 - Introduction to German Stylistics.

(3-0-3) On Demand. Elements of prose composition: form, style and content. **Prerequisites & Notes:** Three years of college German or permission of the Department Chairperson. Credits: 3

FLG 4751 - German for Reading Knowledge I

(4-0-4) On Demand. German Reading 1. This course is designed to introduce students to a basic knowledge of German that they can then use to do research in German in their chosen field. This course cannot be used to meet any requirements of the major in Foreign Languages, German concentration or the German minor. Credits: 4

FLG 4752 - German for Reading Knowledge II

(4-0-4) On Demand. German Reading 2. This course is designed to prepare and then to give students an opportunity to do research in German in their chosen fields. This course cannot be used to meet any requirements of the major in Foreign Languages, German concentration or the German minor. **Prerequisites & Notes:** FLG 4751 or permission of the Department Chair and the Instructor. Credits: 4

Italian (FLI)**FLI 1101 - Beginning Italian I.**

(4-0-4) On Demand. This course is designed as the first semester of a four semester sequence in which speaking, listening, reading, and writing in Italian as well as Italian culture are emphasized. The course requires consistent use and exploration of online multimedia resources. No more than one year of high school Italian allowed without permission of Department Chair. Credits: 4

FLI 1102 - Beginning Italian II.

(4-0-4) On Demand. This course is designed as the second semester of a four semester sequence in which speaking, listening, reading, and writing in Italian as well as Italian culture are emphasized. The course requires consistent use and exploration of online multimedia resources. No more than two years of high school Italian allowed without permission of Department Chair. **Prerequisites & Notes:** Must have successfully completed FLI 1101 or one year of high school Italian language or a course articulated as equivalent to FLI 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

FLI 2201G - Intermediate Italian I.

(4-0-4) On Demand. This course is designed as the third semester of a four semester sequence in which speaking, listening, reading, and writing in Italian as well as Italian culture are emphasized. The course requires consistent use and exploration of online multimedia resources. No more than three years of high school Italian allowed without permission of Department Chair. WI **Prerequisites & Notes:** Must have successfully completed FLI 1102 or two years of high school Italian language or a course articulated as equivalent to FLI 1102. Credits: 4

FLI 2202G - Intermediate Italian II.

(4-0-4) On Demand. This course is designed as the fourth semester of a four semester sequence in which speaking, listening, reading, and writing in Italian as well as Italian culture are emphasized. The course requires consistent use and exploration of online multimedia resources. No more than four years of high school Italian allowed without permission of Department Chair. WI **Prerequisites & Notes:** Must have successfully completed FLI 2201G or three years of high school Italian language or a course articulated as equivalent to FLI 2201G. Credits: 4

Latin (FLL)**FLL 1101 - Elementary Latin I.**

(4-0-4) F. First semester of a four-semester sequence in which reading and translating Classical Latin are emphasized. No more than one year of high school Latin allowed without permission of Department Chair. Credits: 4

FLL 1102 - Elementary Latin II.

(4-0-4) S. Review of grammar, the Latin subjunctive, readings from selected Latin authors. No more than three years of high school Latin allowed without permission of Department Chair. WI **Prerequisites & Notes:** Must have successfully completed FLL 1101 or one year of high Latin language or a course articulated as equivalent to FLL 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

FLL 2201G - Intermediate Latin I.

(4-0-4) On Demand. Review of grammar, the Latin subjunctive, readings from selected Latin authors. No more than three years of high school Latin allowed without permission of Department Chair. WI **Prerequisites & Notes:** Must have successfully completed FLL 1102 or two years of high school Latin or a course articulated as equivalent to FLL 1102. Credits: 4

FLL 2202G - Intermediate Latin II.

(4-0-4) On Demand. Review of grammar, selected readings from Cicero, Caesar, Catullus, Virgil and Ovid. No more than four years of high school Latin allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLL 2201G or three years of high school Latin or a course articulated as equivalent to FLL 2201G. Credits: 4

Russian (FLR)**FLR 1101 - Elementary Russian I.**

(4-0-4) On Demand. First semester of a two-semester course in which speaking, listening, reading, writing and culture are emphasized. No more than one year of high school Russian allowed without permission of Department Chair. Credits: 4

FLR 1102 - Elementary Russian II.

(4-0-4) On Demand. Second semester of a two-semester course in which speaking, listening, reading, writing, and culture are emphasized. No more than two years of high school Russian allowed without permission of Department Chair. **Prerequisites & Notes:** Must have successfully completed FLR 1101 or one year of high school Russian language or a course articulated as equivalent to FLR 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

Spanish (FLS)**FLS 1101 - Elementary Spanish I.**

(4-0-4) F, S. First semester of a two-semester sequence in which speaking, listening, reading, writing and culture are emphasized. Use of language laboratory. No more than one year of high school Spanish allowed without permission of the Department Chairperson. Credits: 4

FLS 1102 - Elementary Spanish II.

(4-0-4) F, S. Second semester of a two-semester sequence in which speaking, listening, reading, writing and culture are emphasized. Use of language laboratory. No more than two years of high school Spanish allowed without permission of Department Chair. **Prerequisites & Notes:** Must have successfully completed FLS 1101 or one year of high school Spanish language or a course articulated as equivalent to FLS 1101. Course may be used to meet the second semester of the Foreign Language Graduation Requirement. Credits: 4

FLS 1191 - Beginning Spanish I, Honors.

(4-0-4) F, S. First semester of a two-semester course in which speaking, listening, reading, writing and culture are emphasized. Use of language laboratory. **Prerequisites & Notes:** Admission to the Honors Program. No more than one year of high school Spanish allowed without permission of the Department Chairperson. Credits: 4

FLS 1192 - Beginning Spanish II, Honors.

(4-0-4) F, S. Second semester of a two-semester course in which speaking, listening, reading, writing and culture are emphasized. Use of language laboratory. **Prerequisites & Notes:** Admission to the Honors Program; FLS 1101 or FLS 1191. No more than two years of high school Spanish allowed without permission of the Department Chairperson. Credits: 4

FLS 2201G - Intermediate Spanish I.

(4-0-4) F, S. Review of grammar; practice in conversation and composition; reading of selected material. Use of the language laboratory. No more than three years of high school Spanish allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLS 1102 or 1191 or two years of high Spanish language or a course articulated as equivalent to FLS 1102 or 1191. Credits: 4

FLS 2202G - Intermediate Spanish II.

(4-0-4) F, S. No more than four years of high school Spanish allowed without permission of Department Chair. No more than four years of high school Spanish allowed without permission of Department Chair. H1 900 WI **Prerequisites & Notes:** Must have successfully completed FLS 2201G or 2291G or three years of high school Spanish language or a course articulated as equivalent to FLS 2202G or 2291G. Credits: 4

FLS 2291G - Intermediate Spanish I Honors.

(4-0-4) F, S. Review of grammar; practice in conversation and composition; reading of selected material. Use of the language laboratory. No more than three years of high school Spanish allowed without permission of Department Chair. WI **Prerequisites & Notes:** Admission to the Honors Program. Must have successfully completed FLS 1102 or 1192 or two years of high Spanish language or a course articulated as equivalent to FLS 1102 or 1192. Credits: 4

FLS 2292G - Intermediate Spanish II, Honors.

(4-0-4) F, S. Review of grammar; practice in conversation and composition; reading of selected material. Use of the language laboratory. No more than four years of high school Spanish allowed without permission of Department Chair. WI **Prerequisites & Notes:** Admission to the Honors Program. Must have successfully completed FLS 2201G or 2291G or three years of high school Spanish language or a course articulated as equivalent to FLS 2201G or 2291G. Credits: 4

FLS 3000 - Problems in Spanish Grammar.

(4-0-4) F, S. This course is designed to develop students' proficiency in the Spanish language in all four skills—listening, reading, speaking and writing—with a special focus on grammar. The student will deepen his or her knowledge and understanding of grammar. **Prerequisites & Notes:** FLS 2202 or equivalent. Credits: 4

FLS 3010 (4202) - Writing Through Literature.

(3-0-3) On Demand. This course is designed to develop students' writing proficiency in the Spanish language. Students will acquire advanced writing skills by studying literary works and writing about them. In so doing, they will expand their vocabulary, strengthen their command of grammar, and gain confidence to express themselves in writing. WC **Prerequisites & Notes:** FLS 3000 or equivalent. Credits: 3

FLS 3050 - Spanish Pronunciation and Conversation.

(4-0-4) F, S. Intensive drilling of Spanish pronunciation and further development of audio-lingual skills through conversation. **Prerequisites & Notes:** FLS 2202G, its equivalent, or permission of the Department Chairperson. Credits: 4

FLS 3201 - Business Spanish.

(3-0-3) F or S. Oral and written communication in the Hispanic business world. WI **Prerequisites & Notes:** FLS 3000, its equivalent or permission of the Department Chairperson. Credits: 3

FLS 3250 - Introduction to Hispanic Literary Analysis.

(3-0-3) On Demand. A study of the methods of literary criticism and interpretation in Spanish, including the technical vocabulary needed to analyze works in narrative, poetry and drama. **Prerequisites & Notes:** FLS 3000 (May be taken concurrently with the permission of instructor or chair.) Credits: 3

FLS 3300 - Hispanic Cinema.

(2-3-3) On Demand. Introduction to the cinematic work of Latin American, Spanish and U.S.-Hispanic-Latino film artists. Development of critical and interpretative skills that enhance appreciation of films. WI **Prerequisites & Notes:** FLS 3000 or equivalent, or permission of department chair. Credits: 3

FLS 3401 - Cadet Teaching.

(Arr.-Arr.-1-3) Observation and supervised micro-teaching in one of the department's elementary courses or in one of the local area schools. Teaching majors and minors only. May be taken in more than one language. **Prerequisites & Notes:** Prerequisite or co-requisite FLE 3400. Counts toward the major. Credits: 1 to 3

FLS 3402 - Advanced Spanish Oral Proficiency.

(2-0-2) On Demand. Intensive oral interview preparation and practice. **Prerequisites & Notes:** Nine semester hours of upper-division Spanish including FLS 3050. The course may be repeated once for credit in Major for a maximum credit of 4 semester hours. Also, the course is restricted to majors in Foreign Languages with Concentration in Spanish, majors in Spanish with Teacher Certification, and minors in Spanish. Credits: 2

FLS 3500 - Hispanic Short Story.

(3-0-3) S-even-numbered years. The history, development and meaning of short stories in Spanish. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 3501 - Spanish for Young Learners I.

(Arr.-0-1 to 3) F, S. Supervised Spanish activities. Exploring Spanish language and culture for young learners. Equivalent course: FLS 3401. **Prerequisites & Notes:** FLS 2202G or equivalent. May be repeated once for a maximum credit of six semester hours. Credits: 1 to 3

FLS 3501A - Spanish for Young Learners II.

(Arr.-0-1 to 3) F, S. Supervised Spanish activities. Exploring Spanish language and culture for young learners. Equivalent course: FLS 3401. **Prerequisites & Notes:** FLS 2202G or equivalent. May be repeated once for a maximum credit of six semester hours. Credits: 1 to 3

FLS 3501B - Spanish for Young Learners III.

(Arr.-0-1 to 3) F, S. Supervised Spanish activities. Exploring Spanish language and culture for young learners. Equivalent course: FLS 3401. **Prerequisites & Notes:** FLS 2202G or equivalent. May be repeated once for a maximum credit of six semester hours. Credits: 1 to 3

FLS 3510 - Introduction to Modern Spanish Literature.

(3-0-3) F. Introduction to Spanish literature from the eighteenth to twentieth century. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 3520 - Introduction to Modern Spanish American Literature.

(3-0-3) F. Introduction to Spanish American literature from 1886 to present. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 3530 - Spanish American Women's Novel.

(3-0-3) On Demand. This course introduces students to the novel genre in Spanish America. It explores how female writers utilized the novel as a primary forum through which they publicized their ideas and participated in the debate on the equality of the sexes and nation formation. WI **Prerequisites & Notes:** FLS 3000 or equivalent. Credits: 3

FLS 3540 - Race and Gender in Spanish American Literature.

(3-0-3) On Demand. This course focuses on the evolution of racial and gender constraints as seen through legal documents, chronicles, religious literature, newspapers, as well as in poetry, fiction and theater. WI **Prerequisites & Notes:** FLS 3000 or equivalent. Credits: 3

FLS 3550 - Contemporary Latin American Drama.

(3-0-3) On Demand. Development of major theatrical movements of Latin America during the twentieth and twenty-first centuries. Study of both text and performance. WI **Prerequisites & Notes:** FLS 3000 or equivalent. Credits: 3

FLS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

FLS 4275A - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in Spanish courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLS 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for maximum combined credit of 4 semester hours. Credits: 1 to 4

FLS 4275B - Internship.

(Arr.-Arr.-1-4) (Credit/No Credit only) A foreign or domestically based language learning experience in which the student applies and develops skills learned in Spanish courses outside the traditional classroom. **Prerequisites & Notes:** Six semester hours beyond FLS 2202G or permission of the Department Chairperson. No more than four semester hours may be counted toward the major or three semester hours toward the minor. May be repeated once for maximum combined credit of 4 semester hours. Credits: 1 to 4

FLS 4310 - Civilization and Culture of Spain.

(3-0-3) F or S. Survey of Spanish civilization from prehistoric times through the present. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 4320 - Civilization and Culture of Spanish America.

(3-0-3) F or S. A survey of historical antecedents and current social and cultural patterns of the Spanish-speaking areas of the Americas. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 44001 - Independent Study I.

(Arr.-Arr.-1-3) Intensive individual study of a topic in Spanish selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of 3 semester hours. Credits: 1 to 3

FLS 44002 - Independent Study II.

(Arr.-Arr.-1-3) Intensive individual study of a topic in Spanish selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of 3 semester hours. Credits: 1 to 3

FLS 44003 - Independent Study III.

(Arr.-Arr.-1-3) Intensive individual study of a topic in Spanish selected by the student in collaboration with the instructor and under the general supervision of the instructor. WI **Prerequisites & Notes:** Minimum GPA of 2.5, junior standing and majoring in Foreign Languages or permission of the Department Chairperson. Maximum of three semester hours may be applied to major or minor. May be repeated once for a maximum combined credit of 3 semester hours. Credits: 1 to 3

FLS 4444 - Honors Independent Study.

(Arr.-Arr.-3) Intensive study and writing on topics in foreign language, literature and culture approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the department chairperson. Credits: 3

FLS 4510 - Survey of Early Spanish Literature.

(3-0-3) F or S. Survey of Spanish literature from the Twelfth to Seventeenth Century. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 4520 - Survey of Early Spanish American Literature.

(3-0-3) On Demand. Survey of Spanish American literature from the Colonial period to 1886. WI **Prerequisites & Notes:** FLS 3000 or permission of the department chairperson. Credits: 3

FLS 4640 - Don Quixote de la Mancha.

(4-0-4) On Demand. Study of the two parts of Don Quixote de la Mancha in the original. WI **Prerequisites & Notes:** Three years of college Spanish, its equivalent, or permission of the department chairperson. Credits: 4

FLS 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research and preparation of a thesis on a topic in foreign language, literature or culture approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the department chairperson. Credits: 3

FLS 4645 - Topics in Hispanic Culture.

(3-0-3) On Demand. Special topics in Hispanic culture not ordinarily treated in standard courses. Topic and course outline will vary. WI **Prerequisites & Notes:** FLS 3000 or equivalent or consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4645A - Topics in Hispanic Culture.

(3-0-3) On Demand. Special topics in Hispanic culture not ordinarily treated in standard courses. Topic and course outline will vary. WI **Prerequisites & Notes:** FLS 3000 or equivalent or consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4645B - Topics in Hispanic Culture.

(3-0-3) On Demand. Special topics in Hispanic culture not ordinarily treated in standard courses. Topic and course outline will vary. WI **Prerequisites & Notes:** FLS 3000 or equivalent or consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4650 - Topics in Hispanic Literature.

(3-0-3) F. Special topics in Hispanic literatures not ordinarily treated in standard courses. Topic and course outline will vary. WI **Prerequisites & Notes:** FLS 3000 or equivalent or consent of the Department Chairperson. Course may be repeated on a different topic with consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4650A - Topics in Hispanic Literature.

(3-0-3) F. Special topics in Hispanic literatures not ordinarily treated in standard courses. Topic and course outline will vary. WI **Prerequisites & Notes:** FLS 3000 or equivalent or consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4650B - Topics in Hispanic Literature.

(3-0-3) F. Special topics in Hispanic literatures not ordinarily treated in standard courses. Topic and course outline will vary. WI
Prerequisites & Notes: FLS 3000 or equivalent or consent of the Department Chairperson. May be repeated once for a maximum combined credit of 6 semester hours. Each course taken must represent a different topic. Credits: 3

FLS 4666 - Honors Seminar.

(3-0-3) Reading, writing and discussion on selected topics in foreign language, literature and culture. A term paper and a seminar presentation are required. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the department chairperson. May be taken twice for a maximum combined credit of six semester hours. Credits: 3

GENERAL STUDIES (GST)**GST 1100 - Career Seminar.**

(1-0-0) S. This course is designed to help individuals develop the skills needed to make wise decisions regarding their academic and career goals. Course may not be repeated. This course is only for students in the Gateway Program. Credits: 0

GST 10001, 10002 - Reading and Study Improvement.

(2-2-2) Learning principles as they apply to the development of efficient study skills, emphasis on reading instruction designed to improve comprehension and rate. May be repeated once; does not count toward graduation. Credits: 2

GEOGRAPHY (GEG)**GEG 1100G - Cultural Geography.**

(3-0-3) A geographic survey of population, agriculture, politics, language, religion, folk and popular culture, ethnicity, and cities, focusing on origins, processes, and patterns in western and non-western cultures. S4 900N Credits: 3

GEG 1190G - Cultural Geography, Honors.

(3-0-3) On Demand. A geographic survey of population, agriculture, politics, language, religion, folk and popular culture, ethnicity, and cities, focusing on origins, processes, and patterns in western and non-western cultures. Field trips and a field research paper will enhance the student's ability to read and interpret places and landscapes. S4 900N WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

GEG 1200G - World Regional Geography.

(3-0-3) A geographic analysis exploring developed and developing regions of the world. Discussion of regions and countries, people and environments, will emphasize international understanding. Equivalent Course: GEG 1290G. S4 900N Credits: 3

GEG 1290G - World Regional Geography, Honors.

(3-0-3) On Demand. A geographical analysis examining the developed and developing regions of the world. Discussion of interrelationships between people and their environments from a spatial viewpoint. Research papers and class presentations are required to raise international geographic awareness. S4 900N WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

GEG 3000 - Geography of Illinois.

(3-0-3) Su. A regional and topical analysis of Illinois' geography. The course will focus on physical processes and landforms, historic settlement, the rural/urban divide, and current political economy, and human-environment interactions such as resource consumption, urbanization, agriculture, and the environment. Credits: 3

GEG 3020 - Natural Disasters: Causes and Effects.

(3-0-3) F. An overview of hazardous environments, natural or partly induced by human activity. Emphasis on understanding the physical processes and social systems that interact to produce disasters. Considers spatial and temporal distribution of hazards with reference to human populations. Provides options for assessing risk, disaster preparation and loss reduction. Cross listed with ESC 3020. WI Credits: 3

GEG 3025 - Geography of the United States and Canada.

(3-0-3) F-even-numbered years. Analysis of regional variations in the physical and cultural environments of the United States and Canada. Emphasis on processes shaping man's activities and spatial organizations and on place and regional images that are visually expressed in the American landscape. Credits: 3

GEG 3050 - Geography and Culture of Africa.

(3-0-3) On Demand. A geographic survey of Africa's contemporary development prospects, population growth and food production, rural-urban migration, changing cultural landscapes and their impact on the environment, urban and industrial development, history of colonialism, and regional differences in economic, social, political, cultural, and environmental conditions. Credits: 3

GEG 3055 - Geography and Culture of Asia.

(3-0-3) On Demand. A regional geography with emphasis on population dynamics, physical and cultural landscapes, environment, and economic development that gives the distinct characteristics of Eastern, Southern, Southeastern and Southwestern realms of Asia. An investigation of problems and prospects of Asian countries. Credits: 3

GEG 3060 - Geography and Culture of Europe.

(3-0-3) S-even-numbered years. This course is designed as a geographic study of the European Realm that will focus on both the human and physical characteristics of the continent. Topics will include the environmental, population, cultural, economic, and political geography of

the region. Special attention will be given to the dynamic changes of the European economic and political situation and how it impacts the continent and the rest of the world. Course may not be repeated. Credits: 3

GEG 3070 - Geography and Culture of Middle America.

(3-0-3) F. This course studies the natural and cultural landscapes of Middle America including Mexico, the Caribbean, and Central America. Special attention is given to the geographical identity and cultural diversity of the region. Topics include environmental issues, colonial history, natural resources, industrialization, geopolitical contexts, transportation, agriculture, population patterns, urban growth and migration. Credits: 3

GEG 3080 - Geography and Culture of South America.

(3-0-3) F. South America. This course studies the natural and cultural landscapes of South America. Special attention is given to the geographical identity and cultural diversity of the region. Topics include environmental issues, colonial history, natural resources, industrialization, geopolitical contexts, transportation, agriculture, population patterns, urban growth and migration. Credits: 3

GEG 3100 - Global Threats and Problems.

(3-0-3) S. An interdisciplinary study of current global problems. Four different social scientific approaches will be used to analyze complex questions regarding the survival of humanity given current threats to our environments, cultures, geopolitical affiliations, and socioeconomic structures. Topics may include famine, terrorism, information control, and disease, among others. Course may not be repeated. Cross-listed with CSC/ECN/PLS/SOC 3100. Credits: 3

GEG 3200 - Human Impacts on the Environment.

(3-0-3) Emphasis on human impacts on the environment and the necessity of conservation. Discussion of sustainability and resources as potential factors limiting society's development. Focus on humans as agents of environmental change. Cross-listed with ESC 3200. Credits: 3

GEG 3310 - Introduction to Biogeography.

(3-0-3) F. An introduction to the geographic distribution of terrestrial and aquatic organisms and the modifications of these distributions created and altered by both physical and human activities over various spatial and temporal scales. Specific attention is given to contemporary geographic issues affecting changes to both human and natural systems, their linkages, and consequences. Credits: 3

GEG 3320 - Natural Resource Conservation.

(3-0-3) S. A topical and regional assessment of conservation issues related to farmlands, wetlands, waterways, grasslands, forests, and other natural systems. Specific attention will be given to contemporary geographic issues affecting rural and agricultural conservation topics prevalent in the U.S., with specific studies focusing on east-central Illinois. Credits: 3

GEG 3330 - Agricultural Geography.

(3-0-3) S. A topical and regional analysis of historic and current trends in agricultural practices and land use. Readings pertaining to how land is used, where our food and fiber comes from, and geographic issues regarding sustainability will be central to our discussions. Specific attention will be given to U.S. agricultural systems and related issues. Credits: 3

GEG 3400 - Broadcast Meteorology Practicum.

(3-0-3) F. Study of forecasting techniques, synoptic meteorology, and using scientific methods in determining a meteorological forecast for the general public. Students will engage in preparing daily forecasts from meteorological models and then broadcast their results online. This course will enhance the students' future in broadcasting by merging science and communication. Students will have an opportunity to work with WEIU-TV. Cross-listed with ESC 3400. **Prerequisites & Notes:** ESC 1400G. Credits: 3

GEG 3415 - The Restless Atmosphere.

(3-0-3) On Demand. This course is designed to provide students with an understanding of the essential processes responsible for determining patterns in our atmospheric system. It will emphasize principal components of the atmosphere from a human perspective. Topics covered will include discussions of climate variability, severe weather, anthropogenic climate change, and atmospheric forecasting. It also stresses the dynamic nature of the atmosphere as it affects humans and their activities. Cross-listed with ESC 3415. Credits: 3

GEG 3420 - Principles of Geomorphology.

(2-2-3) S. Physical and mathematical analysis of processes that modify the earth's surface; structural and climatic controls; hillslope sculpture; weathering; stream dynamics; soil classification. Cross-listed with GEL 3420. WI **Prerequisites & Notes:** GEL/ESC 1300G. Credits: 3

GEG 3500 - Climate, Environment and History Since the last Ice Age.

(3-0-3) F. Since the 1960s historians and geographers have become more concerned with the impact of climate on history and the global environment, with increasing emphasis on the interdisciplinary nature of this study. Students will engage in exploring the last 18,000 years with an integrated historic and geographic methodology, to gain a better understanding of how human societies have adapted to climate-driven changes. Cross-listed with HIS 3500. WI Credits: 3

GEG 3600 - Economic Geography.

(3-0-3) On Demand. Survey of theoretical and empirical approaches to the location of economic activities and of organizational structures. Analysis of spatial patterns of resource, industrial, commercial and service activities. Emphasis on local and regional development, growth and decline, transportation and planning. Credits: 3

GEG 3620 - Geography of Tourism.

(3-0-3) S-odd-numbered years. This course is designed as a spatial analysis of the world's major tourism destination regions including environmental, urban, and cultural attractions. Geographic and economic factors affecting the development of tourism regions are considered. Course may not be repeated. Credits: 3

GEG 3640 - Geography of Sports.

(3-0-3) S. This course is designed as a geographic survey of sports and the impact they have on the contemporary global society. This course will provide an overview of the history and current trends of sports including their origin and diffusion within the United States and around the world. The economic, social, and cultural impact of sports will also be covered. Each student is expected to gain an understanding of how sports have changed over time and how they have shaped our society today. Credits: 3

GEG 3650 - Advanced Cultural Geography.

(3-0-3) F-odd-numbered years. Concerned with understanding the material culture that gives character to a place or area. Emphasis on a study of environmental perception, attitudes and values that influence our personal images of the world. Special focus on reading and interpreting the ordinary landscape of the manmade habitat. Credits: 3

GEG 3700 - Historical Geography of the United States.

(3-0-3) On Demand. Reconstructing past geographical landscapes of the United States to 1900. Emphasis on changing landscape patterns and spatial organization patterns through time, perception of relic landscape features and contemporary preservation of distinctive historic places and areas. Credits: 3

GEG 3750 - Population Geography.

(3-0-3) On Demand. Survey of world distribution of population through time. Examines patterns and consequences of mortality, fertility and migration. Emphasis on theories and models of migration, past and contemporary migration patterns, and information flow and individual movement in geographic space. Credits: 3

GEG 3775 - Urban Geography.

(3-0-3) On Demand. Examines from a geographic perspective the origin, location, function, internal structure, growth and interaction of urban areas in the United States and other regions of the world; considers problems of modern cities and the role of city planning in Western and non-Western contexts. Credits: 3

GEG 3780 - Land Use Planning.

(3-0-3) On Demand. An introduction to land use planning in the United States, focusing on the geographic and institutional dimensions; a survey of the policy and legislative basis for land use controls at the urban, regional, and federal level, including controlled growth, zoning, development agreements, and environmental legislation. Credits: 3

GEG 3800 - Introduction to Cartography.

(1-4-3) S. Instruction and practice in the basic techniques of map making. Emphasis on problems involved in selection of proper source materials for the base and body of the map and methods of mechanical reproduction. Credits: 3

GEG 3810 - Geographic Information Systems I.

(2-2-3) An introduction to geographic information systems (GIS) using ESRI ArcGIS. Students will create, georeference, and edit a spatial geodatabase, query and analyze data and produce informative, functional cartographic output. Supplemental to this course, students may optionally work towards and obtain the ESRI Introduction to ArcGIS 1 Certificate. Course may not be repeated. Credits: 3

GEG 3820 - Remote Sensing I.

(2-2-3) F. An introduction to basic principles and applications of remote sensing. The theory and physical properties of image acquisition, processing and analysis will be demonstrated using examples from a variety of applications. Course may not be repeated. Credits: 3

GEG 3830 - GIS: Building Geodatabases.

(2-2-3) S. This course covers the fundamental concepts of building geographic databases and focuses on the storage, management, and quality control of GIS data. Students will learn how to create Esri Geodatabases, how to migrate existing data to a geodatabase, and how to edit data stored in a geodatabase. GEG 5830 is an equivalent course. Cross-listed with ESC 3830. **Prerequisites & Notes:** GEG 3810 or permission from the instructor. Credits: 3

GEG 3850 - GPS: Mapping the Modern Way.

(2-2-3) S. Introduction to the Global Positioning System, with an emphasis on GPS theory, GPS field applications, GPS data manipulation, and GPS data presentation using computer mapping techniques. Cross-listed with ESC 3850. Credits: 3

GEG 3855 - Computer Mapping.

(2-2-3) F. Methods and techniques for map construction and production using computer processing and graphic displays. **Prerequisites & Notes:** GEG 3800. Credits: 3

GEG 3860 - Geographic Information Systems II.

(2-2-3) Using geographic information systems (GIS) software, students will analyze and solve problems by applying advanced spatial analysis, automation of spatial and attribute data, advanced editing, and advanced options for cartographic display and thematic mapping. Supplemental to this course, students may work towards and obtain the ESRI Introduction to ArcGIS II Certificate. **Prerequisites & Notes:** GEG 3810. Course may not be repeated. Credits: 3

GEG 3865 - Advanced Cartography.

(1-4-3) On Demand. Instruction and practice in the techniques of thematic mapping including design, compilation, construction and photographic reproduction. Introduction to data transformation and computer-assisted reproduction. **Prerequisites & Notes:** GEG 3800. Credits: 3

GEG 3870 - Remote Sensing II.

(2-2-3) S. An advanced study in remote sensing theory and practice including in-depth variations in classification and spatial analysis procedures with applications to the geographical, geological, biological, and social sciences. **Prerequisites & Notes:** GEG 3820. Course may not be repeated. Credits: 3

GEG 3875 - Field Methods.

(1-4-3) Application of geographical field techniques to the analysis of areas. Emphasis on making physical and cultural observations and measurements including map reading, photo interpretation, field sketch mapping, compass traverses, sampling, questionnaire design, interviewing, analysis and reporting. Credits: 3

GEG 3885 - Quantitative Methods in Geography.

(1-4-3) F. Application of basic descriptive and inferential statistics. Emphasis on the understanding of the quantitative method as it is applied in the analysis and classification of geographical data and spatial problems. Credits: 3

GEG 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

GEG 4000 - Seminar.

(3-0-3) On Demand. Reports and discussion of selected topics in geography. **Prerequisites & Notes:** Two courses in geography or permission of the department chairperson. May be taken twice for credit. Credits: 3

GEG 42751 - Internship in Geography I.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Geography minor. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geography major or minor, permission of the Geology/Geography Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEG 42752 - Internship in Geography II.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Geography minor. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geography major or minor, permission of the Geology/Geography Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEG 42753 - Internship in Geography III.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. Note: A maximum of three semester hours may be counted as elective credit in the Geography minor. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geography major or minor, permission of the Geology/Geography Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEG 44001 - Independent Study I.

(Arr.-Arr.-1) F, S. Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. May be repeated once. No more than six hours of Independent Study credit. Credits: 1

GEG 44002 - Independent Study II.

(Arr.-Arr.-1) F, S. Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. May be repeated once. No more than six hours of Independent Study credit. Credits: 2

GEG 44003 - Independent Study III.

(Arr.-Arr.-3) F, S. Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. May be repeated once. No more than six hours of Independent Study credit. Credits: 3

GEG 44301 - Undergraduate Research in Geography I.

(Arr.-Arr.-1) On Demand. Field, laboratory, or theoretical research faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geography major or minor, permission of the instructor and department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 1

GEG 44302 - Undergraduate Research in Geography II.

(Arr.-Arr.-2) On Demand. Field, laboratory, or theoretical research faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geography major or minor, permission of the instructor and department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 2

GEG 44303 - Undergraduate Research in Geography III.

(Arr.-Arr.-3) On Demand. Field, laboratory, or theoretical research faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geography major or minor, permission of the instructor and department chair. May be repeated once. No more than six hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 3

GEG 44441 - Honors Independent Study I.

(Arr.-Arr.-1) Intensive individual study on a topic selected by the student with approval of the instructor. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1

GEG 4442 - Honors Independent Study II.

(Arr.-Arr.-2) Intensive individual study on a topic selected by the student with approval of the instructor. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 2

GEG 4443 - Honors Independent Study III.

(Arr.-Arr.-3) Intensive individual study on a topic selected by the student with approval of the instructor. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 3

GEG 4555 - Honors Research.

(Arr.-Arr.-1-6) Original research in geography on a topic studied by the student while enrolled in GEG 44441 or 44442 or 44443. A written report and oral presentation are required. May be repeated once. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEG 4644 - Honors Thesis.

(Arr.-Arr.-1-6) Written thesis based on original research performed while enrolled in GEG 4555. An oral presentation is required. May be repeated once. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEG 4666 - Honors Seminar.

(Arr.-Arr.-3) Reports, discussion and/or laboratory/field work on selected topics in geography. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geography Majors and permission of the Departmental Honors Coordinator and Departmental Chairperson. Credits: 3

GEOLOGY (GEL)**GEL 1300G - Introduction to Earth Sciences.**

(3-2-4) An introduction to earth processes, resources, rocks, minerals, maps, time, and plate tectonics. The interaction of natural processes in the physical environment and human activity will be discussed. Cross-listed with ESC 1300G. Lab work and field trip are required. P1 907L **Prerequisites & Notes:** Grade and credit hours for this course will be removed if student already has credit for or is registered in ESC/GEL 1320G. Credits: 4

GEL 1320G - Geology of National Parks.

(3-2-4) F, S. Explore the interesting features and sweeping landscapes that make the National Park system the pride of America. From a scientific perspective, students will become familiar with the geologic phenomena existing in the National Parks and gain a better appreciation of their creation and importance. Learning about these natural wonders will be facilitated by lecture, videos, virtual field trips, lab work and a field trip. Cross listed with ESC 1320G. **Prerequisites & Notes:** Grade and credit hours for this course will be removed if student already has credit for or is registered in ESC/GEL 1300G. Credits: 4

GEL 1390G - Introduction to Earth Sciences, Honors.

(3-2-4) On Demand. Study of the planet Earth as a system consisting of the lithosphere, hydrosphere, and atmosphere. Emphasis on how processes occurring within the solid, liquid, and gaseous portions of the Earth system act to influence its surface. Field trips and short papers will stress scientific communication skills. Cross-listed with ESC 1390G. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 4

GEL 1430 - Historical Geology.

(3-2-4) S. Development of major structural segments of Earth's crust; fossil record of life; age relations among rock units. Field work. **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G. Credits: 4

GEL 2100 - Geology of Energy Resources.

(3-0-3) S. This course is designed to explore the science behind the energy resources – how the deposits form geologically, how geologists explore the earth to discover where the deposits are located and what techniques and technology are required to extract and process the resources as well as the remediation techniques necessary to restore the landscape after extraction has ceased. **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G or equivalent; may not be taken concurrently. Credits: 3

GEL 2300G - Science and Technology: A Promise or a Threat?

(3-0-3) The course will discuss the methods and development of scientific discoveries, their technological applications, and the impact of these activities on cultural, social, political, economic, and religious values. The influence of society on scientific research and technological development will be studied as well. Cross-listed with AET 2300G. WI Credits: 3

GEL 2440 - Mineralogy.

(3-2-4) F. A study of minerals with emphasis on crystallography, chemistry, classification, identification, genesis, and association. **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G; and CHM 1310G and 1315G or concurrent enrollment. Credits: 4

GEL 2450G - Oceanography.

(3-0-3) Integrated, descriptive study of the World Ocean, including the physics, chemistry, biology, and geology of the marine environment and the interrelationship between the World Ocean and human activities. Cross-listed with ESC 2450G. Credits: 3

GEL 3010G - Environmental Physical Sciences.

(3-0-3) A study of physical environmental Earth processes and their interrelationship with human activities. This will include both the impact of the Earth on human communities and the impact of human communities on the Earth. Cross-Listed with ESC 3010G. Credits: 3

GEL 3085 - Vertebrate Paleoenvironments and Paleocology.

(3-0-3) S. This course will investigate principles of vertebrate paleontology, paleoenvironmental and paleoecological reconstructions and analyses. The focus will be on the fossil record of vertebrate organisms from their origins through the Pleistocene. **Prerequisites & Notes:** GEL 1430 or permission of the instructor; may not be taken concurrently. Restriction: Sophomore, Junior, or Senior status. Credits: 3

GEL 3115 - Introduction to Paleoclimate.

(3-2-4) F. An introduction to basic principles and applications of paleoclimatology. A review of processes and archives of climate data will be investigated using examples from Earth history. **Prerequisites & Notes:** GEL 1430 or permission of the instructor; may not be taken concurrently. Credits: 4

GEL 3405 - Petrology.

(3-2-4) S. A study of the physical, chemical, spatial, and chronological properties and processes that reflect the origin, evolution, and occurrence of igneous and metamorphic rocks. Laboratory work emphasizes the petrographic microscope and its applications. Field work required. **Prerequisites & Notes:** GEL 2440. Credits: 4

GEL 3420 - Principles of Geomorphology.

(2-2-3) S. Physical and mathematical analysis of processes that modify the earth's surface; structural and climatic controls; hillslope sculpture; weathering; stream dynamics; soil classification. Cross-listed with GEG 3420. WI **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G. Credits: 3

GEL 3425 - Engineering Geology.

(2-2-3) F-even-numbered years. Introduction to procedures used for site selection and design of engineering structures in the Earth. Introductory soil and rock mechanics and their use in analysis of structures will be emphasized. **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G or ESC/GEL 1390G or permission of instructor; PHY 1151G and PHY 1152G or PHY 1351G and PHY 1352G. Credits: 3

GEL 3430 - Structural Geology.

(2-2-3) F. Forces involved in the deformation of rocks with emphasis on the recognition and interpretation of the resultant geologic structures. Field work. **Prerequisites & Notes:** GEL 1430, 3405 and MAT 1330 or equivalent or permission of instructor. Credits: 3

GEL 3440 - Tectonics.

(3-0-3) S-odd-numbered years. This course will evaluate the plate tectonic paradigm in terms of its historical evolution and modern application to understanding earth processes. Focus will be placed on defining the geometric, kinematic, and dynamic framework of the three types of plate boundaries, existing problems with rigid plate theory, and the evidence for the plate tectonic approximation. Field work is required. **Prerequisites & Notes:** GEL 3430 or permission of the instructor. Credits: 3

GEL 3460 - Economic Mineral Deposits.

(2-2-3) On Demand. Origin, geologic occurrence and utilization of metallic and non-metallic mineral deposits. Field work. **Prerequisites & Notes:** Prior or concurrent enrollment in GEL 3405. Credits: 3

GEL 3470 - Seminar.

(Arr.-Arr.-1-3) F, S. Discussions, reports, and field/laboratory work concerning selected geoscience topics, with instructor guidance. May be taken more than twice for credit if a different topic is covered each time. Credits: 1 to 3

GEL 3500 - Volcanology.

(2-2-3) On Demand. A study of volcanic features and eruptions. The relationship of eruptive products, styles, and mechanisms to volcanic features and hazards is emphasized. **Prerequisites & Notes:** GEL 3405 or concurrent enrollment. Credits: 3

GEL 3510 - Principles of Sedimentation.

(2-2-3) F. Sources of sediments, mechanics of transportation, depositional controls, post-depositional changes; physical and chemical properties of sedimentary rocks, classifications; analytical laboratory techniques. Field work. **Prerequisites & Notes:** GEL 1430 and 3405. Credits: 3

GEL 3525 - Hydrogeology.

(2-2-3) On Demand. The study of the inter-relationships of geological materials and processes with water. **Prerequisites & Notes:** GEL/GEG 3420. Credits: 3

GEL 3560 - Principles of Stratigraphy.

(2-2-3) S. Development and use of stratigraphic column, sedimentary facies, space-time relationships, principles or correlation, tectonic framework of sedimentation, analysis of clastic, organic, chemical sedimentary sequences. Field work. **Prerequisites & Notes:** GEL 3510. Credits: 3

GEL 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

GEL 4200 - Introduction to Geophysical Exploration.

(3-0-3) On Demand. Introduction to the theories of gravity, magnetics, heat flow, and reflection and refraction seismology; application of these geophysical methods in the interpretation of earth structure and composition, with emphasis on exploration for economic materials and on tectonic activity. **Prerequisites & Notes:** GEL 3430 and PHY 1161, 1162 or PHY 1361, 1362. Credits: 3

GEL 42751 - Internship in Geology I.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geology major or minor, permission of

the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEL 42752 - Internship in Geology II.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geology major or minor, permission of the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEL 42753 - Internship in Geology III.

(Arr.-Arr.-1-6) On Demand. (Credit/No Credit) An individually planned work experience in a business or agency appropriate to the student's area of specialization. **Prerequisites & Notes:** Completion of at least 9 hours of course work toward Geology major or minor, permission of the Geology/Geography Department Chair, the Internship Coordinator, and acceptance of the student by a business or agency. May be repeated once. No more than 12 hours of Internship credit. Credits: 1 to 6

GEL 44001 - Independent Study I.

(Arr.-Arr.1) Independent study in the field of geology, designed for the individual needs of the student. **Prerequisites & Notes:** GEL 1430 or permission of the instructor and department chair. May be repeated once. No more than six semester hours of Independent Study credit. Credits: 1

GEL 44002 - Independent Study II.

(Arr.-Arr.2) Independent study in the field of geology, designed for the individual needs of the student. **Prerequisites & Notes:** GEL 1430 or permission of the instructor and department chair. May be repeated once. No more than six semester hours of Independent Study credit. Credits: 2

GEL 44003 - Independent Study III.

(Arr.-Arr.3) Independent study in the field of geology, designed for the individual needs of the student. **Prerequisites & Notes:** GEL 1430 or permission of the instructor and department chair. May be repeated once. No more than six semester hours of Independent Study credit. Credits: 3

GEL 44301 - Undergraduate Research in Geology I.

(Arr.-Arr.-1) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geology major or minor, permission of instructor and department chair. May be repeated once. No more than six semester hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 1

GEL 44302 - Undergraduate Research in Geology II.

(Arr.-Arr.-2) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geology major or minor, permission of instructor and department chair. May be repeated once. No more than six semester hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 2

GEL 44303 - Undergraduate Research in Geology III.

(Arr.-Arr.-3) On Demand. Field, laboratory, or theoretical research. Faculty supervised. A written report of an oral presentation is required. **Prerequisites & Notes:** Completion of 15 semester hours toward the Geology major or minor, permission of instructor and department chair. May be repeated once. No more than six semester hours of Undergraduate Research credit in combined department undergraduate research courses (Geology, Earth Science, Geography). Credits: 3

GEL 44441 - Honors Independent Study I.

(Arr.-Arr.-1) Independent Study in geosciences, designed for the individual needs of the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1

GEL 44442 - Honors Independent Study II.

(Arr.-Arr.-2) Independent Study in geosciences, designed for the individual needs of the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 2

GEL 44443 - Honors Independent Study III.

(Arr.-Arr.-3) Independent Study in geosciences, designed for the individual needs of the student. May be repeated once. No more than six hours of Independent Study credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 3

GEL 4450 - Well Log Interpretation.

(2-2-3) On Demand. Fundamental principles of open hole log in investigating subsurface geology are discussed with emphasis on petroleum exploration. This is essentially an applied course with stress on how to take data from well logs, calculate and analyze these data. **Prerequisites & Notes:** GEL 3510. Credits: 3

GEL 4480 - Optical Mineralogy.

(3-2-4) On Demand. Use of the polarizing microscope for determination of optical properties of minerals; identification of minerals in thin section. **Prerequisites & Notes:** Prior or concurrent enrollment in GEL 3405. Credits: 4

GEL 4490 - Invertebrate Paleontology.

(2-2-3) F. Description and classification of major fossil invertebrate groups; preservation of fossils; use of fossils in geologic work. Field work. **Prerequisites & Notes:** GEL 1430; BIO 1001G. Credits: 3

GEL 4555 - Honors Research.

(Arr.-Arr.-1-6) Research in the geosciences undertaken with close supervision of a geoscience faculty member. Written report required. At least one semester hour is required of students in the Departmental Honors Program. A maximum of five additional semester hours credit may be applied to the Departmental Honors Program and/or the major in geology. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors, and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEL 4644 - Honors Thesis.

(Arr.-Arr.-1-6) Written thesis based upon a survey of the geological literature and student's original research performed under the close supervision of a geoscience faculty member. At least one semester hour is required of students in the Departmental Honors Program. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors, and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEL 46661 - Honors Seminar I.

(Arr.-Arr.-1 to 6) Discussions, reports, and field/laboratory work concerning selected geoscience topics, with instructor guidance. May be repeated once if a different topic is pursued. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEL 46662 - Honors Seminar II.

(Arr.-Arr.-1 to 6) Discussions, reports, and field/laboratory work concerning selected geoscience topics, with instructor guidance. May be repeated once if a different topic is pursued. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEL 46663 - Honors Seminar III.

(Arr.-Arr.-1 to 6) Discussions, reports, and field/laboratory work concerning selected geoscience topics, with instructor guidance. May be repeated once if a different topic is pursued. **Prerequisites & Notes:** Admission to the Departmental Honors Program for Geology Majors and permission of the Departmental Honors Coordinator and Department Chairperson. Credits: 1 to 6

GEL 4800 - Summer Field Geology in the Black Hills, S.D.

(Arr.-Arr.-6) Su. Individual and group problem-solving by application of field methods and techniques, including plane table and total station mapping and air photo interpretation. Six weeks of field study required. Contact Director of Summer Field Geology concerning fees and registration. This course is complementary to nearly all of the department's geology courses. This requirement must be met in the EIU Geology Field Station in the Black Hills of South Dakota. In cases of students' health limitations, with the approval of the department chair, an alternative program will be provided. **Prerequisites & Notes:** GEL 1430, 3405, and 3430. GEL 3510, 3560 and 4490 recommended. In special cases, permission of chairperson and field camp director is required. Graduate students will complete an additional field research project that has been approved by the field camp director. This project must be successfully completed by the end of the course. Credits: 6

GEL 4850 (4335) - Environmental Geology.

(3-0-3) Study of natural and engineered interactions of contaminants and the geologic environment. Topics include types and analysis of common contaminants, surface and groundwater quality, risk analysis, U.S. environmental law, industrial and municipal waste disposal, and remediation techniques. **Prerequisites & Notes:** ESC/GEL 1300G or ESC/GEL 1320G or ESC/GEL 1390G; CHM 1410; MAT 1330 (or MAT 1400), or permission of the instructor. Credits: 3

GEL 4892 - Introduction to Paleobotany.

(3-2-4) On Demand. Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. **Prerequisites & Notes:** BIO 1200G or permission of instructor. Credit not granted for both GEL 4892 and BIO 4892. Credits: 4

HEALTH STUDIES (HST)

HST 1120 - Basic CPR.

(1-0-1) F, S. Credit toward graduation not granted to students who have completed HST 2320 or 3120. Credits: 1

HST 2000 - Principles of Human Health.

(3-0-3) A study of health issues and trends, focusing on the interrelatedness of the forces which contribute to human well-being and the development of the capacity to make informed, responsible decisions affecting individual and environmental welfare. Credits: 3

HST 2200G - Health Citizenship.

(3-0-3) F, S. This course will examine the concept of health citizenship in contemporary society and global context. Special attention will be given to the health-related entitlements and responsibilities inherent in citizenship and the examination of individual and social roles in contemporary health issues affecting the global society. Health Studies majors may enroll. WI Credits: 3

HST 2250 - Professions in School and Community Health.

(1-1-1) F, S. An introductory professional course describing the current school/community health field and assessing the current trends within the disciplines. Enrollment limited to Health Studies majors and minors and those considering the Health Studies degrees. Credits: 1

HST 2270 - Community Health.

(3-0-3) F, S. An examination of the factors in the physical, biological, and social environment that influence the magnitude and character of health problems, goals and solutions. Credits: 3

HST 2320 - First Aid and Emergency Care (including Basic CPR Skills).

(3-0-3) Designed to provide opportunities to learn and practice basic first aid skills necessary to handle most home and job emergencies including CPR. Credits: 3

HST 2600 - International Health Issues.

(3-0-3) F, S. This course is designed to help students develop an understanding of current health problems and issues in the world community particularly as seen in third world non-Western developing nations. Specific health issues will be examined with consideration given to their influence on American society. Health issues will be examined in the context of the culture and health values of the local populations. Credits: 3

HST 2700 - Marketing Concepts for Health Promotion Professionals.

(2-2-3) F, S. This course will familiarize students with marketing concepts for health promotion professionals, including various software and hardware applications available to and typically used by health promotional professionals. **Prerequisites & Notes:** HST 2250 or concurrent enrollment. Course may not be repeated. Credits: 3

HST 2800 - Health Education Research Methods I.

(3-0-3) F, S. Introduction to research methods/statistical analyses utilized by Public and School Health professionals. Content includes an introduction to qualitative and quantitative methods, data collection techniques, descriptive statistics, AMA citation style & manuscript preparation guidelines, and development of a literature review. **Prerequisites & Notes:** HST 2000 and HST 2270. Course may not be repeated. Credits: 3

HST 2900 - Human Diseases.

(3-0-3) F, S. A study of the occurrence and process of human infectious and chronic diseases. **Prerequisites & Notes:** HST 2000 or permission of instructor. Credits: 3

HST 3000 - Health Concepts for Teachers.

(2-0-2) This course is designed to assist students in teacher preparation (P12) in developing knowledge and competencies necessary in attaining a complete understanding of the comprehensive school health model (instruction, services, and environment). Not open to Health Studies majors and minors except with permission of the Health Studies department chair. Credits: 2

HST 3100 - Disasters and Public Health: Planning and Response.

(3-1-3) S. Disasters and Public Health. This course addresses the special needs of Community and Public Health professionals in response to incidents that have been caused by natural or manmade disasters. Subjects covered include preparedness and response to disasters threats, hazard mitigation, home/workplace preparedness, community preparedness, and protection for disaster workers. Students completing the course requirements will become certified as a member of the Community Emergency Response Team (CERT). Credits: 3

HST 3120 - American Red Cross Instructor.

(3-Arr.-4) F, S. Certification through the American Red Cross (ARC) in Instructor Candidate Training (ICT), and as a Community First Aid and Safety Instructor which prepares individuals to teach Community First Aid and Safety, Standard First Aid, Community CPR, Adult CPR, and Infant and Child CPR. Credits: 4

HST 3196 - Public Health Statistics and Data Analysis.

(3-0-3) F, S. A review of mathematical principles and elementary statistics as related to an analysis of public health statistics. **Prerequisites & Notes:** HST 2270 or permission of instructor. Credits: 3

HST 3199 - Microcomputers and Health Applications.

(1-3-3) F, S. The study and practical utilization of various types of computer hardware and software employed by health professionals. No programming/keyboarding prerequisite. **Prerequisites & Notes:** HST 2250 or approval of instructor. Credit will not be given for both HST 3199 and KSS 3900. Credits: 3

HST 3200 - School Health.

(3-0-3) F, S. A survey of the school health program with emphasis on the responsibilities of school personnel. **Prerequisites & Notes:** HST 2000 or equivalent. Credits: 3

HST 3300 - Principles of Accident Prevention.

(2-0-2) F, S. Safety problems of modern life in the home, school, during recreation, on the highway, and at work. Credits: 2

HST 3310 - Driver Task Analysis.

(3-1-3) A foundation course in Driver Education teacher preparation that pertains to the highway transportation system, traffic problems, the driving task, perception and implementation of the driver education program. Behind the wheel laboratory experience is included. Course restricted to Teacher Education Majors. **Prerequisites & Notes:** A valid driver's license with a good driving record. Credits: 3

HST 3320 - Introduction to Classroom Methods in Driver Education.

(3-0-3) A foundation course in Driver Education teacher preparation that explores and develops classroom content, skills, and methodologies for driver education teachers. Current rules and regulations governing driver education administration, organization, and evaluation are included. Course restricted to Teacher Education Majors. **Prerequisites & Notes:** Credit for or concurrent enrollment in HST 3310. Credits: 3

HST 3330 - Advanced Driving Maneuvers.

(1-2-2) F. Designed to teach emergency procedures and evasive actions and to help students better understand their capabilities and limitations as drivers, and the capabilities and limitations of the vehicles they drive. **Prerequisites & Notes:** HST 3310 or permission of the instructor. Credits: 2

HST 3340 - Accident Prevention in Schools.

(2-0-2) F. Scope of the school safety problem. Administrative, instructional and community responsibility for safe schools. Credits: 2

HST 3350 - Industrial Safety.

(2-0-2) F, S. Trends and organizational techniques in accident prevention programs as related to industrial operations. Credits: 2

HST 3360 - Classroom and Behind-the-Wheel Teaching Methods for Driver Education.

(3-2-4) This course is designed to provide the prospective driver education teacher with the knowledge and skills necessary to successfully conduct classroom and behind-the-wheel instruction, provide a safe learning environment while doing so and evaluate new driver performance. Learning activities will focus on preparing the prospective driver educator to conduct activities which develop vehicle operational skills for a novice driver. Course restricted to Teacher Education Majors. **Prerequisites & Notes:** Valid driving license; good-driving record, HST 3310 and HST 3320 or concurrent enrollment with HST 3360 with the permission of the chair. Credits: 4

HST 3400 - Methods of Teaching/Curriculum Development in Health.

(3-0-3) F, S. Teacher preparation in curriculum development, appraising materials, methods of presentation; includes 30 clock hours of clinical experience. **Prerequisites & Notes:** EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

HST 3500 - Human Sexuality.

(3-0-3) A study of the biological, psychological, and cultural dimensions of human sexuality. Credits: 3

HST 3560 - Women's Health.

(3-0-3) F, S. An examination of the biological and psychosocial dimensions of women's health; the relationship between women and the health care system, and the impact of cultural stereotyping on women's physical and emotional health. **Prerequisites & Notes:** ENG 1002G or permission of the instructor. Credits: 3

HST 3700 - Community Health Behavior Methods.

(3-0-3) F, S. Examination, discussion and application of the most commonly used health behavior theories in both individual and community-level contexts. WI **Prerequisites & Notes:** ENG 1002 and HST 2270; may NOT be taken concurrently. Credits: 3

HST 3750 - Health Care Delivery Systems.

(3-0-3) F, S. Review of contemporary approaches to the delivery of health care services in the United States. **Prerequisites & Notes:** ENG 1002G and HST 2270. Credits: 3

HST 3765 - Principles of Epidemiology.

(3-0-3) F, S. Introduction to the concepts, principles, and methods generally useful in the surveillance and investigation of a health problem. **Prerequisites & Notes:** HST 2270 or permission of the instructor. Credits: 3

HST 3800 - Health Education Research Methods II.

(3-0-3) F, S. An intermediate level examination of research methods and statistical analyses utilized by Public and School Health Education professionals. Content includes intermediate level qualitative and quantitative research design, data collection, statistical computation, and data analysis. WI **Prerequisites & Notes:** HST 2800. Course may not be repeated. Credits: 3

HST 3910 - Communication in Health Professions.

(3-0-3) F. A study of the role communication plays in the health professions including an examination of the health professions and the application of speaking, listening, interpersonal, small group, organizational, and mass communication skills and concepts to health careers. Cross-listed with CMN 3910. Credits: 3

HST 4250 - Planning Health Programs.

(3-0-3) F, S. This course is designed to provide the student with the elements of successful program planning. The student will learn the steps in developing, administering, and evaluating programs in health education and promotion. WI **Prerequisites & Notes:** ENG 1002, HST 2270, and HST 3700. Credits: 3

HST 4770 - Health Services Administration.

(3-0-3) F, S. Examination of the health service sector, applications of administrative and management concepts, including social administration, biomedical and business ethics, and management theory. WI **Prerequisites & Notes:** ENG 1002, HST 2250, 2270, 3700, and 75 hours completed, or permission of the instructor. Credits: 3

HST 4800 - Drugs and Society.

(3-0-3) F, S. A study of drugs and drug use from an historical, biological and social perspective with emphasis on the physiological and pharmacological action of drugs in the body. Credits: 3

HST 4810 - Community Resources and Chemical Dependency.

(2-0-2) F. This course is designed to familiarize the student with self-help groups, intervention programs, and various community resources available to deal with the problem of chemical dependency. **Prerequisites & Notes:** HST 4800. Credits: 2

HST 4820 - DUI: Legal Issues.

(2-0-2) S. This course will familiarize the student with the state DUI laws, policies and procedures in reference to DUI; remedial education classes; evaluation and assessment of clients; and administration and scoring of tests used in DUI processes. **Prerequisites & Notes:** HST 4800. Credits: 2

HST 4890 - Health and Aging.

(3-0-3) F, S. This course is designed to examine common health changes, issues and concerns as they pertain to the aging individual. Credits: 3

HST 4900 - Multi-Phase Driver Education.

(2-2-3) S. The five-phase driver education curriculum. Actual practice with multi-media equipment-simulators, student response systems and the multi-car range. **Prerequisites & Notes:** HST 3310 or concurrent enrollment or permission of the instructor. Credits: 3

HST 4910 - Applied Health Communication.

(3-0-3) S. An examination of applied health communication in the interpersonal, organizational, and mediated contexts. Emphasis is on higher order application of skills from different occupational perspectives. Cross-listed with CMN 4910. Credits: 3

HST 42751-42759 - Internship.

(Arr. 1-9) (Credit/No Credit) An individually planned internship in a community health agency or organization. **Prerequisites & Notes:** HST 2270, 3700 or 3400 and approval of the department chair. May be repeated once; the maximum credit which may be earned is twelve semester hours. Credits: 1 to 9

HST 47411 - Independent Study.

(Arr.-Arr.-1-3) F, S. An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topics in Health Studies. **Prerequisites & Notes:** Permission of the chair of the department. Note: May be repeated once; the maximum amount of credit which may be earned is six semester hours. Credits: 1 to 3

HST 47412 - Independent Study.

(Arr.-Arr.-1-3) F, S. An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topics in Health Studies. **Prerequisites & Notes:** Permission of the chair of the department. Note: May be repeated once; the maximum amount of credit which may be earned is six semester hours. Credits: 1 to 3

HST 47413 - Independent Study.

(Arr.-Arr.-1-3) F, S. An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topics in Health Studies. **Prerequisites & Notes:** Permission of the chair of the department. Note: May be repeated once; the maximum amount of credit which may be earned is six semester hours. Credits: 1 to 3

HISTORY (HIS)

HIS 1500G - Roots of the Modern World: Society and Religion.

(3-0-3) Ancient Religion and Society: This course will explore the historical origins of the world's great religions including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. We will study the "founders" of each faith and the central beliefs of each group, and analyze the conflicts (spiritual, social and political), that promoted changes of beliefs and practices over time. HIS 1500G is a general education course open to all EIU students. The electronically delivered version of HIS 1500G was created to satisfy the general education requirement in Humanities and Fine Arts for students enrolled in on-line delivery only. Students enrolled at EIU's Charleston campus may not take the electronically-delivered version of this course. H2 900; H5 904N WI Credits: 3

HIS 1521G (1520G) - World History: Human Rights in History.

(3-0-3) F, S. This course examines how since the sixteenth century human rights have become a dominant but widely contested set of principles in international politics and global culture. The course will explore the philosophical origins and historical consequences of human rights in Europe and the Atlantic World, Africa, and Asia. The course is for non-history majors. History majors and Social Science majors are excluded from the course; on-campus students are excluded from on-line versions of the course. Equivalent course: HIS 1597G. Credits: 3

HIS 1522G (1510G) - World History: Slavery and Freedom.

(3-0-3) F, S. Between 1520 and 1870, some 11 million Africans were transported to the Americas, largely on European ships, to serve as slaves. What is slavery? How did this horrible "human traffic" occur? And what was the experience of life on a slave plantation? This course will look at practices of slavery from across the globe. This course is for non-history majors. History majors and Social Science majors are excluded from this course; on-campus students are excluded from on-line versions of the course. Equivalent Courses: HIS 1598G. Credits: 3

HIS 1523G (1520G) - World History: From Monarchies to Mass Democracies.

(3-0-3) F, S. The course will study the transition from monarchies to mass democracies since the 18th century. It will discuss the role of the Enlightenment in building the idea of mass democracies, the Latin American and European revolutions, the rise of totalitarianism in Europe and Asia, and de-colonization in Asia and Africa. This course is for non-history majors. History majors and Social Science majors are excluded from the course; on-campus students are excluded from on-line versions of the course. Equivalent course: HIS 1593G. Credits: 3

HIS 1524G (1520G) - World History: The Age of Sail.

(3-0-3) F, S. Between the 14th and 19th centuries, global history was marked by the use of sailing ships for war, trade, exploration, and piracy. This course examines how seas acted as bridges and barriers between civilizations. It focuses on the motivations and experiences of common individuals from across the globe who traveled long distances and periods and seeks in these global lives the roots of the modern world. This course is for non-history majors. History majors and Social Science majors are excluded from this course; on-campus students are excluded from on-line versions of the course. Equivalent course: HIS 1594G. Credits: 3

HIS 1525G (1520G) - World History: Empires in Global History.

(3-0-3) F, S. This course examines the history of empires that shaped and influenced global politics, economy, and culture. How did the empires such as the Mongol, Ottoman, Spanish, British, Russian, Japanese, and American Empires rise and fall? Students will consider the legacies of these empires in today's global interactions. This course is for non-history majors. History majors and Social Science majors are excluded from the course; on-campus students are excluded from on-line versions of the course. Equivalent Course: HIS 1595G. Credits: 3

HIS 1526G (1520G) - World History: The Twentieth-Century World.

(3-0-3) F, S. This course focuses on peoples and events from the Great War to the Cold War's end that continue to affect our world today, such as colonialism, the Great Depression, the world wars, the Holocaust, liberation movements and terrorism, technology, the environment,

and civil rights. People discussed will include Gandhi, Mao Zedong, Lenin, the Dalai Lama, Nelson Mandela, Hitler, and Stalin. This course is for non-history majors. History majors and Social Science majors are excluded from the course; on-campus students are excluded from on-line versions of the course. Equivalent Course: HIS 1596G. Credits: 3

HIS 1590G - Roots of the Modern World: Society and Religion, Honors.

(3-0-3) F, S. This course will explore the historical origins of the world's great religions including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. We will study the lives of the "founders" of each faith, learn the central beliefs of each group, and analyze the conflicts (spiritual and political) that promoted changes of belief and practice over time. WI **Prerequisites & Notes:** Students cannot receive honors credit for both HIS 1590G and RLS 1290G. Credits: 3

HIS 1593G (1592G) - World History: From Monarchies to Mass Democracies, Honors.

(3-0-3) F, S. The course will study the transition from monarchies to mass democracies since the 18th century. It will discuss the role of the Enlightenment in building the idea of mass democracies, the Latin American and European revolutions, the rise of totalitarianism in Europe and Asia, and de-colonization in Asia and Africa. This course is for non-history majors. History majors and Social Science majors are excluded from this course. Equivalent course: HIS 1523G. WI Credits: 3

HIS 1594G (1592G) - World History: The Age of Sail, Honors.

(3-0-3) F, S. Between the 14th and 19th centuries, global history was marked by the use of sailing ships for war, trade, exploration, and piracy. This course examines how seas acted as bridges and barriers between civilizations. It focuses on the motivations and experiences of common individuals from across the globe who traveled long distances and periods and seeks in these global lives the roots of the modern world. This course is for non-history majors. History majors and Social Science majors are excluded from the courses. Equivalent Course: HIS 1524G. WI Credits: 3

HIS 1595G (1592G) - World History: Empires in Global History, Honors.

(3-0-3) F, S. This course examines the history of empires that shaped and influenced global politics, economy, and culture. How did the empires such as the Mongol, Ottoman, Spanish, British, Russian, Japanese, and American Empires rise and fall? Students will consider the legacies of these empires in today's global interactions. This course is for non-history majors. History majors and Social Science majors are excluded from the course. Equivalent Course: HIS 1525G. WI Credits: 3

HIS 1596G (1592G) - World History: The Twentieth-Century World, Honors.

(3-0-3) F, S. This course focuses on peoples and events from the Great War to the Cold War's end that continue to affect our world today, such as colonialism, the Great Depression, the world wars, the Holocaust, liberation movements and terrorism, technology, the environment, and civil rights. People discussed will include Gandhi, Mao Zedong, Lenin, the Dalai Lama, Nelson Mandela, Hitler, and Stalin. This course is for non-history majors. History majors and Social Science majors are excluded from the course. Equivalent Course: HIS 1526G. WI Credits: 3

HIS 1597G (1592G) - World History: Human Rights in History, Honors.

(3-0-3) F, S. This course examines how since the sixteenth century human rights have become a dominant but widely contested set of principles in international politics and global culture. The course will explore the philosophical origins and historical consequences of human rights in Europe and the Atlantic World, Africa, and Asia. This course is for non-history majors. History majors and Social Science majors are excluded from the course. Equivalent Courses: HIS 1521G. WI Credits: 3

HIS 1598G (1591G) - World History: Slavery and Freedom, Honors.

F, S. (3-0-3) Between 1520 and 1870, some 11 million Africans were transported to the Americas, largely on European ships, to serve as slaves. What is slavery? How did this horrible "human traffic" occur? And what was the experience of life on a slave plantation? This course will look at practices of slavery from across the globe. The course is for non-history majors. History majors and Social Science majors are excluded from the courses. Equivalent Courses: HIS 1522G. WI Credits: 3

HIS 2010G - History of the United States to 1877.

(3-0-3) The colonial period; the independence movement; framing and adoption of the Constitution; growth of American nationality; Manifest Destiny; the Civil War and Reconstruction. HIS 2010G is a general education course open to all EIU students. The electronically delivered version of HIS 2010G was created to satisfy the general education requirement in Humanities and Fine Arts for students enrolled in on-line delivery only. Students enrolled at EIU's Charleston campus cannot take the electronically-delivered version of this course. S2 900; HST 911 WI Credits: 3

HIS 2020G - History of the United States Since 1877.

(3-0-3) The new industrial society; agrarian movement; the United States as a world power through two world wars, The Great Depression and after. HIS 2020G is a general education course open to all EIU students. The electronically delivered version of HIS 2020G was created to satisfy the general education requirement in Humanities and Fine Arts for students enrolled in on-line delivery only. Students enrolled at EIU's Charleston campus cannot take the electronically-delivered version of this course. S2 901; HST 912 WI Credits: 3

HIS 2090G - History of the United States to 1877, Honors.

(3-0-3) On Demand. The colonial period; the independence movement; framing and adoption of the Constitution; growth of American nationality; Manifest Destiny; the Civil War and Reconstruction. S2 900 WI **Prerequisites & Notes:** Admission to the Honors College. Credits: 3

HIS 2091G - History of the United States Since 1877, Honors.

(3-0-3) On Demand. The new industrial society; agrarian movement; the United States as a world power through two world wars, depression and after. S2 901 WI **Prerequisites & Notes:** Admission to the Honors College. Credits: 3

HIS 2500 - Historical Research and Writing.

(1-4-3) F, S. Introduction to historical writing and research, emphasizing documentation conventions and source analysis. WI Credits: 3

HIS 2560 - Early Modern World History.

(3-0-3) F, S, Su. A survey of world history from the fourteenth through the eighteenth centuries. WI Credits: 3

HIS 3040 - Studies in the Social History of the United States.

(3-0-3) On Demand. Survey of social changes which have affected American culture. Course topics may vary according to the instructor. May be taken only once for credit. WI, US Credits: 3

HIS 3100 - History of England, 1066-1688.

(3-0-3) F. A survey of the History of England and the British Isles from the Norman conquest to the Glorious Revolution. WI, NUS Credits: 3

HIS 3110 - Britain 1688 to the Present.

(3-0-3) S. A survey of the History of England and the British Empire from the Glorious Revolution to the present. WI, NUS Credits: 3

HIS 3120 - Ancient Egypt.

(3-0-3) On Demand. The course surveys the history, culture, literature, and institutions of ancient Egypt, beginning with the Predynastic period and finishing with the coming of the Romans. WI, NUS Credits: 3

HIS 3130 - Iraq and the Ancient Near East.

(3-0-3) On Demand. The course surveys the history, culture, literature, and institutions of pre-Islamic Iraq and neighboring regions of the Middle East, from the early Sumerian period to the conquest of the Persian Empire by Alexander the Great. WI, NUS Credits: 3

HIS 3140 - Ancient Greece.

(3-0-3) F. The course surveys the history, culture, literature, and institutions of Ancient Greece, beginning with the Mycenaean period and finishing with the coming of the Romans. The course will investigate the major political, cultural, and economic changes in the Greek world. WI, NUS Credits: 3

HIS 3150 - The Roman World.

(3-0-3) On Demand. The course will explore the history of the Romans from the eighth century BCE to the end of the fifth century CE, with a focus on Roman literature, art history, religion, and daily life. It will investigate Roman cultural, military, and political interactions with other groups, first in Italy and eventually across the Mediterranean basin. WI, NUS Credits: 3

HIS 3175 - History of Christianity.

(3-0-3) F or S. As needed. Survey course on origins and development of Christianity from Old and New Testament times to current churches and movements: Protestant, Catholic, and Orthodox traditions, early communities, Middle Ages, Islam, Reformation, anti-Semitism, multicultural Christianity, American church history. May not count toward the 18 hours in U.S. and non-U.S. history required of history majors and minors. Credits: 3

HIS 3200 - Islamic History.

(3-0-3) On Demand. The conquests, law and customs, art and sciences of the Moslem world, including Spain, Persia, the Turks, and the Sudan. WI, NUS3 Credits: 3

HIS 3210 - History of the Modern Middle East.

(3-0-3) On Demand. A survey of the history of the Middle East from the beginning of the Ottoman Turkish Empire to the present. WI, NUS3 Credits: 3

HIS 3245 - African History to 1400.

(3-0-3) F. This course complements HIS 3250. It begins with archaeological evidence for human origins in Africa, and continues through the rise of African empires between 900 AD and 1400 AD. WI, NUS Credits: 3

HIS 3250 - African History from 1400.

(3-0-3) S. This course complements HIS 3245. It examines the history of Africa from prior to the European invasion to the present day. Course topics include the Atlantic and Arab slave trades, European imperialism and colonialism, the post-colonial age, African geography, Islam and other religions in Africa, arts, political organizations, and Africa in the world. WI, NUS Credits: 3

HIS 3255 - Colonial Latin America.

(3-0-3) F. Survey of Latin America to Independence, focusing on the rise of the great pre-Columbian civilizations, the political, social and religious structures of colonial Iberian American civilization, and the origins and process of Independence. WI, NUS3 Credits: 3

HIS 3260 - Modern Latin America.

(3-0-3) S. Survey of Latin America from Independence, including the nineteenth century struggle between liberalism and conservatism, the Mexican Revolution, populist and authoritarian paths to development, the Cuban and Central American Revolutions, and the recent rise of neo-liberalism. WI, NUS3 Credits: 3

HIS 3320 - History of Modern China.

(3-0-3) On Demand. Survey of Chinese history between 1800 and present. WI, NUS3 Credits: 3

HIS 3330 - Modern East Asia in the Pacific Century.

(3-0-3) On Demand. This course examines the major historical transformation of East Asia from the nineteenth century to the present. Particular attention will be given to the most influential political, economic, and social phenomena that shaped the lives of the people in China, Korea, and Japan in the emergence of the Pacific Century. The course examines their historical relationships both within the region and across the Pacific with the U.S. Course may not be repeated. WI, NUS Credits: 3

HIS 3340 - Medieval and Imperial Russia.

(3-0-3) On Demand. Studies the political, social, cultural and economic history of Russia 860 - 1917. WI, NUS Credits: 3

HIS 3350 - Twentieth Century Russia.

(3-0-3) On Demand. Studies the political, social, cultural and economic history of Russia 1917-present. WI, NUS Credits: 3

HIS 3380 - The Golden Age of Piracy.

(3-0-3) On Demand. This course is an interdisciplinary study of the Golden Age of piracy in the early modern Atlantic World. Focusing on the period between 1500-1726 it will use pirates as a lens through which to study the massive transformations of the late 16th to the 19th century that marked the development of interconnected economies and societies in the Atlantic basin. WI, NUS Credits: 3

HIS 3405 - Absolutist France and The Wider World.

(3-0-3) F, S. An investigation of the development of French politics, warfare, culture, and society in the context of France's expanding role in the wider world. Topics discussed will include war and the rise of the central state, colonialism, and baroque culture. WI, NUS Credits: 3

HIS 3410 - French Revolution.

(3-0-3) On Demand. A study of the French Revolution and the concept of the revolution in general. WI, NUS Credits: 3

HIS 3415 - World War I.

(3-0-3) S. A study of the background, course, and consequences of the first world war. WI Credits: 3

HIS 3420 - World War II.

(3-0-3) F. A study of the background, course and consequences of the second world war. WI Credits: 3

HIS 3450 - Modern Germany.

(3-0-3) On Demand. A political, social, and cultural history of Germany since 1815 with emphasis on the 1848 Revolution, the German Empire, the World Wars, and divided Germany. WI, NUS Credits: 3

HIS 3500 - Climate, Environment and History Since the last Ice Age.

(3-0-3) F. Since the 1960s historians and geographers have become more concerned with the impact of climate on history and the global environment, with increasing emphasis on the interdisciplinary nature of this study. Students will engage in exploring the last 18,000 years with an integrated historic and geographic methodology, to gain a better understanding of how human societies have adapted to climate-driven changes. Cross-listed with GEG 3500. WI Credits: 3

HIS 3520 - Medieval History.

(3-0-3) On Demand. Empire and culture in the Latin West and in the Greek East-- law, education, science, art and literature, society. WI, NUS Credits: 3

HIS 3530 - Medieval Archaeology and Cultural Heritage in Europe.

(4-0-4) S. An introduction to archaeology as a crossroads discipline, integrating a humanistic inquiry into history with the scientific methodologies which help evaluate the vestiges of past material culture. It is taught only abroad, and emphasizes the cultural heritage of the host country. May not be repeated. Cross-listed with ESC 3530. Credits: 4

HIS 3540 - Medieval and Renaissance Italy - North and South.

(3-0-3) On Demand. This course surveys Italian history, from the fifth century collapse of Roman imperial authority in the west, through the rise of the powerful city-states in the fifteenth century. It illuminates the divergent histories of Italy's north and south, and explains how one becomes among the most intellectually and economically sophisticated areas in Western Europe, while the other is effectively colonized by foreign rulers. Course may not be repeated. WI, NUS Credits: 3

HIS 3555 - Modern World History.

(3-0-3) A survey of world history during the nineteenth and twentieth centuries. WI **Prerequisites & Notes:** HIS 3555 replaces HIS 2400. HIS 3555 does not count as an upper-division elective for the history major, the history major with social science certification, or the history minor. Credits: 3

HIS 3600G - The U.S. Constitution and the Nation.

(3-0-3) F, S. A survey of the origin and development of the Constitution and its impact on the history of the United States. WI Credits: 3

HIS 3690G - The U. S. Constitution and the Nation, Honors.

(3-0-3) On Demand. A survey of the origin and development of the Constitution and its impact on the history of the United States. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

HIS 3700G - Turning Points in the History of Religion and Science.

(3-0-3) F, S. Study of the decline of the ancient religious world view largely due to developments in science. WI Credits: 3

HIS 3750 - African-American History: A Survey.

(3-0-3) This course critically explores the course of African-American history in the United States from 1619, with the arrival of the first twenty Africans at Jamestown, to the present. WI, US Credits: 3

HIS 3760 - The American South.

(3-0-3) S. A history of the American South with emphasis on social and cultural developments and the deviation between North and South. WI, US Credits: 3

HIS 3770 - Native American History.

(3-0-3) F. Explores the history of Native American peoples from prehistory to the present. WI Credits: 3

HIS 3790G - Turning Points in the History of Religion and Science, Honors.

(3-0-3) F, S. Study of the decline of the ancient religious world view largely due to developments in science. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

HIS 3800 - U.S. Diplomatic History.

(3-0-3) On Demand. A survey of American diplomacy from the American Revolution to the present time. WI, US Credits: 3

HIS 3801 - U.S. Rural History

(3-0-3) On Demand. Study of historic issues related to society, culture and agriculture in the rural United States from contact to the present. Course may not be repeated. WI, US Credits: 3

HIS 3810 - History of Illinois.

(3-0-3) F. A history of the state from the French regime through the Civil War to the present. WI, US Credits: 3

HIS 3900 - Women in American History.

(3-0-3) On Demand. A survey of American women's history from pre-colonial times to the present, with a special emphasis on the historical diversity of women's experience. Students will also be introduced to the historiography of women, men, and gender. WI, US Credits: 3

HIS 3920 - Military History of the United States.

(3-0-3) F, S. A study of the American military experience. The origins, consequences, strategies, tactics and logistics of American wars will be considered as well as the role and influence of military professionalism, science, technology and society upon the conduct of those wars. WI, US Credits: 3

HIS 3930 - The Civil War Era.

(3-0-3) F, S. A survey of the causes of the Civil War, the War years, and the period of Reconstruction, with major emphasis on the socioeconomic, cultural, and political differences between North and South. WI, US Credits: 3

HIS 3940 - History of American Journalism.

(3-0-3) On Demand. Survey of journalism in the United States from colonial times to the present. May not count toward the 18 hours in U.S. and non-U.S. history required of history majors and minors. WI Credits: 3

HIS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. WI Credits: 1 to 15

HIS 39701 - Study Abroad I.

(Arr.-Arr.-1-15) See STA 3970. WI Credits: 1 to 15

HIS 39702 - Study Abroad II.

(Arr.-Arr.-1-15) See STA 3970. WI Credits: 1 to 15

HIS 3990 - Medieval Archaeology, Honors.

(Arr.-Arr.-1-4). An introduction to archaeology as a crossroads discipline, integrating a humanistic inquiry into history with the scientific methodologies which help evaluate the vestiges of past material culture. It will be taught only within the Semester Abroad program and emphasize the cultural heritage in the countries concerns. May be repeated. Cross-listed with ESC 3990. WI Credits: 1 to 4

HIS 4303 - Colonial America to 1763.

(3-0-3) F. The origins of England's North American Colonies and their cultural, economic, political, social, and religious development in the period ending with the French and Indian War. WI, US **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4304 - Revolutionary America to 1789.

(3-0-3) S. The origins of the American Revolution as the aftermath of the Great War for Empire, the conduct of the war, the adoption of the Articles of Confederation through the culmination of the Revolution in the Constitution of the United States. WI, US **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4350 - The Dr. Herbert Lasky Seminar in the Early National History of the US.

(3-0-3) F. The Early National era (1787-1815) saw Americans write their Constitution, fight their first major war, and engage in intense political and cultural battles over the meaning of their Revolutionary heritage. In this rigorous seminar, students will explore in depth the history of America's diverse founding generation. Restricted to Junior and Senior History majors. Course may not be repeated. WI, US Credits: 3

HIS 44001 - Independent Study in History I.

(Arr.-Arr.-1-4) Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. (No student may earn more than four semester hours credit for each independent study.) WI Credits: 1 to 4

HIS 44002 - Independent Study in History II.

(Arr.-Arr.-1-4) Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. (No student may earn more than four semester hours credit for each independent study.) WI Credits: 1 to 4

HIS 44441 - Honors Independent Study I.

(3-0-3) Consideration of special topics in History. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 44442 - Honors Independent Study II.

(3-0-3) Consideration of special topics in History. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 45551 - Honors Research I.

(3-0-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 45552 - Honors Research II.

(3-0-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 46441 - Honors Thesis I.

(3-0-3) Intensive research in preparation of a thesis on a topic in History approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 46442 - Honors Thesis II.

(3-0-3) Intensive research in preparation of a thesis on a topic in History approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 4600 - The Holocaust.

(3-0-3) On Demand. An examination of the Holocaust from 1933-1945. This course will examine the many factors that led to the institutionalized destruction of European Jewry. Exclusion: Students may not receive credit for both HIS 4600 and EIU 4039G/4193G (Honors Senior Seminar, The Holocaust). WI, NUS Credits: 3

HIS 4666 - Honors Seminar.

(3-0-3) Areas of investigation which require integration of History and research will be treated. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

HIS 4775A - Selected Topics in History A.

(2-0-2 or 3-0-3 depending upon topic.) On Demand. Study of historical topics not typically presented in standard courses. Topics to be announced. Course may be repeated once with permission of the department chairperson. WI **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 2 to 3

HIS 4775B - Selected Topics in History B.

(2-0-2 or 3-0-3 depending upon topic.) On Demand. Study of historical topics not typically presented in standard courses. Topics to be announced. Course may be repeated once with permission of the department chairperson. WI **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 2 to 3

HIS 4780 - Origins of Europe: Archaeology and History.

(3-0-3) S. Introduction to the archaeology and history of early Europe (1000 B.C.-1000 A.D.), with an emphasis on how archaeological (material culture) and historical (written) sources are used in its study. WI, NUS **Prerequisites & Notes:** Course may not be repeated. Credits: 3

HIS 4785 - Crusade and Jihad: Religious Violence in the Islamo-Christian Tradition.

(3-0-3) On Demand. This course is designed to juxtapose the medieval understanding of violence and war in both the Western Christian and Islamic traditions with modern understandings of those same phenomena. This course traces the intellectual developments of these concepts during the Middle Ages, and it explores how medieval conceptions of violence are reinterpreted and redeployed in the nineteenth through twenty-first centuries. Course may not be repeated. WI, NUS Credits: 3

HIS 4800 - The Renaissance and Reformation.

(3-0-3) On Demand. A study of the intellectual and spiritual rebirth of Europe from 1350 to 1559. The Renaissance and Reformation movements shattered the medieval world-view, challenged its institutions and authorities, and ushered in the modern world. WI, NUS **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or the consent of instructor. Credits: 3

HIS 4810 - Europe in the Nineteenth Century.

(3-0-3) On Demand. An investigation into the political, economic, social and intellectual developments in 19th century Europe. WI, NUS **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4815 - History of Ireland and the Irish, 1600 to the Present.

(3-0-3) On Demand. This course focuses on twentieth-century issues and events in Ireland but roots these in the Anglo-Scot settlements of the seventeenth century, the romantic nationalism of the late-eighteenth century, and the rural conflict and famine of the nineteenth. It also

examines the Irish diaspora outside the isle, as well as the IRA and the UDA in modern Northern Ireland. Course may not be repeated. WI, NUS Credits: 3

HIS 4820 - The World in the Twentieth Century.

(3-0-3) On Demand. The apex and decline of European hegemony in the age of the world wars, class war, cold war and totalitarianism. WI, NUS **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4830 - Eastern Europe from World War I to the Present.

(3-0-3) On Demand. Eastern Europe from World War I to the present. WI, NUS **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4840 - Europe Since 1945.

(3-0-3) On Demand. A political, social and cultural history of Europe since World War II. WI, NUS **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4845 - Women and Gender in Modern Europe.

(3-0-3) S. Explores the political, social, and cultural history of women and gender relations in Europe from 1789 to the present. Cross-listed with WST 4845. WI, NUS Credits: 3

HIS 4850 - Mexico, Central America and the Caribbean.

(3-0-3) On Demand. This course focuses on the relationships among the following issues in Mexico, Central America and the Caribbean: racial and ethnic identity; economic development; political structures, and migration. WI, NUS3 **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or the consent of the instructor. Credits: 3

HIS 4863 - The Trojan War: History and Archaeology.

(3-0-3) On Demand. The ancient Greek legend of the Trojan War, immortalized by Homer's Iliad, has captivated readers for generations. But is there a historical basis for it? This course will explore the historical and archaeological evidence for a Bronze Age Trojan War in western Anatolia. WI, NUS Credits: 3

HIS 4865 - Alexander the Great.

(3-0-3) On Demand. Alexander the Great, king of Macedon in the fourth century BCE, became a living legend when he conquered the Persian Empire and extended Greek culture all the way to India. This course will investigate issues, questions, and controversies about the man and his times, beginning with the reign of his father Philip and ending with Alexander's legacy. WI, NUS Credits: 3

HIS 4870 - The Two Koreas.

(3-0-3) On Demand. This course examines the historical context in which North and South Korea emerged and continued as a divided nation during the twentieth century. Particular attention will be paid to most important political, economic, and socio-cultural phenomena in the divergence of the images and reality of North and South Korea before, during, and after the national division of 1945. Course may not be repeated. WI, NUS Credits: 3

HIS 4880 - Modern Japan: From Samurai to Freeters.

(3-0-3) On Demand. This course examines the historical transformation of Japan from Tokugawa times to the present. Particular attention will be given to the most influential political, economic, and social phenomena that the people have faced in the making of modern Japan since the nineteenth century. Course may not be repeated. WI, NUS Credits: 3

HIS 4900 - Historical Publishing

(3-0-3) S. Writing, editing, and producing professional journal articles, book and exhibit reviews in history for a journal and newsletter in print and online. WI **Prerequisites & Notes:** Junior, Senior, or Graduate Status. Credits: 3

HIS 4910 - The Foundation of the American Constitutional and Political System.

(3-0-3) S. Study of United States constitutional history from its roots in the Magna Carta through the modern age, with emphasis on historical controversies, disputes, and rival interpretations. WI, US **Prerequisites & Notes:** Three semester hours in history courses numbered 3000 and above or the consent of the instructor. Credits: 3

HIS 4930 - Public History: Meaning and Method.

(3-0-3) On Demand. An introduction to public history that explores how conflicting interpretations of the past promoted by local amateurs, museum professionals, documentary producers and academic historians shape the public's understanding of the past. WI Credits: 3

HIS 4940 - The Early Republic: United States, 1789-1848.

(3-0-3) F. An advanced survey of the American experience from the Age of Jefferson to the Age of Jackson, a period commonly called the Early Republic. Emphasis is on four interconnecting themes – economic development, politics and reform, ideology and culture, and western expansion. WI, US **Prerequisites & Notes:** Three semester hours in history courses numbered 3000 or above, or permission of instructor. Credits: 3

HIS 4950 - The Emergence of Industrial America.

(3-0-3) On Demand. Focusing on the period from 1880 to 1920, this course examines the economic, political, social, and cultural changes that accompanied the United States' transition from a rural to an urban nation. WI, US Credits: 3

HIS 4960 - Contemporary America.

(3-0-3) On Demand. Study of major issues affecting the present generation with an emphasis upon historical courses and parallels. WI, US
Prerequisites & Notes: Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4970 - History of Ideas in America.

(3-0-3) On Demand. The development of American ideas from first settlement to the present. WI, US **Prerequisites & Notes:** Three semester hours in courses numbered 3000 and above in history or written consent of the instructor. Credits: 3

HIS 4980 - The Vietnam War: An American and Vietnamese Ordeal.

(3-0-3) On Demand. A reading, discussion, and writing course focusing on the Vietnam War (Second Indochinese War, 1965-1975) from an American, Vietnamese, and international perspective. Course may not be repeated. Restriction: Juniors (60 credits or more). WI Credits: 3

HONORS (HON)

HON 1190 - Honors Forum.

(1-0-1) F. The course is designed to introduce first-year University Honors students to the academy and opportunities and expectations for success at Eastern Illinois University. Students will also meet Honors faculty and discover undergraduate research, scholarship, and creative activity opportunities. They will learn of curricular and co-curricular opportunities and ways in which they might integrate their learning and experiences in order to enrich their college experience. WI **Prerequisites & Notes:** Admission to the University Honors Program. Course may not be repeated. Credits: 1

HON 1191 - Honors First-Year Seminar.

(3-0-3) F. An inquiry into the expectations, resources, policies, and traditions of university life and the Honors College. Students are challenged to enhance their intellectual and leadership potential through study of disciplinary perspectives on international and local issues while planning how they will make their own contributions to society. WI **Prerequisites & Notes:** Course is open only to University Honors Students and required for EIU Presidential Scholars. First-year student standing (fewer than 30 semester hours of earned credit). Credit will not be awarded for both EIU 1111 and HON 1191. This course may not be taken credit/no credit. Credits: 3

HON 4555 - Honors Research.

(Arr.-Arr.-1 to 3) On Demand. In consultation with a faculty mentor, the student designs, executes, and writes the results of an original piece of research using primary data. Any research methodology may be employed. The student must submit a detailed study proposal to be approved by the faculty supervisor and a Departmental Honors Coordinator or Dean of the Honors College prior to registration. WI **Prerequisites & Notes:** Admission to a departmental honors program or permission of the Dean of the Honors College. Course may be repeated once to a maximum of 6 hours. Credits: 1 to 3

HON 4644 - Honors Thesis.

(Arr.-Arr.-3) On Demand. Preparation of a written thesis on a topic approved by a faculty supervisor and a Departmental Honors Coordinator or Dean of the Honors College prior to registration. WI **Prerequisites & Notes:** Admission to a Departmental Honors program or permission of the Dean of the Honors College, and completion of HON 4555. Course may be repeated once. Credits: 3

JOURNALISM (JOU)

JOU 2001G - Journalism and Democracy.

(3-0-3) F, S. A study of the role of journalism in a democracy, the effects of the news media on society and the individual, the importance of an informed electorate in a free, diverse society, and the responsibility of citizens to know, think and speak out about public issues. MC 911 Credits: 3

JOU 2091G - Journalism and Democracy, Honors.

(3-0-3) F, S. A study of the role of journalism in a democracy, the effects of the news media on society and the individual, the importance of an informed electorate in a free, diverse society, and the responsibility of citizens to know, think and speak out about public issues. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

JOU 2101 - News Writing.

(2-2-3) On Demand. Introduction to the study and practice of gathering and writing information for news media. MC 919 WC **Prerequisites & Notes:** A minimum grade of "B" in English 1001G or a minimum grade of "C" in both English 1001G and English 1002G. Credits: 3

JOU 2901 - Introduction to Copy Editing.

(2-2-3) On Demand. The study of principles and practices of editing copy for various journalistic media. Emphasis on editing for accuracy, fairness, legal and ethical problems and proper style, grammar, word usage, and punctuation. MC920 **Prerequisites & Notes:** A minimum grade of "C" in JOU 2101. Credits: 3

JOU 2950 - Introduction to Visual Communication.

(2-2-3) On Demand. Study of design, communication and visual communication theory, principles, and techniques that are essential to understanding photojournalism and journalism visual design. Students will test their understanding by applying theory to journalistic photography and design assignments. Credits: 3

JOU 3000 - Advanced Reporting and Research.

(2-2-3) On Demand. Advanced techniques of writing and reporting for news media. WC **Prerequisites & Notes:** A minimum grade of "C" in JOU 2101. Credits: 3

JOU 3001 - Photojournalism.

(2-2-3) On Demand. Photographic work in journalism with emphasis on photo content. **Prerequisites & Notes:** A minimum grade of "C" in JOU 2950 or permission of the instructor. Credits: 3

JOU 3002 - Introduction to Multimedia Journalism.

(2-2-3) On Demand. An introduction to basic elements of multimedia journalistic reporting and storytelling, including audio, video, slideshows, and online journalism formats. **Prerequisites & Notes:** JOU 2101 and JOU 2950. Prerequisites may not be taken concurrently. Course may not be repeated. Credits: 3

JOU 3102 - Feature Writing.

(3-0-3) On Demand. Study and practice of developing and writing feature material for newspapers and magazines, including information-gathering, marketing, and surveying the place of features in the print media. WC **Prerequisites & Notes:** A minimum grade of "C" in JOU 2101 or permission of the instructor. Credits: 3

JOU 3300 - Publication Design.

(2-2-3) On Demand. The introductory study of principles and practices of headline writing, of selecting and editing photos and graphics and of layout and design of pages for newspapers, magazines, newsletters and brochures. **Prerequisites & Notes:** JOU 2950. Course may not be repeated. Credits: 3

JOU 3401 - Journalism Practicum.

(Arr-Arr-1) On Demand. (Credit/No Credit) Supervised, journalism-related experiences on student media outlets, focusing on information-gathering, writing, editing, photography, design, online journalism, electronic journalism and public relations on student media such as The Daily Eastern News, The Warbler, WEIU-TV-FM, and The Agency. **Prerequisites & Notes:** JOU 2001 and a minimum grade of "C" in JOU 2101. Credits: 1

JOU 3501 - Principles of Advertising.

(3-0-3) On Demand. Principles of advertising with special emphasis on advertising design and sales for mass media. Credits: 3

JOU 3610 - Broadcast News.

(2-2-3) On Demand. The study and practice of basic broadcast news skills with an emphasis on gathering, writing, producing and disseminating information via radio and television. Cross-listed with CMN 3610. WC **Prerequisites & Notes:** JOU 3002 or CMN 2575, or permission of instructor. Credit not granted for both JOU 3610 and CMN 3610. Credits: 3

JOU 3620 - Advanced Broadcast News.

(2-2-3) On Demand. The study and practice of advanced broadcast news skills with an emphasis on writing, shooting, editing, anchoring, reporting and producing news for radio, television and online media. Cross-listed with CMN 3620. **Prerequisites & Notes:** CMN/JOU 3610 or permission of instructor. Credit not granted for both JOU 3620 and CMN 3620. Credits: 3

JOU 3703 - Online Journalism.

(2-2-3) On Demand. In-depth study of the implications of the Internet on journalistic media and laboratory for design and production of journalistic Web sites using elements of design, photography, audio, and video as means of journalism delivery. **Prerequisites & Notes:** JOU 2950 and JOU 3002. Neither prerequisite may be taken concurrently. Course may not be repeated. Credits: 3

JOU 3705 - Public Relations Writing

(2-2-3) On Demand. The study and practice of writing for public relations including news releases, brochures, newsletters, Web site copy and applications, for print, electronic, and new media. WC **Prerequisites & Notes:** A minimum grade of "C" in JOU 2101 and JOU 2901 or permission of the instructor. Credits: 3

JOU 3706 - Sports Writing

(2-2-3) On Demand. Advanced techniques of writing and reporting on sports for print, online, and electronic media. WC **Prerequisites & Notes:** A minimum grade of "C" in JOU 2101. Credits: 3

JOU 3800 - Advanced Editing

(2-2-3) On Demand. A critical study of publication content, management, and copy editing for those preparing to work in print or online publications. **Prerequisites & Notes:** A minimum grade of "C" in JOU 2901 or permission of the instructor. Credits: 3

JOU 3820 - Publicity Methods.

(3-0-3) Publicizing events, products and organizations through the media. Practical application stressed. For those who will do publicity as part of their careers in business, family and consumer sciences, science, etc. Not open to journalism majors. WI Credits: 3

JOU 3903 - Women and the Media.

(3-0-3) On Demand. An overview of women's roles as media participants and consumers. Effects of media treatment of women on society and individuals. Examination of the images and roles of women in media such as newspapers and magazines. **Prerequisites & Notes:** ENG 1002G. Credits: 3

JOU 3920 - Public Relations in Society.

(3-0-3) A study of the impact public relations has in society with major emphasis on providing information to the media (publicity); establishing mutually beneficial relations (employee, consumer, and community relations); and serving as the organization's conscience (counseling). Credit will not be given for both CMN 2920 and JOU 3920 or for CMN 3920 and JOU 3920. WI Credits: 3

JOU 3950A - Special Topics I.

(Arr.-Arr.-1-3) On Demand. A course devoted to special topics in journalism. WC **Prerequisites & Notes:** JOU 2001 and permission of the instructor. May be repeated once for credit. Credits: 1 to 3

JOU 3950B - Special Topics II.

(Arr.-Arr.-1-3) On Demand. A course devoted to special topics in journalism. WC **Prerequisites & Notes:** JOU 2001 and permission of the instructor. May be repeated once for credit. Credits: 1 to 3

JOU 3950D - Special Topics III.

(Arr.-Arr.-1-3) On Demand. A course devoted to special topics in journalism. WC **Prerequisites & Notes:** JOU 2001 and permission of the instructor. May be repeated once for credit. Credits: 1 to 3

JOU 3950E - Special Topics IV.

(Arr.-Arr.-1-3) On Demand. A course devoted to special topics in journalism. WC **Prerequisites & Notes:** JOU 2001 and permission of the instructor. May be repeated once for credit. Credits: 1 to 3

JOU 3951 - Minorities and the Media.

(3-0-3) On Demand. A course devoted to the purpose, problems, and present status of the minority press in the United States, and to the treatment of minorities in the majority media. Students are encouraged to develop research interests and to present their discoveries through oral and written presentation. **Prerequisites & Notes:** ENG 1002G. Credits: 3

JOU 3952 - International Journalism and the World Press: Processes, Issues, Functions and Challenges.

(3-0-3) On Demand. A course devoted to the study of world press systems. The course will examine issues and processes of international news dissemination as well as the nature and functions of the press in selected countries/regions, with an emphasis on socio-political and economic factors. Credits: 3

JOU 3953 - Perspectives on Sports and the Media.

(3-0-3) On Demand. An examination of the impact sports and the mass media have had and are continuing to have on each other. Focus on the history of sportswriting and sports broadcasting and the state of these fields today. Credit will not be given for both CMN 3953 and JOU 3953. Cross-listed with CMN 3953. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G; JOU 2001 or CMN 2520 or permission of instructor. Credits: 3

JOU 3955 - Reporting on the Arts.

(3-0-3) On Demand. This course introduces the student to the world of arts coverage from film, to theater, to music, to art, to television, to book reviews. Attention will be given to how to cover the local art community, including how to write advance stories, features and news stories. Special emphasis will be given to how to write reviews of performances. WI **Prerequisites & Notes:** JOU 3000. Course may not be repeated. Credits: 3

JOU 4001 - Media Management.

(3-0-3) On Demand. This course examines the workings of the news media, including newspapers, television and electronic news organizations. Attention will be given to issues facing the news media, including changing ownership, readership/viewership patterns, diversity needs and technological developments. Management techniques, including decision-making strategies will be examined. **Prerequisites & Notes:** JOU 3000 or permission of the instructor. Credits: 3

JOU 4102 - Journalism Ethics.

(3-0-3) On Demand. Ethical principles and issues of journalism; philosophical and professional standards of reporting and editing for newspapers, broadcast, and online journalism. WI **Prerequisites & Notes:** Junior Standing. Credits: 3

JOU 4275 - Journalism Internship.

(Arr.-Arr.-1-3) (Credit/No Credit) Actual training in a print or electronic news medium or in a related professional journalism environment. **Prerequisites & Notes:** JOU 3000 and permission of the department chair. Credits: 1 to 3

JOU 4444 - Honors Independent Study.

(Arr.-Arr.-1-6) On Demand. Consideration of special topics in Journalism. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of Departmental Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 1 to 6

JOU 4555 - Honors Research.

(Arr.-Arr.-1-6) On Demand. In consultation with a faculty mentor, the student will design, execute and present the results of an original piece of research in Journalism using appropriate methodology. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of Departmental Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 1 to 6

JOU 4644 - Honors Thesis.

(Arr.-Arr.-3-6) On Demand. Original research in preparation of a thesis on a topic in Journalism approved by faculty supervisor and Departmental Honors Coordinator. Students in the Journalism Honors Program must complete at least three credit hours of thesis work. WI **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of Departmental Honors Coordinator. May be repeated once for maximum of six credit hours. Credits: 3 to 6

JOU 4666 - Honors Seminar.

(Arr.-Arr.-1-6) On Demand. Areas of investigation that require integration of Journalism and research on a topic approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of Departmental Honors Coordinator. May be repeated once for a maximum of six credit hours. Credits: 1 to 6

JOU 4750 - Independent Study.

(Arr.-Arr.-1-3) On Demand. Individual pursuit of in-depth study of selected topic in Journalism developed by student. **Prerequisites & Notes:** 75 semester hours and approval of the Department of Journalism chairperson. Course may be repeated for maximum of six semester hours with approval of Journalism chairperson. WI Credits: 1 to 3

JOU 4751 - Advanced Photojournalism.

(3-0-3) On Demand. Theory and practice of the photo essay, photo story and other extended forms of photojournalism from inception to display. Stresses magazine-style presentation in book, magazine and newspaper form. **Prerequisites & Notes:** A minimum grade of "C" in JOU 3001 or permission of instructor. Credits: 3

JOU 4760 - Advanced Publication Design.

(3-0-3) On Demand. Study and application of advanced editing, typography, graphics, and the design of magazines, newspapers, public relations pieces, advertisements, and yearbooks. **Prerequisites & Notes:** A minimum grade of "C" in JOU 3300 or permission of instructor. Credits: 3

JOU 4761 - Advanced New Media Design.

(2-2-3) On Demand. The study and design of advanced forms of journalism and storytelling using emerging new media such as streaming audio, video, animations, virtual reality simulations and other means and media. **Prerequisites & Notes:** JOU 3703 or permission of the instructor. Credits: 3

JOU 4762 - Interactive Reporting and Design.

(1-3-3) On Demand. Class will focus on the creation of interactive journalistic packages. Industry standard software (such as Flash) and the corresponding scripting languages will be used extensively. The course will emphasize how best to use interactive packages to communicate effectively with diverse audiences. **Prerequisites & Notes:** JOU 3703 or permission of the instructor. Credits: 3

JOU 4770 - News Media Opinion Writing and Editing.

(3-0-3) On Demand. Study and practice of how news media perform their opinion function, with emphasis on writing editorials and editing newspaper opinion pages. **Prerequisites & Notes:** JOU 3000 or permission of the instructor. Credits: 3

JOU 4771 - Communication Law.

(3-0-3) On Demand. The study of the history and development of media law in the United States. Major emphasis will be placed on speech and press theories, libel, invasion of privacy, copyright, broadcast and advertising regulation, access to government records and meetings, access to court proceedings, and legal rights and limitations of new media. **Prerequisites & Notes:** Junior standing. Credits: 3

JOU 4801 - Issues in Supervising High School Publications.

(1-0-1) On Demand. Study of the issues faced by advisers to high school publications with emphasis on adviser, administration and staff relationships; staff recruitment and motivation; publication, finance and management; and legal and ethical issues. **Prerequisites & Notes:** Permission of instructor. Credits: 1

JOU 4802 - Issues in Supervising High School Newspapers.

(1-0-1) On Demand. Study of the issues faced by advisers to high school newspapers with emphasis on the adviser's roles and duties; development and implementation of editorial policies; staff organization; development of content; and writing, editing, design and production. **Prerequisites & Notes:** JOU 4801 or permission of instructor. Credits: 1

JOU 4803 - Issues in Supervising High School Yearbooks.

(1-0-1) On Demand. Study of the issues faced by advisers to high school yearbooks with emphasis on the adviser's roles and duties; development and implementation of editorial policies; staff organization; development of content; and writing, editing, design and production. **Prerequisites & Notes:** JOU 4801 or permission of instructor. Credits: 1

JOU 4900 - Journalism Seminar.

(3-0-3) On Demand. In-depth study of various topics in journalism. **Prerequisites & Notes:** Permission of the instructor. Credits: 3

JOU 4919 - Public Relations Techniques.

(3-0-3) On Demand. Effective techniques of a public relations program including basic concepts and principles of the public relations profession, the roles and functions, planning, managing, and executing campaigns. **Prerequisites & Notes:** JOU 3920. A minimum grade of "C" in JOU 3300. Credit will not be given for both JOU 4919 and CMN 4919. Credits: 3

JOU 4920 - Case Studies in Public Relations Problems.

(3-0-3) On Demand. Public relations case problems in industry, business, labor, education, government, social welfare and trade associations; the application of public relations techniques. **Prerequisites & Notes:** JOU 4919 or permission of the instructor. Credit will not be given for both JOU 4920 and CMN 4920. Credits: 3

KINESIOLOGY & SPORTS STUDIES (KSS)

KSS 1000A, B, D, E - Physical Development.

(Arr.-Arr.-1-3) Intensive individual study on a topic selected by the student and approved by the department chair. (No MSC student may earn more than four semester hours credit.). May be repeated once. Credits: 1 to 3

KSS 1150 - Lifetime Fitness.

(2-0-2) On Demand. Lifetime Fitness will cover principles related to physical activity. Students will be expected to complete a variety of physical activity self assessments. Credit will not be given for both KSS 1150 and KSS 2850. The course is not open to Kinesiology & Sports Studies majors or minors. Credits: 2

KSS 1310 - Aqua Exercise.

(0-2-1) F, S. An aqua exercise program for swimmers and non-swimmers designed to enhance fitness development. Will not count for Kinesiology & Sports Studies aquatics requirements, or in 1 hour service course requirements for Kinesiology & Sports Studies majors with teacher certification options. Credits: 1

KSS 1400 - Swimming (Beginning).

(0-2-1) F, S. For beginning swimmers only. Persons able to swim 45 feet should enroll in KSS 1410. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1410 - Swimming (Intermediate).

(0-2-1) F, S. For intermediate swimmers. Persons able to swim 45 feet should enroll in this class. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1440 - Lifeguarding.

(0-4-2) F, S. Upon satisfactory completion of the course, students will be certified by the American Red Cross as Lifeguards. May be repeated once to meet the minimum 120 semester hours toward graduation. **Prerequisites & Notes:** Pass a preliminary swim test. Exit requirements to be completed by the end of the course: ARC Standard First Aid (HST 3120), and CPR, or equivalent certifications. Credits: 2

KSS 1500 - Kinesiology and Sports Studies as a Profession.

(2-0-2) F, S. An introductory professional course which includes the general scope, purpose, history, growth and development, and career assessment of kinesiology and sports studies. Credits: 2

KSS 1600 - Weight Training.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1660 - Bowling.

(0-2-1) F, S. This is a beginning course. May be taken repeated once to meet the minimum 120 semester hours toward graduation. Fee. Credits: 1

KSS 1670 - Golf.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1692 - Aerobic Exercise.

(0-2-1) F, S. Designed to introduce students to the fundamentals of aerobic exercise which is accompanied by music and which promotes an understanding of personal physical fitness. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1720 - Basketball.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1770 - Volleyball.

(0-2-1) F. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1830 - Racquetball.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1850 - Self Defense.

(0-2-1) F, S. The course is designed to introduce students to the art of self defense. Credits: 1

KSS 1870 - Tennis.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 1920 - Ballroom Dance.

(0-2-1) F, S. This is a beginning course. May be repeated once to meet the minimum 120 semester hours toward graduation. Credits: 1

KSS 2000 - Technique and Practice of Teaching Physical Education Activities.

(0-2-1) F, S. An introduction to the techniques of teaching physical education through observation and participation. A minimum of 21 clock hours will be spent in a pre-clinical teaching experience. Preference will be given to Kinesiology & Sports Studies majors. **Prerequisites & Notes:** Preference will be given to Kinesiology & Sports Studies majors. Credits: 1

KSS 2101 - Technique and Theory of Badminton and Tennis.

(0-4-2) F, S. The development of basic skills and techniques of badminton and tennis. Credits: 2

KSS 2102 - Technique and Theory of Golf and Bowling.

(0-4-2) F, S. The development of basic skills and techniques of golf and bowling. Fee. Credits: 2

KSS 2103 - Technique and Theory of Track and Field and Weight Training.

(0-4-2) S. The development of basic skills of track, field, and weight training. Credits: 2

KSS 2104 - Technique and Theory of Aerobic Exercise and Strength Training.

(0-4-2) F, S. An introduction to the techniques, theory, safety and knowledge of performing and teaching aerobic exercise and strength training. Certifications and professional associations will be discussed. Credits: 2

KSS 2106 - Technique and Theory of Team Activities.

(0-4-2) F, S. Introduction to dual, combative, and large group activities of low organization of recreational nature considered as enrichment activities for junior and senior high school physical education. Credits: 2

KSS 2130 - Athletic Training Practicum.

(Arr.-Arr.-1) F, S. Practical experience in athletic training skills. Credits: 1

KSS 2135 - Basic Care and Prevention of Athletic Injuries.

(3-0-3) F, S. Primary causes of injuries; analysis of preventive measures; care of injuries in relation to type of tissue involved. Fee. Credits: 3

KSS 2136 - Athletic Training as a Profession.

(2-2-3) F. Introduction of basic Athletic Training skills and procedures. **Prerequisites & Notes:** KSS 2130, 2135, or permission of instructor for transfer students; all students must have minimum of 12 credit hours. Fee. Credits: 3

KSS 2137 - Introduction to Athletic Training Clinical Education.

(Arr.-Arr.-1) S. Practical experience in supervised clinical settings with an emphasis on the application of fundamental athletic training skills. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 2136. **Prerequisites & Notes:** KSS 2130 and KSS 2135. The prerequisite courses may not be taken concurrently with KSS 2137. Course may not be repeated. Credits: 1

KSS 2220 - Technique and Theory of Folk, Square, and Ballroom Dance I.

(0-4-2) F, S. Basic techniques and skills in folk, square and ballroom dance. Credits: 2

KSS 2230 - Technique and Theory of Modern Dance I.

(0-4-2) F, S. An introduction to an American dance art form. The techniques and the philosophy on which they are based are explored in a studio setting. Credits: 2

KSS 2360 - Techniques and Theory of Softball and Volleyball.

(0-4-2) F, S. The development of basic game skills, strategies and technique in softball and volleyball. Credits: 2

KSS 2380 - Technique and Theory of Flag Football and Basketball.

(0-4-2) F, S. The development of basic game skills, strategies and techniques in basketball and flag football. Credits: 2

KSS 2390 - Technique and Theory of Soccer/Speed-ball, and Modified Team Sports.

(0-4-2) F, S. Instruction in the techniques, theory, and game procedures in soccer, speedball, and modified team sports. Credits: 2

KSS 2440 - Structural Kinesiology.

(3-0-3) F, S. The study of musculoskeletal anatomy as it relates to human movement. Course restricted to Kinesiology & Sports Studies majors and may not be repeated. Credits: 3

KSS 2450 - Physical Education for Exceptional Individuals.

(3-0-3) F, S. An introduction to various conditions and activity programs, suitable to the needs of exceptional individuals. Credits: 3

KSS 2761 - Introduction to Sport Management.

(3-0-3) On Demand. Provide an overview of the field of sport management by introducing the historical aspects of the discipline and key content areas. Topics to be included are managerial leadership, marketing, communications, finance and economics, sport sociology, and law and their application in professional, intercollegiate, interscholastic, and youth and community sport programs. Course is restricted to Kinesiology & Sports Studies majors. Credits: 3

KSS 2850 - Fitness for Life.

(3-0-3) F, S. An individual approach for the assessment, analysis, and understanding of a lifetime of wellness through fitness. The course includes a thorough physical fitness/risk factor assessment in the Assessment, Testing, and Prescription Laboratory. Course may not be repeated. Credits: 3

KSS 2890 - Fitness for Life, Honors.

(2-2-3) On Demand. An individualized approach for the assessment, analysis, and understanding of a lifetime of wellness through fitness. The course includes a thorough physical fitness/risk factor assessment in the Human Performance Laboratory. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

KSS 2900G - International Expression for Dance.

(3-0-3) F, S. A study of major international dance forms, with emphasis on awareness, appreciation, and understanding of their contributions to the arts. F1 906 WI Credits: 3

KSS 3000 - Fitness Concepts for Teachers.

(1-0-1) F, S. A study of fitness concepts and their applications for practicing and future teachers of all disciplines. Interdisciplinary fitness concepts will be introduced to be used across the curriculum. **Prerequisites & Notes:** Restriction: Kinesiology & Sports Studies Majors are excluded. Credits: 1

KSS 3140 - Injury Recognition – Upper Extremity.

(2-1-2) F. A study of the relationship of the upper extremity to various injuries, diagnosis and assessment procedures as well as the immediate care of those injuries. This course contains advanced content and it is only intended for students currently admitted to the Athletic Training Education Program. **Prerequisites & Notes:** Co-requisite: KSS 3150. Prerequisites: KSS 2130, KSS 2135, KSS 2136, and KSS 2137. The prerequisite courses may not be taken concurrently with KSS 3140. Course may not be repeated. Credits: 2

KSS 3141 - Injury Recognition – Lower Extremity.

(2-1-2) S. A study of the relationship of the lower extremity to various injuries, diagnosis and assessment procedures as well as the immediate care of those injuries. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3151. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3141. Course may not be repeated. Credits: 2

KSS 3142 - Therapeutic Exercise.

(2-1-2) F. A study of the body's response to injury and wound repair, systematic approach to rehabilitation, current rehabilitation techniques and program development of therapeutic exercise as it relates to athletes and physically active individuals. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3152. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3142. Course may not be repeated. Credits: 2

KSS 3143 - Therapeutic Modalities.

(2-1-2) S. A study of the theories and principles, physiological effects, indications, contraindications and standard operating procedures of all therapeutic modalities commonly utilized in Athletic Training. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3153. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3143. Credits: 2

KSS 3144 - Seminar in Sports Medicine.

(2-0-2) F. A seminar approach to Sports Medicine as it pertains to Athletic Training, including but not limited to: administration, legal and ethical matters, confidentiality, budget processes, insurance, facility planning, design and maintenance, successful job search techniques as well as current issues and trends affecting the profession. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. **Prerequisites & Notes:** Co-requisite: KSS 3154. Prerequisites: KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3144. Credits: 2

KSS 3150 - Athletic Training Clinical I: Injury Recognition – Upper Extremity.

(0-3-2) F. Practical experience in supervised clinical settings with an emphasis on the relationship of the upper extremity to various injuries, diagnosis and assessment procedures as well as the immediate care of those injuries. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3140. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3150. Course may not be repeated. Credits: 2

KSS 3151 - Athletic Training Clinical II: Injury Recognition – Lower Extremity.

(0-3-2) S. Practical experience in supervised clinical settings with an emphasis on the relationship of the lower extremity to various injuries, diagnosis and assessment procedures as well as the immediate care of those injuries. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3141. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3151. Course may not be repeated. Credits: 2

KSS 3152 - Athletic Training Clinical III: Therapeutic Exercise.

(0-3-2) F. Practical experience in supervised clinical settings with an emphasis on the application of current rehabilitation techniques and program development of therapeutic exercise as it relates to athletes and physically active individuals. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3142. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3152. Course may not be repeated. Credits: 2

KSS 3153 - Athletic Training Clinical IV: Therapeutic Modalities.

(0-3-2) S. Practical experience in supervised clinical settings with an emphasis on the application of therapeutic modalities and program development of comprehensive rehabilitation programs that include therapeutic modalities as it relates to athletes and physically active individuals. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3143. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3153. Course may not be repeated. Credits: 2

KSS 3154 - Athletic Training Clinical V: Seminar in Sports Medicine.

(0-3-2) F. Practical experience in supervised clinical settings with an emphasis on the application of administration and leadership skills. This clinical experience will also allow for a continuation of the student's opportunity to synthesize their knowledge and skills of previously taught clinical proficiencies and competencies. This course contains advanced content and it is only intended for students currently admitted into the Athletic Training Education Program. Co-requisite: KSS 3144. **Prerequisites & Notes:** KSS 2130, 2135, 2136 and 2137. The prerequisite courses may not be taken concurrently with KSS 3154. Course may not be repeated. Credits: 2

KSS 3180 - General Medical Conditions in the Athlete.

(2-0-2) S. A study of general medical conditions and disabilities, wound care and management techniques and environmental related conditions found in athletes. **Prerequisites & Notes:** KSS 2130, KSS 2135, KSS 2136. Credits: 2

KSS 3400 - Secondary Physical Education Methods.

(3-2-4) On Demand. Techniques and methods of teaching secondary students in the area of physical education. **Prerequisites & Notes:** Grade of "C" or better in KSS 2000, KSS 3600, KSS 3641; SED 3330 and EDP 3331. MUST be taken concurrently with KSS 3401 for K-12 Kinesiology & Sports Studies majors. Restricted to Kinesiology & Sports Studies Teaching Majors or Minors. Credits: 4

KSS 3401 - Elementary Physical Education Methods.

(3-2-4) On Demand. Techniques and methods of teaching elementary students in physical education. **Prerequisites & Notes:** Grade of "C" or better in KSS 2000, KSS 3600, KSS 3641; SED 3330 and EDP 3331. MUST be taken concurrently with KSS 3400. Restricted to Kinesiology & Sports Studies Teaching Majors or Minors. Credits: 4

KSS 3460 - Soccer Coaching.

(2-1-2) F. A course which exposes students to the four components of soccer: technical, tactical, psychological, and physical. The student will be able to develop and implement appropriate training sessions, better understand the responsibilities of coaching, observe and identify systems of play with different strategies, and know the rules of the game. **Prerequisites & Notes:** Previous background or permission of the instructor. Course may not be repeated. Credits: 2

KSS 3470 - Basketball Coaching.

(2-2-3) F. Offensive and defensive styles of play; fundamentals, individual and team play; rules and strategy; conduct of tournament play. **Prerequisites & Notes:** Previous background or permission of instructor. Credits: 3

KSS 3480 - Football Coaching.

(2-2-3) S. Fundamentals of football including blocking, tackling, passing, kicking, offensive and defensive line and backfield play; conditioning; rules and strategy. **Prerequisites & Notes:** Previous background or permission of instructor. Credits: 3

KSS 3490 - Track and Field Coaching.

(2-2-3) S. Fundamentals of track and field events. Organization of track meets. Study of rules and strategy. **Prerequisites & Notes:** Previous background or permission of instructor. Credits: 3

KSS 3500 - Baseball Coaching.

(2-1-2) F. This course is designed to provide the student with the knowledge and skills to coach baseball. Emphasis is placed upon coaching methods and techniques, formulation of practice plans, offensive and defensive team strategy, and in-depth study of baseball rules. **Prerequisites & Notes:** Permission of the instructor. Credits: 2

KSS 3550 - Wrestling Coaching.

(2-2-3) S. Fundamentals of wrestling including offense techniques, defense techniques, coaching philosophy, training and conditioning guidelines, practice organization, rules and strategy. **Prerequisites & Notes:** Previous background or permission of the instructor. Credits: 3

KSS 3600 - Introduction to Elementary School Physical Education.

(0-4-2) F, S. Physical education as it relates to the total education of the elementary school child with emphasis on the developmental approach. Credits: 2

KSS 3641 - Rhythms/Dance/Tumbling for Elementary Physical Education.

(0-2-1) On Demand. A study of developmentally appropriate rhythms, dance, and tumbling skills and activities for the elementary school child. **Prerequisites & Notes:** KSS 3600. Credits: 1

KSS 3700 - Psychological Foundations of Coaching.

(2-0-2) F. The course is designed to provide the prospective athletic coach with an understanding of the principles of psychology as they apply to coaching. Credits: 2

KSS 3720 - Exercise Psychology.

(2-0-2) On Demand. A Study of the psychological factors related to participation in physical activity. Students will study the psychological predictors of exercise initiation and adherence as well as the consequences of physical activity participation on mental well-being. **Prerequisites & Notes:** A grade of C or better in KSS 2850. Preference given to Kinesiology & Sports Studies Majors. Credits: 2

KSS 3770 - Volleyball Coaching.

(2-1-2) F. Fundamentals of advanced skills and strategies of volleyball with emphasis on teaching and coaching techniques to be used at various levels of game play. **Prerequisites & Notes:** Previous experience or permission of instructor. Credits: 2

KSS 3800 - Biomechanics of Human Movement.

(3-0-3) F, S. The study of forces and how they effect movement of the human body particularly during physical activity. **Prerequisites & Notes:** Admission to the Kinesiology & Sports Studies major; Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440. Course may not be repeated. Credits: 3

KSS 3900 - Microcomputers in Kinesiology and Sports Studies.

(3-0-3) F, S. This course is designed to orient students to the various kinds of software and hardware being used in the kinesiology and sports studies occupations. History, hardware and software selection specific to kinesiology and sports studies, software evaluation, fitness data management, and word processing will be included in the course content. **Prerequisites & Notes:** No minimum programming level requirements; this is not a programming course. Credit will not be given for both HST 3199 and KSS 3900. Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440. Credits: 3

KSS 4275 - Field Experience.

(Arr.-Arr.-3 or 6) (Credit/No Credit) An individually planned work experience in a business, agency, or program appropriate to the student's area of specialization. May be repeated once; the maximum credit which may be earned is nine semester hours. **Prerequisites & Notes:** Admission to Kinesiology & Sports Studies major; Completion of all coursework to complete Kinesiology & Sports Studies degree; permission of B.S. Advisor and Chairperson. Credits: 3 or 6

KSS 4320 - Organization, Administration, and Curriculum in K-12 Physical Education.

(3-0-3) On Demand. Administrative theory and philosophy, management structures for teacher certification Physical Education and sport programs, curriculum theory and application, school program structure, facility and fiscal management, legal liability, public relations, and new trends in school Physical Education and Athletic Programs. **Prerequisites & Notes:** Grade of 'C' or better in KSS 1500. Restricted to Kinesiology & Sports Studies teacher certification majors and minors. Credits: 3

KSS 4325 - Organization and Administration in Sport Management and Exercise Science.

(3-0-3) On Demand. Analysis and application of organizational and administrative theories, concepts, and practices essential to implementing a successful program in an exercise and sport-related setting. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440. Preference is given to students in the concentrations of Exercise Science and Sport Management in Kinesiology & Sports Studies. WI Credits: 3

KSS 4326 - Psychosocial Aspects of Sport and Physical Activity.

(3-0-3) On Demand. Psychosocial Aspects of Sport. This course will analyze current trends in sport and physical activity organizations from a psychological and sociological perspective. Topics will be addressed from each perspective and emphasis will be placed on understanding issues from both an individual as well as an organizational perspective. **Prerequisites & Notes:** KSS 4325. The course is restricted to Sport Management majors in the Kinesiology and Sports Studies Department. Credits: 3

KSS 4327 - Ethics in Sports.

(3-0-3) This course offers an introduction to ethics within the sporting context. The values promoted within sport will be examined along with common ethical dilemmas faced by those involved in sport. The course will cover issues ranging from fair play to sportsmanship to Title IX and drug use for performance enhancement. **Prerequisites & Notes:** KSS 4325. The prerequisite course may not be taken concurrently with KSS 4327. Course restricted to Kinesiology and Sports Studies majors and may not be repeated. Credits: 3

KSS 4328 - Governance in Sport.

(3-0-3) F, S. Examination of governance in the sport industry at the international, professional, collegiate, and amateur levels, including analysis of organizational structure, authority and functions, policy development, membership requirements, sanctions and appeal processes, and the influence of governmental bodies and sports commissions on sport governing bodies. **Prerequisites & Notes:** KSS 4325. The prerequisite course may not be taken concurrently with KSS 4328. Course restricted to Kinesiology and Sports Studies majors and may not be repeated. Credits: 3

KSS 4340 - Principles of Exercise Physiology.

(3-0-3) F, S. The course is designed to provide the prospective physical educator and paramedical personnel with an understanding of the physiological factors which affect human performance. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440; or permission of Department Chair. Credits: 3

KSS 4440 - Physical Fitness Appraisal and Performance Assessment.

(2-2-3) F, S. A study of the basic scientific components of fitness and the measurement of different indices of physical fitness common to corporate, clinical, and laboratory settings. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, KSS 2440, and KSS 4340. Credits: 3

KSS 4450 - Exercise Prescription for General and Special Populations.

(2-2-3) On Demand. The application of exercise science principles to the design and implementation of exercise programs for general and special populations. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, KSS 2440, KSS 4340, and KSS 4440. Fee. Credits: 3

KSS 4460 - Principles of Resistance Training.

(3-0-3) On Demand. Application of scientific principles towards the development of safe and effective resistance training programs designed to improve general health and physical performance in various populations. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, KSS 2440, KSS 4340, and KSS 4440. Credits: 3

KSS 4470 - Measurement and Evaluation in Physical Education.

(3-0-3) F, S. Selection and administration of physical measurements and written tests commonly used in physical education. Credits: 3

KSS 4500 - Research and Statistics in Kinesiology and Sports Studies.

(3-0-3) F, S. This course provides majors within the Department of Kinesiology and Sports Studies an introduction to the practical aspects of research and statistics in but not limited to: athletic training, physical education, exercise science and sport management. This course contains advanced content and it is only intended for students currently majoring in the Department of Kinesiology and Sports Studies. **Prerequisites & Notes:** KSS 3900 or permission of the Department Chair. Course may not be repeated. Credits: 3

KSS 4741 - Independent Study.

(Arr.-Arr.-1-3) As arranged. Note: May be repeated once; the maximum amount of credit which may be earned is six semester hours. **Prerequisites & Notes:** Junior status and Permission of Department Chairperson. Credits: 1 to 3

KSS 4760 - Sport Law.

(3-0-3) F, S. A survey of the law of liability, negligence and tort in sport (including coaching) and fitness agencies. Pertinent concepts related to owning and operating a fitness club and legal constraints affecting the operation of athletic facilities will be included. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440; or permission of the department chair. Credits: 3

KSS 4761 - Sport Management and Administration.

(3-0-3) F, S. Concepts, administrative processes, systems and styles with theoretical application to leadership in various sport and fitness environments. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440; or permission of the department chair. Credits: 3

KSS 4762 - Publicity in Sports.

(3-0-3) F, S. Applications and protocol of sports publicity strategies. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 1500, and KSS 2440; or permission of the department chair. Credits: 3

KSS 4880 - Theory of Motor Behavior.

(3-0-3) Su. On Demand. A study of the factors influencing human movement and skill learning. Emphasis will be placed upon theories and concepts relating to motor skill performance. The course is restricted to majors in the Kinesiology and Sports Studies Department. Credits: 3

KSS 4900 - Special Topics in Kinesiology and Sports Studies.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900A - Special Topics: Sports Events Management.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900B - Special Topics: Psychology of Injuries.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900D - Special Topics: Pediatrics/Exercise Physiology.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900E - Special Topics: Exercise in Extreme Conditions.

(1-0-1) F, S. A study of the responses to the human body during acute and chronic exercise in extreme conditions e.g. high altitude, hot weather, cold weather, etc. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900F - Special Topics: Effects of Cardiopulmonary Medications on the Exercise Response.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900H - Special Topics: Pulmonary/Exercise Physiology.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900I - Special Topics: Fundraising in Sport.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900J - Special Topics: EKG/Exercise Physiology

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900K - Special Topics: Clinical Exercise Physiology.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900L - Special Topics: Ethics in Sport & Exercise Industry.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900M - Special Topics: Nutrition/Exercise Physiology.

(1-0-1) F, S. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Grade of C or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chair. Credits: 1

KSS 4900P - Special Topics: Pharmacology/Exercise Physiology.

(1-0-1) F, S. The study of drugs and their origin, nature, properties, and effects on living organisms as related to athletic training. Study of special topics and contemporary issues and trends in Exercise Physiology and Sport Management. Three different special topics classes may be taken for up to three undergraduate and/or three graduate credits with permission of KSS advisor or Department Chairperson. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chairperson. Credits: 1

KSS 4900R - Special Topics: Resistance Exercise

(1-0-1) F, S. This course covers special topics on resistance exercise with the overall objective of creating a greater understanding of the theory and practical application behind such exercise. Special topics include: systematic physiological responses and adaptations, ergogenic aids, program design, current research findings, addressing muscle imbalances and injury prevention, and resistance exercise prescription for special populations such as children, elderly, and pregnant women. **Prerequisites & Notes:** Grade of "C" or better in BIO 2001G, KSS 2440, and 4340; or permission of the Department Chairperson. Credits: 1

KSS 4980 - Advanced Coaching/"Name of Sport"

(1-0-1) Su. Study of advanced coaching techniques, strategies, and trends in a particular sport. May be repeated with different sports for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Coaching course of the particular sport or permission of Department Chair. Credits: 1

KSS 4980A - Advanced Coaching Distance Running.

(1-0-1) Su. Study of advanced coaching techniques, strategies, and trends in a particular sport. May be repeated with different sports for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Coaching course of the particular sport or permission of Department Chair. Credits: 1

KSS 4980B - Advanced Coaching Football.

(1-0-1) Su. Study of advanced coaching techniques, strategies, and trends in a particular sport. May be repeated with different sports for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chairperson. **Prerequisites & Notes:** Coaching course of the particular sport or permission of Department Chair. Credits: 1

KSS 4980T - Advanced Coaching of Track & Field.

(1-0-1) Su. This course covers basic and advanced coaching techniques applied to the various events associated with interscholastic track and field. Both field and running events are highlighted, analyzed and critiqued. Speed, power and endurance training methods are addressed as they apply to the various events in track and field. Meet and practice organization and management are highlighted and discussed. Periodized season long training methods for the various events are covered as are general safety issues unique to track and field events. The course also includes sessions of hand-on training and practice in several of the discussed technical events. **Prerequisites & Notes:** Coaching course of the particular sport or permission of Department Chair. Credits: 1

LATIN AMERICAN STUDIES (LAS)

LAS 4400 - Latin American Studies.

(Arr.-Arr.-3) On Demand. Individual study of a topic of the student's choice under the direction of a faculty member approved by the Chairperson of the Latin American Studies Committee. The student must submit and receive approval of a detailed study plan prior to central registration. **Prerequisites & Notes:** Enrollment in the Latin American Studies minor; consent of supervising faculty member and permission of the Chairperson of the Latin American Studies Committee. Credits: 3

MANAGEMENT (MGT)

MGT 3450 - Human Resource Management.

(3-0-3) F, S. A survey of concepts relating to the personnel function: Recruitment, selection, compensation, labor relations, training and development, and performance appraisal. **Prerequisites & Notes:** BUS 3010 and admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MGT 3470 - Commercial Law.

(3-0-3) F, S. A survey of law of sales, commercial paper, secured transactions, debtor-creditor law, and bankruptcy. **Prerequisites & Notes:** BUS 2750, junior standing, and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 3480 - Law of Business Organizations.

(3-0-3) On Demand. A survey of the law of agency, partnerships, corporations, insurance, real estate and estates. **Prerequisites & Notes:** BUS 2750, junior standing, and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 3800 - Introduction to Operations Research.

(3-0-3) On Demand. An introduction to, and survey of, the quantitative methods and techniques of modern science to today's problem of management decision-making. Topics include linear programming, network models, decision theory, and queuing theory. Includes application of computer software solution techniques. **Prerequisites & Notes:** MAT 2110G or MAT 2120G, junior standing, admission to the School of Business or majoring in math or chemistry with a concentration in Chemistry Management or permission of the Associate Chair. Credits: 3

MGT 3830 - Managerial Communications.

(3-0-3) F, S. A study of the preparation, organization, and presentation of written and oral research-oriented reports required for job-related assignments based on business or technical positions. **Prerequisites & Notes:** WC Junior standing and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 3900 - Employment Law.

(3-0-3) S. A study of the social and legal framework governing regulation of human resources management, including ethical principles, case law, statutes, and administrative rules. Topics include common law employment principles, federal and state regulation including equal employment opportunity laws, sexual harassment law, workers' compensation, wage and hour statutes, and labor relations. **Prerequisites & Notes:** BUS 2750, BUS 3010 and admission to the School of Business. Credits: 3

MGT 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business. Additional prerequisites to be determined by the topic(s) to be covered. Credits: 1 to 15

MGT 4275 - Internship in Management.

(Arr.-Arr. -1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of management knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3010, and approval of Internship Learning Agreement by the School of Business Associate Chair. Credits: 1 to 15

MGT 4275A - Internship in Management I.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of management knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3010, and approval of Internship Learning Agreement by the School of Business Associate Chair.

MGT 4310 - Organizational Behavior.

(3-0-3) F, S. A study of concepts and theories relating to the behavior of individuals and groups in organizations. **Prerequisites & Notes:** BUS 3010 and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 4330 - Entrepreneurial Law.

(3-0-3) On Demand. A study of the laws, legal issues, and ethical issues affecting entrepreneurs and small businesses from business start up through daily operations to termination. **Prerequisites & Notes:** BUS 2750 and junior standing. Credits: 3

MGT 4340 - Strategic Quality Management.

(3-0-3) F. Fundamentals of the principles, philosophies, and tools of quality management. This course provides an overview of historical and current approaches including Deming's principles, the Malcolm Baldrige Award, Six Sigma, and ISO 9000 with emphasis on understanding statistical process control, control charts, and acceptance sampling. **Prerequisites & Notes:** BUS 3010, BUS 3950, and admission to the School of Business or permission of the Chair. Credits: 3

MGT 4370 - Compensation Management.

(3-0-3) F. A comprehensive analysis of the compensation management processes and practices in organizations. **Prerequisites & Notes:** BUS 3010, MGT 3450, MGT 3900, and admission to the School of Business or permission of the Chair, School of Business. Credits: 3

MGT 4500 - Employee Staffing and Development.

(3-0-3) S. A study of human resource management with an emphasis on staffing and development functions. Topics include workforce planning, recruitment, selection, training and development in human resource management. **Prerequisites & Notes:** MGT 3450 and MGT 3900 and admission to the School of Business or permission of the Chair. Credits: 3

MGT 4550 - Current Issues in Human Resources Management.

(3-0-3) On Demand. A study of the current issues in Human Resource Management (HRM). Topics include current trends, issues and their applications in HRM. **Prerequisites & Notes:** MGT 3450 and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 4600 - International Business Policy and Operation.

(3-0-3) On Demand. Contemporary theories and practices in management of international business firms. **Prerequisites & Notes:** Junior standing, BUS 3200 or ECN 3860 or permission of the instructor, and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 4650 - Management Seminar.

(3-0-3) F, S. Capstone seminar in management focusing on current issues. Students will integrate key management approaches into a framework for analyzing issues in the current global business environment. **Prerequisites & Notes:** MGT 3450, MGT 3830, MGT 4310, and senior standing. Course is limited to senior management majors. Credits: 3

MGT 4700 - Special Topics in Management.

(3-0-3) On Demand. A study of management techniques: What they are, how to use them, and the results that might be expected from their application. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** BUS 3010, admission to the School of Business or permission of the School of Business Associate Chair. Specific additional prerequisites will depend on the topic. Credits: 3

MGT 4740 - Independent Study

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3010, senior standing, cumulative grade-point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by the School of Business Associate Chair, prior to registration. Credits: 1 to 6

MGT 4800 - Management of Innovation and Technology.

(3-0-3) On Demand. Study of the development, adoption and implementation of new technology in industry. The focus is on the integration of business and technology strategies. Cross-listed with AET 4800. **Prerequisites & Notes:** Senior standing and admission to the School of Business or permission of the Associate Chair. Credits: 3

MGT 4850 - Project Management.

(3-0-3) F, S. An introduction to project management principles, methods, and tools used to plan, organize, and control projects. Students are required to use project management software. **Prerequisites & Notes:** BUS 3010, BUS 3500, BUS 3950, and admission to the School of Business or permission of the chair. Credits: 3

MGT 4950 - Management Consulting Research.

(Arr.-Arr.-3) On Demand. Students in this course will be provided with the opportunity to perform consulting service for small business firms in east central Illinois. Course may be repeated once. **Prerequisites & Notes:** Senior or graduate standing in the School of Business and admission to the School of Business or the permission of the School of Business Associate Chair. Credits: 3

MANAGEMENT INFORMATION SYSTEMS (MIS)**MIS 2000 - Information Systems Careers and Logic Skills.**

(3-0-3) F, S. An introduction to career paths and the tools and methods of formal logic mandatory to produce business application programs. Includes the application of Visual Basic (VB) to illustrate and extend the methodology being presented. **Prerequisites & Notes:** BUS 1950 or equivalent. Course may not be repeated. Credits: 3

MIS 3200 - Networking Fundamentals.

(3-0-3) F, S. Study of business telecommunications, teleprocessing, and computer networks. Installing, configuring and administering local area networks. **Prerequisites & Notes:** BUS 1950 and junior standing and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 3300 - Business Programming in COBOL.

(3-0-3) S. Computer programming and reporting for file-oriented, computerized information systems utilizing the COBOL language. Additional topics include COBOL sorting routines, table handling features, structured coding techniques and sequential disk organization. **Prerequisites & Notes:** MIS 2000 or MAT 2170, junior standing, and admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MIS 3330 - Java Programming.

(3-0-3) F. A study of object oriented programming using the Java language. Includes program structure, data types, operators, input/output statements, arrays and the Swing components of the graphical interface. Emphasizes the development of objects, including the concepts of polymorphism, encapsulation and inheritance. **Prerequisites & Notes:** MIS 2000 or MAT 2170 and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 3355 - MVS Control Languages and Utilities.

(3-0-3) On Demand. A study of the MVS Job Control Language, including the creation of load module library, compilation to library and batch execution of load modules in complex job streams. Includes a discussion of two - library system for test and load modules. Emphasis on utilities for file backups, load modules implementation and file management. **Prerequisites & Notes:** MIS 3300 and admission to the School of Business or permission of the Associate Chair, School of Business. Credits: 3

MIS 3505 - Advanced Microcomputer Applications and Development.

(3-0-3) On Demand. The advanced study of microcomputer business systems using databases and spreadsheets for problem solving and productivity. Customizing microcomputer operating environments. Emphasis on the development of applications for end-user computing. **Prerequisites & Notes:** BUS 1950, junior standing, and admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MIS 3515 - Information Presentation.

(3-0-3) On Demand. The study of design principles for business presentations and documents. Development of illustration skills to effectively use graphics. Photo editing for restoration, enhancement, and creation of digital images. **Prerequisites & Notes:** BUS 1950 and junior standing and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 3530 - Business Web Site Design.

(3-0-3) F. Fundamentals of designing effective web sites including graphics and animation using web application software. Some HTML and JavaScript will be introduced. Students will develop web sites with a focus on information architecture and usability standards for business web sites. **Prerequisites & Notes:** BUS 1950 and junior standing and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 3725 - Telecommunications Programming with Visual Basic.

(3-0-3) On Demand. Programming with Visual BASIC with emphasis on designing front-ends for use in a client-server LAN environment. Topics such as accessing databases with SQL and ActiveX controls, advanced Windows common controls, and developing dynamic HTML applications are included. **Prerequisites & Notes:** MIS 3000, MIS 3200, and admission to the School of Business or permission of the Associate Chair, School of Business. Credits: 3

MIS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business. Additional prerequisites to be determined by the topic(s) to be covered. Credits: 1 to 15

MIS 4200 - Systems and Database Analysis, Design, and Development.

(3-0-3) F, S. A study of the systems development life cycle and relational and object-oriented databases. Includes the use of CASE tools and client/server database software. **Prerequisites & Notes:** MIS 2000; BUS 3500; and admission to the School of Business or to a minor offered by the School of Business. Credits: 3

MIS 4275 - Internship in Management Information Systems.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of computer information systems knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, MIS 3000, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

MIS 4275A - Internship in Management Information Systems I.

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of computer information systems knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, MIS 3000, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

MIS 4300 - File Organization with COBOL.

(3-0-3) F. A study of disk file structures, organization and file management methods. Advanced COBOL concepts are used in a file-processing environment. Emphasis on indexed file structures, and sequential, random, and dynamic access methods by both primary and alternate keys. Includes disk file organization, creation, storage, retrieval, maintenance and security, system integration testing, to include writing test plans, executing test cases and tracking defects. **Prerequisites & Notes:** MIS 3300, junior standing, or permission of chair. Credits: 3

MIS 4330 - Advanced Java Programming.

(3-0-3) S. A study of the object paradigm with emphasis on graphics development, gaming theory and design, threads, database retrieval and update, applets, packages, and security in the java language. **Prerequisites & Notes:** MIS 3330 and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 4530 - Web Application Development

(3-0-3) S. Development of web-based applications, including client-side and server-side scripting languages, database interfaces, XML, web services, and design concepts. **Prerequisites & Notes:** MIS 2000, MIS 3530, and BUS 3500. Credits: 3

MIS 4600 - Special Topics in Management Information Systems.

(Arr.-Arr.-1-3) On Demand. Current research and practices in Management Information Systems. Topics to be announced. . Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business or permission of the School of Business Associate Chair. Specific prerequisites will depend on the topic. Credits: 1 to 3

MIS 4700 - Advanced Networking.

(3-0-3) F. Internetworking concepts, advanced internetwork design, security, and administration. Enterprise network design, management and user administration. WAN data analysis and troubleshooting. **Prerequisites & Notes:** MIS 3200 and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MIS 4740 - Independent Study.

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, MIS 3000, senior standing, cumulative grade-point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by the School of Business Associate Chair prior to registration. Credits: 1 to 6

MIS 4850 - Systems Security.

(3-0-3) F. Study of theories, principles and techniques of systems security. The course covers basic security concepts, communications security, infrastructure security, cryptography, as well as operational and organizational security. **Prerequisites & Notes:** BUS 3500 or ACC 3900, and admission to the School of Business or to a minor offered by the School of Business or permission of the Chair, School of Business. Credits: 3

MARKETING (MAR)

MAR 3490 - Business-to-Business Marketing.

(3-0-3) On Demand. Development of comprehensive programs of product, pricing, promotion, and distribution strategies for marketing to businesses and not-for profit organizations. **Prerequisites & Notes:** BUS 3470, and admission to School of Business or permission of the Associate Chair. Credits: 3

MAR 3550 - Marketing Professionalism and Management.

(3-0-3) F, S. This course is an intermediate course that builds on knowledge from principles of marketing to prepare students to make operational decisions within the product, place, promotion and price areas. The course develops student ability to find and organize information used for decision-making. The course introduces the format of a comprehensive marketing strategy and prepares students for the advanced, integrative, Marketing Strategies course. **Prerequisites & Notes:** BUS 3470, admission to the School of Business or permission of Associate Chair. This course is restricted to marketing majors and is a required course for the major. Credits: 3

MAR 3720 - Consumer Behavior.

(3-0-3) F, S. A study of how and why people obtain, consume, and dispose of products: the role of the consumer in marketing. **Prerequisites & Notes:** BUS 3470 and admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MAR 3780 - Promotion Management.

(3-0-3) F, S. Development of comprehensive, non-personal, promotional campaigns to effectively communicate product offerings and organizational messages to target audiences. **Prerequisites & Notes:** BUS 3470 and admission to the School of Business or to a minor offered by the School of Business or to the Advertising Minor or permission of the Associate Chair. Credits: 3

MAR 3860 - Marketing Research.

(3-0-3) F, S. Nature and scope of marketing research; scientific method and research designs; specific marketing research procedures; research report and follow-up; and problems. **Prerequisites & Notes:** BUS 2810, BUS 3470, and admission to the School of Business or to the Advertising Minor or permission of the Associate Chair. Credits: 3

MAR 3875 - Retail Management.

(3-0-3) F, S. The objective of the course is to provide a framework for analyzing internal and external environment factors which affect the firm's retailing activities. Emphasis is placed on the firm's decisions and policies relating to demand analysis, spatial decisions, merchandise policies, pricing strategy, and promotion activities. Consideration is also given to retail control methods. **Prerequisites & Notes:** BUS 3470 and Admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MAR 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** Admission to the School of Business. Additional prerequisites to be determined by the topic(s) to be covered. Credits: 1 to 15

MAR 4100 - Special Topics in Marketing.

(3-0-3) On Demand. Special topics in marketing. Topics to be announced. . Course may be repeated once, with permission of the School of Business Associate Chair, as topics change. **Prerequisites & Notes:** BUS 3470, admission to the School of Business or permission of the School of Business Associate Chair. Specific additional prerequisites will depend on the topic. Credits: 3

MAR 4275 - Internship in Marketing

(Arr.-Arr.-1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of marketing knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3470, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

MAR 4275A - Internship in Marketing I.

(Arr.-Arr. -1-15) (Credit/No Credit) Monitored work or service experience requiring development and application of marketing knowledge and skills. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS 3470, and approval of Internship Learning Agreement by School of Business Associate Chair. Credits: 1 to 15

MAR 4400 - Services Marketing.

(3-0-3) On Demand. An in-depth exploration of the marketing of services highlighting the distinctions between marketing tangible products and services. **Prerequisites & Notes:** Completion of BUS 3470. Admission to the School of Business or permission of the Chair of the School of Business. Course may not be repeated. Credits: 3

MAR 4470 - Professional Sales.

(3-0-3) F, S. Students develop professional sales presentations through the application of both oral and written communication skills in the determination and satisfaction of buyers' needs. **Prerequisites & Notes:** BUS 3470 and admission to the School of Business or permission of the Associate Chair. Credits: 3

MAR 4480 - Sales Management.

(3-0-3) S. This course encompasses the study of the marketing management function of planning, organizing, directing, and evaluating the sales efforts, emphasizing effective structure, supervision, and evaluation of the outside sales force and the sales support organization. **Prerequisites & Notes:** MAR 4470 and admission to the School of Business or permission of the Associate Chair. Credits: 3

MAR 4490 - International Marketing.

(3-0-3) F, S. Study of marketing from the international perspective. Emphasis is placed on necessary modifications of marketing strategy and practice related to global pricing and distribution, product planning, and promotions due to cultural, economic, environmental and legal differences. **Prerequisites & Notes:** BUS 3470 and admission to the School of Business or to a minor offered by the School of Business or permission of the Associate Chair. Credits: 3

MAR 4700 - Marketing Strategies.

(3-0-3) F, S. A study of the analysis, planning, implementation and control of marketing activities which are designed to achieve consumer satisfaction and the objectives of the organization. **Prerequisites & Notes:** BUS 3470, MAR 3550, MAR 3720, MAR 3860, senior standing, and admission to the School of Business or permission of the Associate Chair. Credits: 3

MAR 4740 - Independent Study

(Arr.-Arr.-1-6) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Course may be repeated once. **Prerequisites & Notes:** Admission to the School of Business, BUS3470, senior standing, cumulative grade-point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by the School of Business Associate Chair, prior to registration. Credits: 1 to 6

MATHEMATICS & COMPUTER SCIENCE (MAT)

MAT 1020 - Diagnostic Mathematics.

(0-3-1) F, S. (Credit/No Credit) MAT 1020 is not a specific course but an opportunity for those students who are under-prepared in the area of mathematics. This course is designed for elementary and middle level education majors and is to be taken simultaneously with MAT 1420. The purpose of this course is to strengthen the mathematical skills needed to successfully complete MAT 1420. Does not count toward graduation; does not count in cumulative GPA. Credits: 1

MAT 1070 - Diagnostic Mathematics.

(0-3-1) F, S. (Credit/No Credit) MAT 1070 is not a specific course but an opportunity for those students who are under-prepared in the area of mathematics. This course is designed for students enrolled in MAT 1270 and is to be taken simultaneously with MAT 1270. The purpose of this course is to strengthen the mathematical skills needed to successfully complete the MAT 1270-1271 sequence. Does not count toward graduation; does not count in cumulative GPA. Credits: 1

MAT 1160G - Mathematics: A Human Endeavor.

(3-0-3) Development of mathematical reasoning and problem solving, through concentrated study of three or four topics. Areas may include logic, sets, probability, statistics, graph theory, number theory, and/or geometry. M1 904 **Prerequisites & Notes:** ENG 1001G. This course may not be taken by students with a high school mathematics deficiency that has not been removed. This course should not be considered as preparatory for other courses in mathematics. Credits: 3

MAT 1170G - Problem Solving.

(3-0-3) F, S. A writing-intensive course in which students are presented with challenging problems in mathematics and are required to develop their own problem solving strategies and tactics. WI **Prerequisites & Notes:** ENG 1001G. This course may not be taken by students with a high school mathematics deficiency that has not been removed. This course should not be considered as preparatory for other courses in mathematics. Credits: 3

MAT 1270 - Intermediate Algebra.

(3-0-2) F, S. Equations, exponents, absolute value, inequalities, polynomials, factoring, real and complex numbers, synthetic division, radicals, quadratic equations. (Does not count in cumulative grade point average or for graduation) **Prerequisites & Notes:** Satisfactory placement by department guidelines. Credits: 2

MAT 1271 - College Algebra.

(3-0-3) F, S. Linear and quadratic functions and inequalities; exponential, logarithmic, and inverse functions; applications to business; algebra of functions and matrices; row elimination; graphing. (Recommended as preparation for MAT 1400, 2110G, 2120G, 2190G, 2250G, and 2290G.) **Prerequisites & Notes:** Satisfactory placement by department guidelines. Credits: 3

MAT 1310 - College Trigonometry.

(2-0-2) F. Basic concepts of right triangle trigonometry with applications. Not open to math majors or students who have completed or are enrolled in MAT 1330. **Prerequisites & Notes:** (Completion of or concurrent enrollment in MAT 1271 or MAT 1400) or (placement by department guidelines). Credits: 2

MAT 1330 - Analytical Trigonometry.

(2-0-2) F, S. Analytical approach to trigonometry, its properties and applications. (Recommended as preparation for MAT 1441G.) **Prerequisites & Notes:** MAT 1271 or MAT 1400 or placement by department guidelines. Credits: 2

MAT 1340 - Analytic Geometry.

(3-0-3) S. Coordinate systems, conic sections, polar and parametric forms. **Prerequisites & Notes:** MAT 1310 or MAT 1330 or demonstrated competence in trigonometry. Credits: 3

MAT 1400 - Precalculus Mathematics.

(3-0-3) F, S. Algebraic concepts and skills needed for calculus, including such topics as the binomial theorem, sequences and series, conics, polar coordinates, parametric equations, average rates of change, and extreme values of functions. (Recommended as preparation for MAT 1441G. However, this course will not cover trigonometry, and students are encouraged to take MAT 1330 to gain trigonometric skills required in MAT 1441G.) **Prerequisites & Notes:** C or better in MAT 1271 or placement by department guidelines. Credits: 3

MAT 1420 - Mathematics for Elementary Teachers I.

(3-0-3) F, S. Development of mathematical proficiency through mathematical reasoning and problem solving. The study of algebraic concepts, whole numbers, integers, rational numbers, irrational numbers and the real number system. Open only to early childhood, elementary, middle level, or special education majors. **Prerequisites & Notes:** Placement by ACT Mathematics score. Credits: 3

MAT 1441G - Calculus and Analytic Geometry I.

(5-0-5) F, S. Limits, continuity, and derivatives for functions of one variable, applications of the derivative, the definite integral, applications of the integral. M1 900; EGR 901; MTH 901 **Prerequisites & Notes:** Placement by department guidelines, or C or better in both MAT 1330 and MAT 1400. Credits: 5

MAT 2110G - Brief Calculus with Applications.

(3-0-3) F, S. Differentiation and integration of polynomial, rational, exponential, and logarithmic functions, with applications to business and social science. M1 900 **Prerequisites & Notes:** MAT 1271 with a C or better, or satisfactory placement by department guidelines. Credits: 3

MAT 2120G - Finite Mathematics.

(3-0-3) F, S. Elementary counting theory, probability, and linear programming, with applications to business and social science. M1 906 **Prerequisites & Notes:** MAT 1271 with a C or better, or satisfactory placement by department guidelines. Credits: 3

MAT 2170 - Computer Science I.

(3-2-4) F, S. The development of algorithmic solutions to numeric and non-numeric problems. Implementation in a block-structured programming language such as C++. EGR 922; CS 911; MTH 922 **Prerequisites & Notes:** Credit for or concurrent enrollment in MAT 1441G or MAT 2110G. Credits: 4

MAT 2190G - Finite Mathematics, Honors.

(3-0-3) On Demand. Elementary counting theory, probability, and linear programming, with applications to business and social science. M1 906 **Prerequisites & Notes:** MAT 1271 with a C or better, or satisfactory placement by department guidelines, and admission to the University Honors College. Credits: 3

MAT 2250G - Elementary Statistics.

(4-0-4) F, S. Descriptive and inferential statistics including measures of central tendency and dispersion, confidence intervals, and hypothesis testing. Recommended as a first course in statistics. Not open to mathematics majors. M1 902; M1 906 **Prerequisites & Notes:** MAT 1271; or satisfactory placement by department guidelines. Credits: 4

MAT 2270 - Technology in Mathematics.

(2-1-3) S. The focus of this course is how to use technology to investigate, model, simulate, and solve mathematical problems. Authentic and involved mathematical tasks and situations will be presented from a broad range of topics. Attention is given to the appropriate uses of technology and the potential drawbacks of technology in the secondary classroom. Laboratory experiences will include (but are not limited to) graphing calculators, Computer Algebra Systems, statistical tools, and dynamic geometry software. **Prerequisites & Notes:** MAT 2170. Credits: 3

MAT 2290G - Elementary Statistics, Honors.

(4-0-4) On Demand. Descriptive and inferential statistics, including measures of central tendency and dispersion, confidence intervals, and hypothesis testing. Recommended as a first course in statistics. Not open to mathematics majors. M1 902 **Prerequisites & Notes:** MAT 1271 or satisfactory placement by department guidelines, and admission to the University Honors College. Credits: 4

MAT 2345 - Elements of Discrete Mathematics.

(3-0-3) F. Survey of discrete structures and methods. Includes set theory, graph theory, recurrence relations, analysis of algorithms and Boolean algebras. M1 905; CS 915 **Prerequisites & Notes:** MAT 1441G or permission of the instructor. Credits: 3

MAT 2420G - Mathematics for Elementary Teachers II.

(3-0-3) F, S. Study of geometric relationships, probability, and statistics using a problem solving approach. Topics include geometry, measurement, probability, and working with data. Open only to early childhood, elementary, middle level, or special education majors. M1 903 **Prerequisites & Notes:** MAT 1420, with grade of C or better. This course may not be taken by students with a high school mathematics deficiency that has not been removed. Credits: 3

MAT 2442 - Calculus and Analytic Geometry II.

(5-0-5) F, S. Transcendental functions, techniques of integration, further applications of the integral, parametric equations and polar coordinates, infinite sequences and series. M1 900; EGR 902; MTH 902 **Prerequisites & Notes:** C or better in MAT 1441G. Credits: 5

MAT 2443 - Calculus and Analytic Geometry III.

(4-0-4) F, S. Three-dimensional analytic geometry and vectors, differential calculus of multivariate functions, integral calculus of multivariate functions, line and surface integrals. M1 900; EGR 903; MTH 903 **Prerequisites & Notes:** C or better in MAT 2442. Credits: 4

MAT 2550 - Introduction to Linear Algebra.

(3-0-3) F, S. The study of linear algebra and its applications. **Prerequisites & Notes:** MAT 1441G. Credits: 3

MAT 2670 - Computer Science II.

(3-2-4) F. Intermediate programming techniques with emphasis on object oriented design, recursion as a problem solving strategy, event-driven programming, graphical user interface design, and software engineering principles. All programming will be done in an object-oriented programming language (such as Java, C++, or Python). CS 912 **Prerequisites & Notes:** "C" or better in MAT 2170. Credits: 4

MAT 2800 - Foundations of Mathematics.

(3-0-3) F, S. An introduction to the foundations of mathematics. The course emphasizes the material needed as background for upper division mathematics and the tools necessary for mathematical thought. **Prerequisites & Notes:** C or better in MAT 2442. Credits: 3

MAT 3271 - College Geometry I.

(3-0-3) F, S. The study of geometry including a review of elementary geometry. Euclidean and transformation geometries. **Prerequisites & Notes:** C or better in MAT 2800. Credits: 3

MAT 3272 - College Geometry II.

(3-0-3) S. The study of selected topics in advanced Euclidean geometry, non-Euclidean, projective and inversion geometries. **Prerequisites & Notes:** C or better in MAT 3271. Credits: 3

MAT 3400 - Teaching Secondary Mathematics.

(3-2-4) F, S. Methods and materials for teaching mathematics in grades 7-12. Thirty clock hours in pre-student teaching are required. **Prerequisites & Notes:** (MAT 2270 and MAT 3271 and credit for or concurrent enrollment in MAT 3530) and ((EDP 3331 and SED 3330 for regular teacher certification option) or (SED 3000 and 3100 for ISEP students)). Credits: 4

MAT 3420 - Teaching Mathematics in Grades PreK-6.

(2-2-2) F, S. The study of curriculum, methods, and materials for teaching mathematics in grades Pre-K through 6. Open only to early childhood, elementary, middle level, or special education majors. **Prerequisites & Notes:** MAT 1420 with a C or better, and MAT 2420G with a C or better. Credits: 2

MAT 3501 - Differential Equations I.

(3-0-3) F, S. Formal solutions of ordinary differential equations: a critical analysis of some elementary types; envelopes, trajectories, Laplace transformations, applications. EGR 904; MTH 912 **Prerequisites & Notes:** C or better in MAT 2442. Credits: 3

MAT 3502 - Differential Equations II.

(3-0-3) S. Systems of differential equations, series solutions, approximations to solutions, Laplace transformations, partial differential equations, boundary value problems. **Prerequisites & Notes:** MAT 2443 and 3501. Credits: 3

MAT 3530 - Abstract Algebra.

(3-0-3) F, S. An introduction to abstract algebra including: operations and relations, mappings, groups, rings, and fields. **Prerequisites & Notes:** MAT 2550 and C or better in MAT 2800. Credits: 4

MAT 3570 - Numerical Analysis.

(3-0-3) S. Construction of algorithms for interpolation, quadrature, solution of equations and systems, solutions of ordinary differential equations. **Prerequisites & Notes:** MAT 2170 and MAT 2443 and MAT 2550. Credits: 3

MAT 3620 - Teaching Mathematics 6-9.

(2-2-3) F, S. The study of methods and materials for teaching mathematics in grades six through nine. Restricted to students in the curriculum for elementary middle school, junior high, or special education teachers. **Prerequisites & Notes:** MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 3

MAT 3670 - Principles of Computer Systems.

(2-2-3) F. Computer organization, data representation, instruction sets, syntax and semantics of assembly language programming, the assembly process, implementation of subroutines, I/O and interrupts. **Prerequisites & Notes:** MAT 2170 or MIS 3300. Credits: 3

MAT 3701 - Probability and Statistics I.

(3-0-3) F, S. Basic concepts of probability and statistics. **Prerequisites & Notes:** MAT 2443. Credits: 3

MAT 3702 - Probability and Statistics II.

(3-0-3) F, S. Basic concepts of probability and statistics. **Prerequisites & Notes:** C or better in MAT 3701. Credits: 3

MAT 3770 - Combinatorial Computing.

(3-0-3) S. Enumeration and counting-- generating functions and recurrence relations; graph theory-- trees, circuits, outsets, transport networks; computational aspects of combinatorics. **Prerequisites & Notes:** MAT 2345 or permission of instructor. Credits: 3

MAT 3800 - Seminar in Mathematics.

(2-0-2) S. Seminar in topics which are not covered under the usual course offerings of the Department of Mathematics. More than one section in more than one topic possible each semester. **Prerequisites & Notes:** Permission of instructor. Credits: 2

MAT 3870 - Data Structures.

(3-0-3) F. Introduction to the design and analysis of data structures and their related algorithms; lists, stacks, queues, trees, heaps and graphs; sorting and searching. C++ or another object-oriented language will be used for any implementations. **Prerequisites & Notes:** MAT 2345 and MAT 2670 or permission of instructor. Credits: 3

MAT 42751 - Internship in Mathematics and Computer Science I.

(Arr.-Arr.-10 to 15; 1-5 during intersession provided there is concurrent registration in the summer term.) (Credit/No Credit) On Demand. Employment experience in computational mathematics for one semester, in an approved firm or agency. This course to be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once. **Prerequisites & Notes:** Credit applicable for graduation only in Mathematics and Computer Science major. Acceptance of the student by a firm on the basis of the student's application and permission of the chairperson of the Mathematics Department. Permission may be denied if the student does not have an overall GPA of at least 2.50 and a major grade-point average of at least 2.75. Credits: 10 to 15

MAT 42752 - Internship in Mathematics and Computer Science II.

(Arr.-Arr.-10 to 15; 1-5 during intersession provided there is concurrent registration in the summer term.) (Credit/No Credit) On Demand. Employment experience in computational mathematics for one semester, in an approved firm or agency. This course to be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. May be repeated once. **Prerequisites & Notes:** Credit applicable for graduation only in Mathematics and Computer Science major. Acceptance of the student by a firm on the basis of the student's application and permission of the chairperson of the Mathematics Department. Permission may be denied if the student does not have an overall GPA of at least 2.50 and a major grade-point average of at least 2.75. Credits: 10 to 15

MAT 4335 - Topics in Mathematics.

(3-0-3) On Demand. Selected topics in advanced mathematics. Topics may vary depending on student and faculty interests. May be repeated for credit, with change of topic. **Prerequisites & Notes:** Permission of the instructor. Credits: 3

MAT 4345 - Topics in Applied Mathematics.

(3-0-3) On Demand. Selected topics in applied mathematics. Topics may vary depending on student and faculty interests. May be repeated for credit, with change of topic, for a maximum of six credits. **Prerequisites & Notes:** Permission of the instructor. Credits: 3

MAT 4370 - Topics in Computer Science.

(3-0-3) On Demand. Selected topics in advanced computer science. Topics may vary depending on student and faculty interests. May be repeated for credit, with change of topic, for a maximum of six credits. **Prerequisites & Notes:** Permission of the instructor. Credits: 3

MAT 44441 - Independent Study, Honors I.

(Arr.- 0, 1 to 3) On Demand. Consideration of a special area in mathematics of interest to the student, chosen with the approval of a faculty supervisor and the Departmental Honors Coordinator. Recommended as a first step toward undergraduate research (see Mathematics 45551, 45552), but by no means restricted to this purpose. May be repeated once for a maximum of six semester hours in MAT 44441, 44442 with the permission of the Department Chair and the Departmental Honors Coordinator. Note: A maximum of three semester hours may be applied toward the major. Up to three additional hours in MAT 44441, 44442 may be applied toward graduation. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MAT 4442 - Independent Study, Honors II.

(Arr.-0, 1 to 3) On Demand. Consideration of a special area in mathematics of interest to the student, chosen with the approval of a faculty supervisor and the Departmental Honors Coordinator. Recommended as a first step toward undergraduate research (see Mathematics 45551, 45552), but by no means restricted to this purpose. May be repeated once for a maximum of six semester hours in MAT 44441, 44442 with the permission of the Department Chair and the Departmental Honors Coordinator. Note: A maximum of three semester hours may be applied toward the major. Up to three additional hours in MAT 44441, 44442 may be applied toward graduation. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MAT 44901 - Independent Study I.

Arr.-Arr.-1-3) On Demand. Intensive individual study on a topic by the student under the supervision of the instructor. May be repeated once for a maximum of six semester hours in MAT 4490, 4491. Note: A maximum of three semester hours credit in MAT 44901, 44902 may be applied to the major. Three additional hours in MAT 44901, 44902 may be applied towards graduation. **Prerequisites & Notes:** Permission of departmental chairperson and instructor. Credits: 1 to 3

MAT 44902 - Independent Study II.

(Arr.-Arr.-1-3) On Demand. Intensive individual study on a topic by the student under the supervision of the instructor. May be repeated once for a maximum of six semester hours in MAT 4490, 4491. Note: A maximum of three semester hours credit in MAT 44901, 44902 may be applied to the major. Three additional hours in MAT 44901, 44902 may be applied towards graduation. **Prerequisites & Notes:** Permission of departmental chairperson and instructor. Credits: 1 to 3

MAT 44951 - Undergraduate Research Experience in Mathematics I.

(Arr.-Arr.-3) On Demand. An opportunity for a student to work one-on-one with a faculty member on a problem or topic of mutual interest, culminating in a substantial paper and an oral presentation. May be repeated once for a maximum of 6 semester hours in MAT 44951, 44952. **Prerequisites & Notes:** Senior standing and permission of faculty member and department chairperson. Limited to Mathematics majors and Mathematics and Computer Science majors. Credits: 3

MAT 44952 - Undergraduate Research Experience in Mathematics II.

(Arr.-Arr.-3) On Demand. An opportunity for a student to work one-on-one with a faculty member on a problem or topic of mutual interest, culminating in a substantial paper and an oral presentation. May be repeated once for a maximum of 6 semester hours in MAT 44951, 44952. **Prerequisites & Notes:** Senior standing and permission of faculty member and department chairperson. Limited to Mathematics majors and Mathematics and Computer Science majors. Credits: 3

MAT 45551 - Honors Research I.

(Arr.-0-1 to 3) On Demand. The student chooses and pursues an original research problem under the guidance of a faculty mentor and prepares a written report of the results. Expository topics of sufficient originality may be considered. May be repeated once with Department Chair approval. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MAT 45552 - Honors Research II.

(Arr.-0-1 to 3) On Demand. The student chooses and pursues an original research problem under the guidance of a faculty mentor and prepares a written report of the results. Expository topics of sufficient originality may be considered. May be repeated once with Department Chair approval. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MAT 4644 - Honors Thesis.

(Arr.-0-3) On Demand. Preparation of a written thesis on a topic in mathematics approved by a faculty advisor and the Departmental Honors Coordinator. Expository topics of sufficient originality may be considered. Involves intensive research and writing. Prior completion of at least one semester of Honors Research, MAT 45551 or 45552, is recommended. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

MAT 4666 - Honors Seminar.

(2 to 4-0-2 to 4) On Demand. Seminar on a selected area of mathematics. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 2 to 4

MAT 4750 - Linear Programming.

(3-0-3) F. A study of linear inequalities, linear programming problems and the techniques for solving linear programming problems by the simplex method. **Prerequisites & Notes:** MAT 2442 and (MAT 2550 or 4760). Credits: 3

MAT 4760 - Linear Algebra.

(4-0-4) F. Vector spaces, linear transformations, dual spaces, invariant direct sum decompositions, Jordan form, inner product spaces. **Prerequisites & Notes:** MAT 2550 and 3530. Credits: 4

MAT 4780 - Mathematics of Interest.

(3-0-3) S. Compound and simple interest, annuities, amortization and sinking funds, bonds, and other topics related to insurance. **Prerequisites & Notes:** MAT 2443. Credits: 3

MAT 4800 - Diagnosis, Remediation and Technology in Teaching Mathematics, K-12.

(1-2-2) Su. The study of diagnosis, prescription, and remediation and their applications in teaching mathematics K-12, as well as the applications of modern technological advances to the teaching of mathematics. **Prerequisites & Notes:** MAT 3400 or 3420 or 3620 or permission of the instructor. Credits: 2

MAT 4810A - Topics in Geometry for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from geometry useful in elementary, middle level, and/or junior high school. May not be repeated. A maximum of 12 semester hours in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810B - Topics in the History of Mathematics for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from the history of mathematics useful in elementary, middle level, and/or junior high school such as. May not be repeated. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810D - Topics in Probability for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from probability useful in elementary, middle level, and/or junior high school such as. May not be repeated. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. Credit will not be granted for both MAT 2250G and MAT 4810D. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810E - Topics in Statistics for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from statistics useful in elementary, middle level, and/or junior high school such as. May not be repeated. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. Credit will not be granted for both MAT 2250G and MAT 4810E. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810F - Topics in Number Theory for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from number theory useful in elementary, middle level, and/or junior high school such as. May not be repeated. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810H - Topics in Computer Science for Elementary and Middle Level.

(Arr.-Arr.-1-4) F, S. Topics from computer science useful in elementary, middle level, and/or junior high school such as. May not be repeated. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810I - Topics in Elementary and Middle Level Mathematics.

(Arr.-Arr.-1-4) F, S. Topics from mathematics useful in elementary, middle level, and/or junior high school. This course may be repeated once for credit. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4810J - Topics in Elementary and Middle Level Mathematics.

(Arr.-Arr.-1-4) F, S. Topics from mathematics useful in elementary, middle level, and/or junior high school. This course may be repeated once for credit. A maximum of twelve semester hours credit in MAT 4810A-4810J may be counted toward a degree program. **Prerequisites & Notes:** High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better. Credits: 1 to 4

MAT 4830 - Introduction to Complex Analysis with Applications.

(3-0-3) S. Introduction to complex numbers, analytic functions, linear fractional transformations, the Cauchy-Goursat theorem, residues and poles. **Prerequisites & Notes:** MAT 2443. Credits: 3

MAT 4855 - Introduction to Topology.

(3-0-3) S. Introduction to topological spaces, continuous functions, connectedness, compactness, countability, separation axioms, the Tychonoff theorem, and complete metric spaces. **Prerequisites & Notes:** MAT 3530 or permission of instructor. Credits: 3

MAT 4860 - Mathematical Analysis.

(4-0-4) S. A study of limits, convergence of sequences and series, continuity, differentiation, and Riemann integration. **Prerequisites & Notes:** MAT 3530 and C or better in MAT 2443. Credits: 4

MAT 4880 - Design and Analysis of Algorithms.

(3-0-3) S. Design paradigms of algorithms such as brute-force, exhaustive search, divide-and-conquer, backtracking, greedy approach and dynamic programming. Mathematical analysis of algorithms; P, NP, and NP-complete problems; heuristics, approximation algorithms, optimality. **Prerequisites & Notes:** MAT 3870 or permission of instructor. Credits: 3

MAT 4885 - Theory of Computation.

(3-0-3) F. Proof techniques, finite automata, regular expressions and languages, properties of regular languages, context-free grammars and languages, pushdown automata, properties of context-free languages, Turing machines, and undecidability. **Prerequisites & Notes:** MAT 2670 and MAT 2345, or permission of instructor. Credits: 3

MAT 4900 - History of Mathematics.

(3-0-3) F. The Ancient Orient. The period of Ancient Greece. The Hellenistic period. Seventeenth to nineteenth century A.D. The beginnings of modern Mathematics. **Prerequisites & Notes:** MAT 2800. Credits: 3

MAT 4910 - Number Theory.

(3-0-3) Su. Divisibility, primes, congruences, solution of congruences, power residues, quadratic reciprocity, numerical functions, diophantine equations. **Prerequisites & Notes:** MAT 3530. Credits: 3

MAT 4920 - Concepts of Algebra for Elementary and Middle Level Teachers.

(3-0-3) F, S. The investigation of the conceptual foundation of algebra relevant to elementary and middle level teaching. Algebraic reasoning, generalization of mathematical patterns, models for real world phenomena, representations of algebraic ideas, and algebraic tools for mathematical problem solving. **Prerequisites & Notes:** MAT 1420 and MAT 2420G, both with a grade of C or better. Credits: 3

MAT 4970 - Principles of Operating Systems.

(3-0-3) S. Historical development of operating systems, processes, and concurrency, memory management, file systems, I/O. Case studies include UNIX, DOS, MVS. **Prerequisites & Notes:** MAT 3670 or permission of the instructor. Credits: 3

MEDIEVAL STUDIES (MDVL)**MDVL 2000G - Introduction to Medieval Studies.**

(3-0-3) On Demand. Introduction to the disciplines and discipline-specific practices that comprise Medieval Studies. WI Credits: 3

MIDDLE LEVEL EDUCATION (MLE)**MLE 3110 - Curriculum and Instruction in Middle-Level School.**

(3-0-3) F, S. Definition and rationale for middle-level education, historical development, curriculum and organizational patterns, teacher's role in middle-level education, and planning for instruction. **Prerequisites & Notes:** ELE 2000; and ELE 2320. University Teacher Education requirements apply and department requirements for enrollment must be met, including an expectation of second semester Junior standing. Credits: 3

MLE 3150 - Interdisciplinary Teaching in the Middle-Level School.

(3-0-3) F, S. Interdisciplinary organization and instruction appropriate for middle-level schools. Emphasis on interdisciplinary approaches and methods that facilitate integrated learning as well as appropriate assessment and evaluation techniques. **Prerequisites & Notes:** MLE 3110 or equivalent or permission of department chairperson. Concurrent enrollment with MLE 4280 and 4760 is desired. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

MLE 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

MLE 40001 - Practicum in Middle School Curriculum & Instruction.

(0-3-1) Supervised middle school clinical experiences with emphasis on curriculum and instruction. Must be taken twice. Minimum 45 clock hours each time. **Prerequisites & Notes:** Must be taken concurrently with one or combination of MLE 3110, 3150, 4280 and/or 4760; or with permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 1

MLE 40002 - Practicum in Middle School Curriculum & Instruction.

(0-3-1) Supervised middle school clinical experiences with emphasis on curriculum and instruction. Must be taken twice. Minimum 45 clock hours each time. **Prerequisites & Notes:** Must be taken concurrently with one or combination of MLE 3110, 3150, 4280 and/or 4760; or with permission of department chair. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 1

MLE 4280 - Teaching Reading in the Middle/Secondary School.

(3-0-3) S. Techniques for providing appropriate reading instruction in proper sequence for students in grades six through 12. **Prerequisites & Notes:** ELE 3280 for General and Middle School Options; or permission of department chair. Concurrent enrollment in MLE 3150 and 4760 is preferred. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

MLE 4760 - Student Social-Emotional Development in the Middle Grades.

(3-0-3) F, S. Instruction and planning in exploratory and teacher-based advisor-advisee programs. **Prerequisites & Notes:** MLE 3110 or equivalent or permission of department chairperson. Concurrent enrollment with MLE 3150 and 4280 desired. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

MLE 47411 - Independent Study.

(Arr.-Arr.-1) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 1

MLE 47412 - Independent Study.

(Arr.-Arr.-2) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 2

MLE 47413 - Independent Study.

(Arr.-Arr.-3) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the department chairperson. Credits: 3

MLE 47811 - Topics in Junior High/Middle School Education.

(Arr-Arr-1) On Demand. Current research and practices in junior high school/middle school education, (e.g., organization of school advisory programs, utilization of technology, staff development, legal/ethical concerns, curriculum issues, etc.). May be repeated once with a maximum of six semester hours from any combination of the Topics in Junior High/Middle School Education courses. **Prerequisites & Notes:** ELE 2000; ELE 2320; MLE 3110; or permission of department chairperson. Credits: 1

MLE 47812 - Topics in Junior High/Middle School Education.

(Arr-Arr-2) On Demand. Current research and practices in junior high school/middle school education, (e.g., organization of school advisory programs, utilization of technology, staff development, legal/ethical concerns, curriculum issues, etc.). May be repeated once with a maximum of six semester hours from any combination of the Topics in Junior High/Middle School Education courses. **Prerequisites & Notes:** ELE 2000; ELE 2320; MLE 3110; or permission of department chairperson. Credits: 2

MLE 47813 - Topics in Junior High/Middle School Education.

(Arr-Arr-3) On Demand. Current research and practices in junior high school/middle school education, (e.g., organization of school advisory programs, utilization of technology, staff development, legal/ethical concerns, curriculum issues, etc.). May be repeated once with a maximum of six semester hours from any combination of the Topics in Junior High/Middle School Education courses. **Prerequisites & Notes:** ELE 2000; ELE 2320; MLE 3110; or permission of department chairperson. Credits: 3

MILITARY SCIENCE (MLS)**MSC 1001 - Leadership and Personal Development.**

(1-1-1) F, S. Make your first new peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill; physical fitness; rappelling; leadership reaction course; first aid; basic marksmanship; Army rank structure; stress management; and nutrition. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. (KSS 1000A or 1000B or 1000D or 1000E) and a weekend exercise are highly encouraged and required for ROTC Scholarship students. Credits: 1

MSC 1002 - Introduction to Leadership.

(1-1-1) F, S. Learn/apply principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. PED 1000 and a weekend exercise are encouraged for all and mandatory for students with ROTC scholarships. **Prerequisites & Notes:** MSC 1001 or permission of the Department Chair. Credits: 1

MSC 2001 - Foundations of Leadership I.

(2-1-2) F, S. Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, ethical decision making, land navigation, and basic military tactics. Learn fundamentals of ROTC's Leadership Development Program. PED 1000 and a weekend exercise are highly encouraged and required for ROTC Scholarship students. **Prerequisites & Notes:** MSC 1002 or permission of the Department Chair. Credits: 2

MSC 2002 - Foundations of Leadership II.

(2-1-2). F, S. Introduction to individual and team aspects of military tactics in small unit operations. Includes fundamentals of officership, making safety assessments, movement techniques, planning for team safety/security, and methods of pre-execution checks. Practical exercises with upper division ROTC students. Learn techniques for training others as an aspect of continued leadership development. PED 1000 and a weekend exercise are encouraged for all and required for students with ROTC Scholarships. **Prerequisites & Notes:** MSC 2001 or permission of the Department Chair. Credits: 2

MSC 2003 - Leader's Training Course.

(Arr.-Arr-1 to 6) Su. A five-week summer camp conducted at an Army post. The student receives pay. Travel, lodging, and meal costs are defrayed by the Army. The environment is rigorous, and the training is demanding. No military obligation incurred. Open only to students who have not taken all four of MSC 1001, 1002, 2001, and 2002, and who pass a physical examination (paid for by ROTC). Completion of MSC 2003 qualifies a student for entry into the Advanced Course. Several different cycles are offered during the summer, but spaces are limited by the Army. Students should apply early in the spring semester to ensure a space that best fits their schedule. **Prerequisites & Notes:** Completed application and permission of the Department Chair. Credits: 1 to 6

MSC 3001 - Tactical Leadership.

(2-2-3) F. Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit defensive tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leadership. Participation in four one-hour sessions of physical fitness training per week and one weekend field training exercise required. **Prerequisites & Notes:** MSC 2003, or MSC 2002, or prior military service, or permission of the Department Chair. Credits: 3

MSC 3002 - Applied Leadership.

(3-2-4) S. Continues methodology of MSC 3001. Analyze tasks; prepare written and oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive climate that enhances team performance. Four one-hour physical fitness training sessions per week and one weekend field training exercise required. **Prerequisites & Notes:** MSC 3001 or permission of the Department Chair. Credits: 4

MSC 3003 - ROTC Advanced Camp.

(Arr.-Arr.-6) Su. A five-week camp conducted at an Army post. Open only to and required of students who have contracted and completed MSC 3001 and 3002. The student receives pay. Travel, lodging, and meal costs are defrayed by the Army. The Advanced Camp environment is highly structured and demanding, stressing leadership at small unit levels under varying, challenging conditions. Individual

leadership and basic skills performance are evaluated throughout the camp. **Prerequisites & Notes:** MSC 3002 and permission of Department Chair. Credits: 6

MSC 4001 - Developmental Leadership.

(2-2-3) F. Study and application of basic administrative and logistical systems. Study and application of military correspondence and briefing techniques. Introduction to the fundamental concepts of military justice. Study of basic principles and procedures of courts-martial and non-judicial punishment. Three one-hour physical fitness training sessions per week and one weekend field training exercise required. **Prerequisites & Notes:** MSC 3003 or permission of the Department Chair. Credits: 3

MSC 4002 - Adaptive Leadership

(2-2-3) S. Continues the methodology from MSC 4001. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as related to leading as an officer in the Army. Prepare for a future as a successful army lieutenant. Three one-hour physical fitness training sessions per week and one weekend field training exercise required. **Prerequisites & Notes:** MSC 4001 or permission of the Department Chair. Credits: 3

MSC 4100 - Trends and Issues of Commissioned Service.

(1-0-1) F, S. Consideration of needs in making the transition from ROTC cadet to Second Lieutenant. Methods and techniques the newly commissioned officer will require to conduct daily operations in a troop-leading environment. This course will familiarize the senior cadets with the responsibilities and requirements of a Second Lieutenant. **Prerequisites & Notes:** MSC 3002 or permission of the Department Chair. Credits: 1

MSC 4400 - Independent Study in Military Science.

(Arr.-Arr.-1-3) Intensive individual study on a topic selected by the student and approved by the department chair. May be repeated once to a maximum of four semester hours in independent studies courses. **Prerequisites & Notes:** MSC 4002 or permission of the Department Chair. Credits: 1 to 3

MSC 4400A - Independent Study in Military Science I.

Arr.-Arr.-1-3) Intensive individual study on a topic selected by the student and approved by the department chair. May be repeated once to a maximum of four semester hours in independent studies courses. **Prerequisites & Notes:** MSC 4002 or permission of the Department Chair. Credits: 1 to 3

MSC 4400B - Independent Study in Military Science II.

(Arr.-Arr.-1-3) Intensive individual study on a topic selected by the student and approved by the department chair. May be repeated once to a maximum of four semester hours in independent studies courses. **Prerequisites & Notes:** MSC 4002 or permission of the Department Chair. Credits: 1 to 3

MUSIC (MUS)

MUS 0010A - Introductory Voice I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0010B - Introductory Voice II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0020A - Introductory Flute I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0020B - Introductory Flute II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0021A - Introductory Oboe I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0021B - Introductory Oboe II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0053B - Introductory Double Bass II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0054A - Introductory Guitar I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** Auditions are required for initial placement in this course. Credits: 1

MUS 0054B - Introductory Guitar II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0060A - Introductory Piano I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0060B - Introductory Piano II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0061A - Introductory Organ I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0061B - Introductory Organ II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0063A - Introductory Jazz I.

(Arr.-Arr.-1) F, S. Level one introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0063B - Introductory Jazz II.

(Arr.-Arr.-1) F, S. Level two introductory study in music performance on a one-to-one basis with a studio instructor. Recommended for majors studying a secondary applied instrument or voice. Open to all university students. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in applied study must audition and demonstrate beginning-level music reading skills. Permission of instructor. Credits: 1

MUS 0200A - Wind Symphony I.

(0-4-1) F, S. Level one study in music performance in a select ensemble designed for in-depth study of major literature for winds and percussion. Open to all university students who qualify through audition. May be repeated once for credit. Credits: 1

MUS 0200B - Wind Symphony II.

(0-4-1) F, S. Level two study in music performance in a select ensemble designed for in-depth study of major literature for winds and percussion. Open to all university students who qualify through audition. May be repeated once for credit. Credits: 1

MUS 0200D - Wind Symphony III.

(0-4-1) F, S. Level three study in music performance in a select ensemble designed for in-depth study of major literature for winds and percussion. Open to all university students who qualify through audition. May be repeated once for credit. Credits: 1

MUS 0200E - Wind Symphony IV.

(0-4-1) F, S. Level four study in music performance in a select ensemble designed for in-depth study of major literature for winds and percussion. Open to all university students who qualify through audition. May be repeated once for credit. Credits: 1

MUS 0201A - Concert Band I.

(0-4-1) F, S. Level one study in a performance ensemble designed for in-depth study of all types of standard band literature. Open to all university students. May be repeated once for credit. Credits: 1

MUS 0201B - Concert Band II.

(0-4-1) F, S. Level two study in a performance ensemble designed for in-depth study of all types of standard band literature. Open to all university students. May be repeated once for credit. Credits: 1

MUS 0201D - Concert Band III.

(0-4-1) F, S. Level three study in a performance ensemble designed for in-depth study of all types of standard band literature. Open to all university students. May be repeated once for credit. Credits: 1

MUS 0201E - Concert Band IV.

(0-4-1) F, S. Level four study in a performance ensemble designed for in-depth study of all types of standard band literature. Open to all university students. May be repeated once for credit. Credits: 1

MUS 0202A - Panther Marching Band I.

(0-6-1) F. Level one music performance. The Panther Marching Band performs contemporary musical arrangements and drill designs during the football season for all home games, and takes off-campus tours each season. May be repeated once for credit. Credits: 1

MUS 0202B - Panther Marching Band II.

(0-6-1) F. Level two music performance. The Panther Marching Band performs contemporary musical arrangements and drill designs during the football season for all home games, and takes off-campus tours each season. May be repeated once for credit. Credits: 1

MUS 0203A - Eastern Symphonic Band I.

(0-2-1) F, S. Level one music performance in a non-auditioned ensemble for students and community members who wish to continue in music performance. The ESB also provides music majors a large ensemble experience on a secondary instrument. The ensemble performs varied literature and presents at least one concert per semester. Open to music majors and non-music majors. May be repeated once for credit. **Prerequisites & Notes:** Previous instrumental experience. Credits: 1

MUS 0203B - Eastern Symphonic Band II.

(0-2-1) F, S. Level two music performance in a non-auditioned ensemble for students and community members who wish to continue in music performance. The ESB also provides music majors a large ensemble experience on a secondary instrument. The ensemble performs varied literature and presents at least one concert per semester. Open to music majors and non-music majors. May be repeated once for credit. **Prerequisites & Notes:** Previous instrumental experience. Credits: 1

MUS 0203D - Eastern Symphonic Band III.

(0-2-1) F, S. Level three music performance in a non-auditioned ensemble for students and community members who wish to continue in music performance. The ESB also provides music majors a large ensemble experience on a secondary instrument. The ensemble performs varied literature and presents at least one concert per semester. Open to music majors and non-music majors. May be repeated once for credit. **Prerequisites & Notes:** Previous instrumental experience. Credits: 1

MUS 0203E - Eastern Symphonic Band IV.

(0-2-1) F, S. Level four music performance in a non-auditioned ensemble for students and community members who wish to continue in music performance. The ESB also provides music majors a large ensemble experience on a secondary instrument. The ensemble performs varied literature and presents at least one concert per semester. Open to music majors and non-music majors. May be repeated once for credit. **Prerequisites & Notes:** Previous instrumental experience. Credits: 1

MUS 0204A - Chamber Music, Winds I.

(Arr.-Arr.-1) F, S. Level one study and performance of chamber music involving wind instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of instructor. Credits: 1

MUS 0204B - Chamber Music, Winds II.

(Arr.-Arr.-1) F, S. Level two study and performance of chamber music involving wind instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of instructor. Credits: 1

MUS 0204D - Chamber Music, Winds III.

(Arr.-Arr.-1) F, S. Level three study and performance of chamber music involving wind instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of instructor. Credits: 1

MUS 0204E - Chamber Music, Winds IV.

(Arr.-Arr.-1) F, S. Level four study and performance of chamber music involving wind instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of instructor. Credits: 1

MUS 0205 - Flute Choir.

(0-2-1) F, S. Choir performs transcribed and original works on and off campus throughout the semester. Open to any flutist. **Prerequisites & Notes:** Permission of instructor. Credits: 1

MUS 0207A - Saxophone Quartet I.

(Arr.-Arr.-1) Level one music performance. A performance-oriented course in which the student participates in the study of the saxophone in a chamber ensemble setting. Emphasis will be placed on performing, studying, and analyzing the standard repertoire. Open to all students who demonstrate competence in saxophone performance. May be repeated once for credit. Credits: 1

MUS 0207B - Saxophone Quartet II.

(Arr.-Arr.-1) Level two music performance. A performance-oriented course in which the student participates in the study of the saxophone in a chamber ensemble setting. Emphasis will be placed on performing, studying, and analyzing the standard repertoire. Open to all students who demonstrate competence in saxophone performance. May be repeated once for credit. Credits: 1

MUS 0207D - Saxophone Quartet III.

(Arr.-Arr.-1) Level three music performance. A performance-oriented course in which the student participates in the study of the saxophone in a chamber ensemble setting. Emphasis will be placed on performing, studying, and analyzing the standard repertoire. Open to all students who demonstrate competence in saxophone performance. May be repeated once for credit. Credits: 1

MUS 0207E - Saxophone Quartet IV.

(Arr.-Arr.-1) Level four music performance. A performance-oriented course in which the student participates in the study of the saxophone in a chamber ensemble setting. Emphasis will be placed on performing, studying, and analyzing the standard repertoire. Open to all students who demonstrate competence in saxophone performance. May be repeated once for credit. Credits: 1

MUS 0211A - Orchestra I.

(0-4-1) F, S. Level one music performance. Students study, rehearse, and perform core symphonic repertoire from all style periods. May be repeated once for credit. Credits: 1

MUS 0211B - Orchestra II.

(0-4-1) F, S. Level two music performance. Students study, rehearse, and perform core symphonic repertoire from all style periods. May be repeated once for credit. Credits: 1

MUS 0211D - Orchestra III.

(0-4-1) F, S. Level three music performance. Students study, rehearse, and perform core symphonic repertoire from all style periods. May be repeated once for credit. Credits: 1

MUS 0211E - Orchestra IV.

(0-4-1) F, S. Level four music performance. Students study, rehearse, and perform core symphonic repertoire from all style periods. May be repeated once for credit. Credits: 1

MUS 0215A - Chamber Music, Strings I.

(Arr.-Arr.-1) F, S. Level one study and performance of chamber music involving string instruments. May be repeated once for credit.
Prerequisites & Notes: Permission of instructor. Credits: 1

MUS 0215B - Chamber Music, Strings II.

(Arr.-Arr.-1) F, S. Level two study and performance of chamber music involving string instruments. May be repeated once for credit.
Prerequisites & Notes: Permission of instructor. Credits: 1

MUS 0215D - Chamber Music, Strings III.

(Arr.-Arr.-1) F, S. Level three study and performance of chamber music involving string instruments. May be repeated once for credit.
Prerequisites & Notes: Permission of instructor. Credits: 1

MUS 0215E - Chamber Music, Strings IV.

(Arr.-Arr.-1) F, S. Level four study and performance of chamber music involving string instruments. May be repeated once for credit.
Prerequisites & Notes: Permission of instructor. Credits: 1

MUS 0220A - Jazz Ensemble I.

(0-4-1) F, S. Level one music performance. This ensemble offers students the opportunity to play the finest in jazz band music. The jazz ensemble rehearses four days each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0220B - Jazz Ensemble II.

(0-4-1) F, S. Level two music performance. . This ensemble offers students the opportunity to play the finest in jazz band music. The jazz ensemble rehearses four days each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0220D - Jazz Ensemble III.

(0-4-1) F, S. Level three music performance. . This ensemble offers students the opportunity to play the finest in jazz band music. The jazz ensemble rehearses four days each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0220E - Jazz Ensemble IV.

(0-4-1) F, S. Level four music performance. . This ensemble offers students the opportunity to play the finest in jazz band music. The jazz ensemble rehearses four days each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0221A - Jazz Lab Band I.

(0-2-1) F, S. Level one music performance in an ensemble that offers students the opportunity to play the finest in jazz band music. The Jazz Lab Band rehearses two evenings each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0221B - Jazz Lab Band II.

(0-2-1) F, S. Level two music performance in an ensemble that offers students the opportunity to play the finest in jazz band music. The Jazz Lab Band rehearses two evenings each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0221D - Jazz Lab Band III.

(0-2-1) F, S. Level three music performance in an ensemble that offers students the opportunity to play the finest in jazz band music. The Jazz Lab Band rehearses two evenings each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0221E - Jazz Lab Band IV.

(0-2-1) F, S. Level four music performance in an ensemble that offers students the opportunity to play the finest in jazz band music. The Jazz Lab Band rehearses two evenings each week. Various programs including tours and festivals are performed each year. May be repeated once for credit. Credits: 1

MUS 0222A - Jazz Combo I.

(Arr.-Arr.-1) Level one music performance in a Jazz Combo where four to six musicians perform and study the standard repertoire of the jazz idiom and develop improvisational skills. Upper-class students see MUS 3622A. May be repeated once for credit. Credits: 1

MUS 0222B - Jazz Combo II.

Level two music performance in a Jazz Combo of four to six musicians perform and study the standard repertoire of the jazz idiom and develop improvisational skills. Upperclass students see MUS 3622B. May be repeated once for credit. Credits: 1

MUS 0224 - Jazz Seminar.

(Arr.-Arr.-0) F, S. Jazz topics will be presented, with live performances by students and professional players with critique and group discussion. **Prerequisites & Notes:** Participation in an EIU jazz ensemble. Credits: Audit only

MUS 0230A - Concert Choir I.

(0-3-1) F, S. Level one music performance in an auditioned, select choir of 45 voices that performs a wide variety of short and medium-length choral compositions by significant composers. May be repeated once for credit. Credits: 1

MUS 0230B - Concert Choir II.

(0-3-1) F, S. Level two music performance in an auditioned, select choir of 45 voices that performs a wide variety of short and medium-length choral compositions by significant composers. May be repeated once for credit. Credits: 1

MUS 0230D - Concert Choir III.

(0-3-1) F, S. Level three music performance in an auditioned, select choir of 45 voices that performs a wide variety of short and medium-length choral compositions by significant composers. May be repeated once for credit. Credits: 1

MUS 0230E - Concert Choir IV.

(0-3-1) F, S. Level four music performance in an auditioned, select choir of 45 voices that performs a wide variety of short and medium-length choral compositions by significant composers. May be repeated once for credit. Credits: 1

MUS 0231A - University Mixed Chorus I.

(0-4-1) F, S. Level one music performance in an ensemble of mixed voices that studies and performs choral literature of various styles. Open to all university students interested in singing. May be repeated once for credit. Credits: 1

MUS 0231B - University Mixed Chorus II.

(0-4-1) F, S. Level two music performance in an ensemble of mixed voices that studies and performs choral literature of various styles. Open to all university students interested in singing. May be repeated once for credit. Credits: 1

MUS 0231D - University Mixed Chorus III.

(0-4-1) F, S. Level three music performance in an ensemble of mixed voices that studies and performs choral literature of various styles. Open to all university students interested in singing. May be repeated once for credit. Credits: 1

MUS 0231E - University Mixed Chorus IV.

(0-4-1) F, S. Level four music performance in an ensemble of mixed voices that studies and performs choral literature of various styles. Open to all university students interested in singing. May be repeated once for credit. Credits: 1

MUS 0233A - Camerata I.

(0-2-1) Level one music performance in a select choral ensemble that performs madrigals and other choral literature appropriate for a chamber choir. May be repeated once for credit. **Prerequisites & Notes:** Audition or permission of the instructor. Credits: 1

MUS 0233B - Camerata II.

(0-2-1) Level two music performance in a select choral ensemble that performs madrigals and other choral literature appropriate for a chamber choir. May be repeated once for credit. **Prerequisites & Notes:** Audition or permission of the instructor. Credits: 1

MUS 0233D - Camerata III.

(0-2-1) Level three music performance in a select choral ensemble that performs madrigals and other choral literature appropriate for a chamber choir. May be repeated once for credit. **Prerequisites & Notes:** Audition or permission of the instructor. Credits: 1

MUS 0233E - Camerata IV.

(0-2-1) Level four music performance in a select choral ensemble that performs madrigals and other choral literature appropriate for a chamber choir. May be repeated once for credit. **Prerequisites & Notes:** Audition or permission of the instructor. Credits: 1

MUS 0240A - Percussion Ensemble I.

(0-3-1) F, S. Level one music performance in a percussion ensemble. The study and performance of percussion literature from 1930 to the present. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0240B - Percussion Ensemble II.

(0-3-1) F, S. The study and performance of percussion literature from 1930 to the present. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0240D - Percussion Ensemble III.

(0-3-1) F, S. The study and performance of percussion literature from 1930 to the present. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0240E - Percussion Ensemble IV.

(0-3-1) F, S. The study and performance of percussion literature from 1930 to the present. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0242A - Latin Percussion Ensemble I.

(0-5-1) F, S. Level one music performance in an ensemble devoted to the study of techniques and performance of Latin and Pop music on Latin American instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0242B - Latin Percussion Ensemble II.

(0-5-1) F, S. Level two music performance in an ensemble devoted to the study of techniques and performance of Latin and Pop music on Latin American instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0242D - Latin Percussion Ensemble III.

(0-5-1) F, S. Level three music performance in an ensemble devoted to the study of techniques and performance of Latin and Pop music on Latin American instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0242E - Latin Percussion Ensemble IV.

(0-5-1) F, S. Level four music performance in an ensemble devoted to the study of techniques and performance of Latin and Pop music on Latin American instruments. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1

MUS 0260 - Keyboard Chamber Music.

(Arr.-Arr.-1) The study and performance of ensemble literature that involves at least one keyboard instrument and performer. May be repeated once for credit. Credits: 1

MUS 0541 - Music Theory Rudiments.

(3-0-3) F. Development of fundamental musical knowledge and skills, including the notation, identification, and aural recognition of pitch, rhythm and meter, major and minor scales, keys, intervals, triads and seventh chords, and musical terms. Preparation for MUS 1541 **Music Theory I** and MUS 1543 **Aural Training I**. Credits: 3

MUS 1070 - Introduction to Music Technology.

(2-0-2) S. An overview of computers, peripherals, and software, and how they can be used effectively in a musical environment. **Prerequisites & Notes:** MUS 1541. Credits: 2

MUS 1103 - Recital.

(1-0-0) F, S. Experiencing music through live performances. Credits: Audit only

MUS 1110A - Intermediate Voice I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1110B - Intermediate Voice II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1120A - Intermediate Flute I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1120B - Intermediate Flute II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1121A - Intermediate Oboe I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1121B - Intermediate Oboe II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1134A - Intermediate Tuba I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1134B - Intermediate Tuba II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1136 - Class Instruction in Voice.

(0-2-1) F, S. Beginning vocal instruction for students who have had little or no previous vocal study. May be repeated once for credit. No audition required. Credits: 1

MUS 1140A - Intermediate Percussion I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1140B - Intermediate Percussion II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1150A - Intermediate Violin I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1150B - Intermediate Violin II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1151A - Intermediate Viola I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1151B - Intermediate Viola II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1152A - Intermediate Violincello I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1152B - Intermediate Violincello II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1153A - Intermediate Double Bass I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1153B - Intermediate Double Bass II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1154A - Intermediate Guitar I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1154B - Intermediate Guitar II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1160A - Intermediate Piano I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1160B - Intermediate Piano II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1161A - Intermediate Organ I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1161B - Intermediate Organ II.

(Arr.-Arr.-1,-2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1163A - Intermediate Jazz I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1163B - Intermediate Jazz II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 1300 - Instrumental Methods Lab.

(0-2-1) F, S. The course will focus on teaching experience in a beginning/middle school level band setting. Students will gain significant playing time on secondary instruments and will become familiar with materials, literature, conducting techniques, and teaching strategies appropriate for beginning wind players. Students will also complete two hours of clinical observation. This course is restricted to Music majors in the teacher certification option. Co-requisites: MUS 1308 or MUS 1309. Course may be repeated to a maximum of 2 hours or 2 times. Credits: 1

MUS 1308 - Class Instruction in Woodwinds.

(3-0-1) F, S. A study of beginning instrumental technique and pedagogy on woodwind instruments. Two hours clinical experience required. For Music Education majors only. May be repeated once for credit. Credits: 1

MUS 1309 - Class Instruction in Brass.

(3-0-1) F, S. A study of beginning instrumental technique and pedagogy on brass instruments. Two hours clinical experience required. For Music Education majors only. May be repeated once for credit. Credits: 1

MUS 1310 - Class Instruction in Strings.

(1-2-1) F. A study of beginning instrumental technique and pedagogy on string instruments. Two hours clinical experience required. For Music Education majors only. Credits: 1

MUS 1311 - Class Instruction in Percussion.

(1-2-1) S. A study of beginning instrumental technique and pedagogy on percussion instruments. Two hours clinical experience required. For Music Education majors only. Credits: 1

MUS 1530 - Jazz Improvisation I.

(0-2-1) S. An introduction to the basic skills of the jazz player. The course includes the study of jazz nomenclature, scales and standard jazz repertoire. Numerous jazz artists and their solos are discussed and analyzed. **Prerequisites & Notes:** MUS 1541, 1543 or competence. Open to all students. Required of all students in the Jazz Studies Option. Credits: 1

MUS 1541 - Music Theory I.

(2-1-3) A study of basic music theory concepts including notation of pitch, rhythm and meter, scales, keys and key signatures, intervals, triads and seventh chords. At least one class period per week will be devoted to functional keyboard skills. Credits: 3

MUS 1542 - Music Theory II.

(2-1-3) A study of the musical materials and structural principles of the common practice period including tonality, diatonic harmony, and part writing. At least one class period per week will be devoted to functional keyboard skills. **Prerequisites & Notes:** MUS 1541. Credits: 3

MUS 1543 - Aural Training in Music.

(0-2-1) F, S. The study of notational practice and the development of aural perception through sight singing and dictation. Credits: 1

MUS 1544 - Aural Training in Music.

(0-2-1) F, S. The study of notational practice and the development of aural perception through sight singing and dictation. **Prerequisites & Notes:** MUS 1543. Credits: 1

MUS 1560 - Introduction to Music Composition.

(2-0-2) F. The composition seminar will explore trends, philosophies, and methods associated with music composition practices. The class will focus on hands-on composing experience in a broad range of styles and aesthetics while incorporating a variety of listening and reading assignments. Other topics will include music organization, notation, and media types. **Prerequisites & Notes:** MUS 1542 or permission of instructor. Course restricted to Music majors or minors. Credits: 2

MUS 1570A - Intermediate Composition I.

(Arr.-Arr.-1, -2, or -4) F. Level one intermediate study in music composition on a one-to-one basis with an instructor. May be repeated once for credit. **Prerequisites & Notes:** All students must demonstrate an aptitude for composing music and will be asked to provide examples of original compositions. Credits: 1, 2, or 4

MUS 1570B - Intermediate Composition II.

(Arr.-Arr.-1, -2, or -4) F. Level two intermediate study in music composition on a one-to-one basis with an instructor. May be repeated once for credit. **Prerequisites & Notes:** All students must demonstrate an aptitude for composing music and will be asked to provide examples of original compositions. Credits: 1, 2, or 4

MUS 2070 - Electronic Music Studio Techniques.

(2-Arr.-2) S. Principles and use of music synthesizers, MIDI, sequencers, and recording techniques in the production and shaping of electronic sound. Credits: 2

MUS 2071 - Music Technology II: Audio and Recording Techniques.

(3-2-3) F. Introduction to the processes, tools and techniques of audio engineering, with an emphasis on music recording. Students will learn from lectures, demonstrations, reading and research, hands-on projects, assisting with recordings and live sound, and field trips. **Prerequisites & Notes:** MUS 1070. Credits: 3

MUS 2100 - Non-Degree Recital.

(Arr.-Arr.-0) Demonstrating musical abilities through live performance. The recital length will vary. Credits: Audit only

MUS 2101 - Sophomore Recital: Performance Option.

(Arr.-Arr.-0) Demonstrating musical abilities through live performance. The recital will be 15 minutes long. Credits: Audit only

MUS 2141 - Vocal Diction I.

(1-1-1) F. The study of vocal diction of English and Italian song literature. **Prerequisites & Notes:** Two semesters of Applied Voice or equivalent. Credits: 1

MUS 2142 - Vocal Diction II.

(1-1-1) S. The study of vocal diction of German and French song literature. **Prerequisites & Notes:** MUS 2141. Credits: 1

MUS 2155 - Conducting I.

(3-0-2) F. A course designed to teach the language and gestures of effective conducting from both vocal and instrumental perspectives. The class serves as a laboratory chorus and an instrumental ensemble. For Music Majors and Music Minors only. **Prerequisites & Notes:** Completion of MUS 1541 and MUS 1542 with a "C" or better. Credits: 2

MUS 2203 - Functional Skills in Piano.

(0-2-1) F, S. A course for music majors and minors. **Prerequisites & Notes:** MUS 1541, 1542, or placement by audition during enrollment. Credits: 1

MUS 2204 - Functional Skills in Piano.

(0-2-1) F, S. A course for music majors and minors. **Prerequisites & Notes:** MUS 2203 or placement by audition during enrollment. Credits: 1

MUS 2205 - Keyboard Skills I.

(0-2-1) F. A course for keyboard majors or other qualified students to develop functional skills in harmonization, sight-reading, improvisation, and transposition. **Prerequisites & Notes:** MUS 1542 or permission of the instructor. Credits: 1

MUS 2206 - Keyboard Skills II.

(0-2-1) S. Continuation of MUS 2205. **Prerequisites & Notes:** MUS 2205 or permission of the instructor. Credits: 1

MUS 2210A - Intermediate Voice III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2210B - Intermediate Voice IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four intermediate study in music performance on a one-to-one basis with a studio instructor. May be once repeated for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2220A - Intermediate Flute III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2254A - Intermediate Guitar III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2254B - Intermediate Guitar IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four intermediate study in music performance on a one-to-one basis with a studio instructor. May be once repeated for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2260A - Intermediate Piano III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2260B - Intermediate Piano IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four intermediate study in music performance on a one-to-one basis with a studio instructor. May be once repeated for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2261A - Intermediate Organ III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2261B - Intermediate Organ IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four intermediate study in music performance on a one-to-one basis with a studio instructor. May be once repeated for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2263A - Intermediate Jazz III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three intermediate study in music performance on a one-to-one basis with a studio instructor. May be repeated once for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2263B - Intermediate Jazz IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four intermediate study in music performance on a one-to-one basis with a studio instructor. May be once repeated for credit. **Prerequisites & Notes:** All students who wish to enroll in Intermediate Applied Study must audition and demonstrate intermediate-level music reading skills. Credits: 1, 2 or 4

MUS 2440 - Introduction to Music Education.

(2-1-1) An introduction to the expectation of the modern-day public school music teacher, including the role of the teacher, curricular and legal expectations of teaching, historical and philosophical underpinnings of public school music teaching. Twenty clock hours of observation in all kinds of music learning situations at all grade levels are required. For music education majors and minors. WI Credits: 1

MUS 2441 - Introduction to Elementary General Music Methods.

(2-0-1) F, S. Exploration of General Music teaching methods, P-8. Includes experiences in Generative Method, Orff, Kodaly and Comprehensive Musicianship. For Music Education Majors only. **Prerequisites & Notes:** Completion of MUS 2440 with a "C" or better. Credits: 1

MUS 2442 - Introduction to Instrumental Music Methods.

(2-0-2) F, S. Exploration of beginning Instrumental Music teaching methods, 4-8. Includes rudimentary brass, woodwind, string and percussion methods, as well as organizational and curricular considerations. Vocal/Gen Mus Ed majors only. **Prerequisites & Notes:** Completion of MUS 2440 with a "C" or better. Credits: 2

MUS 2530 - Jazz Improvisation II.

(0-2-1) F. The detailed study and performance of two types of jazz vehicles: standard and bebop tunes. Emphasis is placed on daily improvisation in class and solo transcription. Significant literature is discussed and analyzed. **Prerequisites & Notes:** MUS 1530 or competence. Required of all students in the jazz studies option. Credits: 1

MUS 2541 - Music Theory III.

(3-0-3) F. A study of the musical materials and structural principles of the common practice period including tonicization, modulation, and chromatic harmony. **Prerequisites & Notes:** MUS 1542. Credits: 3

MUS 2542 - Music Theory IV.

(3-0-3) S. A study of the musical materials and structural principles of 20th century music including extended- and non-tertian harmony, neotonicity, serial and non-serial atonality. **Prerequisites & Notes:** MUS 2541. Credits: 3

MUS 2543 - Aural Training in Music.

(0-2-1) F, S. A continuation of the study of notational practice and the development of aural perception. **Prerequisites & Notes:** MUS 1544. Credits: 1

MUS 2544 - Aural Training in Music.

(0-2-1) A continuation of the study of notational practice and the development of aural perception through sight singing, dictation and rhythmic performance. **Prerequisites & Notes:** MUS 2543. Credits: 1

MUS 2555G - Interacting with Music.

(3-0-3) F, S. Understanding music for the general student -- listening, responding, and creating music in its cultural context. F1 900
Prerequisites & Notes: Open to Music majors for elective credit only. Credits: 3

MUS 2557G - The Evolution of Jazz and Rock.

(3-0-3) Music appreciation for the general student--listening and responding to music in its cultural context. Significant contributors to the development of jazz and rock are presented and landmark recordings are heard and discussed. Open to music majors for elective credit only. Technology-Delivered sections of this course are restricted to off-campus students Credits: 3

MUS 2581 - Jazz History.

(2-0-2) On Demand. A survey of the developmental periods of American jazz and the personalities significant to each period. Music from each period is listened to and analyzed. WI **Prerequisites & Notes:** MUS 1530, 1541, 1542, 1543, 1544 or permission of instructor. Open to music majors and minors only. Required for jazz studies option majors. Credits: 2

MUS 3100 - Junior Recital: Teacher Certification Option.

Demonstrating musical abilities through live performance. The recital will be 15 minutes long. Credits: Audit only

MUS 3101 - Junior Recital: Performance Option.

(Arr.-Arr.-0) Demonstrating musical abilities through live performance or a composition project. The recital will be 25 minutes long. Credits: Audit only

MUS 3102 - Junior Recital, Performance Option/Jazz Studies Concentration.

(Arr.-Arr.-0) Demonstrating musical abilities through live performance or a composition project. The recital will be 25 minutes long. Credits: Audit only

MUS 3120A - Music Theatre/Opera Workshop I.

(0-4-1 or 2) F, S. Level one study and performance of music theatre and opera. Students produce major productions with orchestra, smaller productions with piano, touring productions and in-class scene productions to develop music theatre and opera skills. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 2

MUS 3120B - Music Theatre/Opera Workshop II.

(0-4-1 or 2) F, S. Level two study and performance of music theatre and opera. Students produce major productions with orchestra, smaller productions with piano, touring productions and in-class scene productions to develop music theatre and opera skills. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 2

MUS 3120D - Music Theatre/Opera Workshop III.

(0-4-1 or 2) F, S. Level three study and performance of music theatre and opera. Students produce major productions with orchestra, smaller productions with piano, touring productions and in-class scene productions to develop music theatre and opera skills. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 2

MUS 3120E - Music Theatre/Opera Workshop IV.

(0-4-1 or 2) F, S. Level four study and performance of music theatre and opera. Students produce major productions with orchestra, smaller productions with piano, touring productions and in-class scene productions to develop music theatre and opera skills. May be repeated once for credit. **Prerequisites & Notes:** Permission of the instructor. Credits: 1 to 2

MUS 3155 - Choral Conducting and Literature.

(2-0-1) S. Focuses on the cognitive learning, skills, and motivation necessary to conduct and provide leadership for choral ensembles. Emphasis on significant choral repertoire, knowledge of conducting styles performance practice, and rehearsal techniques. The class serves as a laboratory chorus and instrumental ensemble. **Prerequisites & Notes:** MUS 2155 or its equivalent. Credits: 1

MUS 3156 - Instrumental Conducting and Literature.

(2-0-1) S. Focuses on the cognitive learning, skills, and motivation necessary to conduct and provide leadership for musical ensembles. Emphasis on significant band repertoire, conducting, and rehearsal techniques. **Prerequisites & Notes:** MUS 2155 or its equivalent. Completion of MUS 1301, 1304, 1308, 1309 encouraged. Credits: 1

MUS 3310A - Advanced Voice I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3310B - Advanced Voice II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 3320A - Advanced Flute I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3353B - Advanced Double Bass II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3354A - Advanced Guitar I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542 and MUS 2544. All students who wish to enroll in advanced-level applied study must have achieved junior standing in music. Credits: 1, 2 or 4

MUS 3354B - Advanced Guitar II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542 and MUS 2544. All students who wish to enroll in advanced-level applied study must have achieved junior standing in music. Credits: 1, 2 or 4

MUS 3360A - Advanced Piano I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3360B - Advanced Piano II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3361A - Advanced Organ I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3361B - Advanced Organ II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3363A - Advanced Jazz I.

(Arr.-Arr.-1, -2, or -4) F, S. Level one advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3363B - Advanced Jazz II.

(Arr.-Arr.-1, -2, or -4) F, S. Level two advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** Intermediate Applied Study. Successful completion of the Advanced Study Jury. Credits: 1, 2 or 4

MUS 3400 - Methods and Materials of Teaching Instrumental Music

(3-1-4) F, S. Instrumental methods and materials and clinical experiences appropriate for elementary and secondary schools. Peer teaching, public school observation and participation are required. Music Education Majors only. WI **Prerequisites & Notes:** Admission to Teacher Education, "C" or better in MUS 2155, SED 3330 and EDP 3331. Completion of MUS 1301, 1304, 1308, 1309 encouraged. Credits: 4

MUS 3420 - Music in Elementary Schools.

(2-1-2) Contemporary methods and materials of teaching music as aesthetic education in preschool and in the elementary grades. **Prerequisites & Notes:** Open to elementary and special education majors only. Credits: 2

MUS 3440 - Methods and Materials of Vocal and General Music.

(3-1-4) F, S. A study of the methods and materials necessary for teaching vocal and general music P-12. Students will have experiences teaching music in public schools. This class is for Music Education Majors only. **Prerequisites & Notes:** Admission to Teacher Education, "C" or better in MUS 2155, SED 3330 and EDP 3331. WI Credits: 4

MUS 3531 - Jazz Improvisation III.

(0-2-1) S. The detailed study of the characteristics and performance requirements of four types of jazz compositions: the blues, modal tunes, ballads, and contemporary. Emphasis will be placed on daily improvisation in class and solo transcription. Required of all students in the Jazz Studies Concentration. **Prerequisites & Notes:** MUS 2530 or permission of instructor. Credits: 1

MUS 3541 - Music Analysis I: Music of the Common Practice Period.

(3-0-3) F. The detailed study of selected compositions from the common practice period (Baroque, Classic, or Romantic eras). **Prerequisites & Notes:** MUS 2542 or permission of instructor. Credits: 3

MUS 3542 - Music Analysis II: Music of the Post-Tonal Period.

(3-0-3) S. The detailed study of selected compositions from the post-tonal period (20th century to the present). **Prerequisites & Notes:** MUS 2542 or permission of instructor. Credits: 3

MUS 3547 - Orchestration.

(2-0-2) F. Beginning practical experience in scoring for orchestra. **Prerequisites & Notes:** MUS 2541. Credits: 2

MUS 3550G - Survey of American Music.

(3-0-3) F. Introduction to American music, including a discussion of Native American music and a survey of both the Cultivated and Vernacular traditions in American music from the Colonial Period until the present. Credits: 3

MUS 3553G - Survey of Musical Masterworks.

(3-0-3) F, S. Important pieces of Western Classical Music will be examined. Compositions will be selected from at least four different stylistic periods. Exclusions: The course will not be open to music majors. Credits: 3

MUS 3562G - Non-Western Music.

(3-0-3) F, S. The music of a variety of world cultures, such as Asian, African, and South American, will be examined in their appropriate contexts. WI Credits: 3

MUS 3570A - Advanced Composition I.

(Arr.-Arr.-1, -2, or -4) F. Level one advanced study in music composition on a one-to-one basis with an instructor. May be repeated once for credit. **Prerequisites & Notes:** MUS 1570A. Achievement of Junior Standing. Credits: 1, 2, or 4

MUS 3570B - Advanced Composition II.

(Arr.-Arr.-1, -2, or -4) F. Level two advanced study in music composition on a one-to-one basis with an instructor. May be repeated once for credit. **Prerequisites & Notes:** MUS 1570B. Achievement of Junior Standing. Credits: 1, 2, or 4

MUS 3584 - History and Literature of Music I.

(3-0-3) F. History and literature of music from the Renaissance to the end of the Baroque Period. WI **Prerequisites & Notes:** MUS 2541 or permission of instructor. Credits: 3

MUS 3585 - History and Literature of Music II.

(3-0-3) S. History and literature of music from the Classical Period to the end of the Romantic Period. WI **Prerequisites & Notes:** MUS 2541 or permission of instructor. Credits: 3

MUS 3586 - History and Literature of Music III.

(3-0-3) F. History and literature of music of the Middle Ages and the Contemporary Period. WI **Prerequisites & Notes:** MUS 2542 or permission of instructor. Credits: 3

MUS 3591 - Music Analysis, Honors.

(3-0-3) On Demand. The detailed study of a few musical compositions from either the 18th, 19th, or 20th centuries; the specific century to be announced in advance. WI **Prerequisites & Notes:** MUS 2541 and permission of instructor or MUS 2452, admission to the Departmental Honors Program. Credits: 3

MUS 3592G - Non-Western Music, Honors.

(3-0-3) F, S. The music of a variety of world cultures, such as Asian, African, and South American, will be examined in their appropriate contexts. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

MUS 3593G - Survey of Musical Masterworks, Honors.

(3-0-3) F, S. Important compositions of Western Classical Music will be examined. Compositions will be selected from at least four different stylistic periods. This course will not be open to music majors. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

MUS 3594 - History and Literature of Music I, Honors.

(3-0-3). F. History and literature of music from the Renaissance to the end of the Baroque Period. WI **Prerequisites & Notes:** MUS 2541 or permission of instructor and admission to Departmental Honors. Credits: 3

MUS 3595 - History and Literature of Music II, Honors.

(3-0-3) S. History and literature of music from the Classical Period to the end of the Romantic Period. WI **Prerequisites & Notes:** MUS 2541 or permission of instructor and admission to Departmental Honors. Credits: 3

MUS 3596 - History and Literature of Music III, Honors.

(3-0-3) F. History and literature of music of the Middle Ages and the Contemporary Period. WI **Prerequisites & Notes:** MUS 2542 or permission of instructor and admission to Departmental Honors. Credits: 3

MUS 3622A - Advanced Jazz Combo I.

(Arr.-Arr.-1) Level one advanced music performance in which the student performs in small jazz ensembles to develop necessary playing and improvisational skills. Emphasis will be placed on performing, studying and analyzing standard jazz repertoire. May be repeated once for credit. **Prerequisites & Notes:** Two semesters of jazz improvisation. Open to all students in the Jazz Studies Option and students who demonstrate competence in jazz performance. Credits: 1

MUS 3622B - Advanced Jazz Combo II.

(Arr.-Arr.-1) Level two advanced music performance in which the student performs in small jazz ensembles to develop necessary playing and improvisational skills. Emphasis will be placed on performing, studying and analyzing standard jazz repertoire. May be repeated once for credit. **Prerequisites & Notes:** Two semesters of jazz improvisation. Open to all students in the Jazz Studies Option and students who demonstrate competence in jazz performance. Credits: 1

MUS 3800 - Jazz Theory I.

(1-1-1) On Demand. A study of basic jazz skills as they relate to an understanding of modern harmonic/melodic concepts of theory at the keyboard. Open to all students. **Prerequisites & Notes:** Two semesters of class piano and two semesters of music theory including 1541 and 1542, or permission of instructor. Required of all students in the Jazz Studies Option. Credits: 1

MUS 3801 - Jazz Theory II.

(1-1-1) On Demand. A continuation of MUS 3800 dealing with more elaborate concepts of jazz harmony applied to the keyboard. Students will gain skills adequate to perform in a rhythm section. **Prerequisites & Notes:** MUS 3800 or competence. Open to all students. Required of all students in the Jazz Studies Option. Credits: 1

MUS 3860 - Marching Band and Jazz Band Techniques.

(2-0-2) S. A study of teaching strategies, literature, and organizational/administrative paradigms for the high school marching band and jazz band. **Prerequisites & Notes:** Music 3400 or permission of the instructor. Credits: 2

MUS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

MUS 4100 - Senior Recital: Teacher Certification Option.

Demonstrating musical abilities through live performance. The recital will be 25 minutes long. Credits: Audit only

MUS 4101 - Senior Recital: Performance Option

(Arr.-Arr.-0) Demonstrating musical abilities through live performance or a composition project. The recital will be 50 minutes long. Credits: Audit only

MUS 4410A - Advanced Voice III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4410B - Advanced Voice IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4420A - Advanced Flute III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4420B - Advanced Flute IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4421A - Advanced Oboe III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4421B - Advanced Oboe IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4422A - Advanced Clarinet III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4422B - Advanced Clarinet IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4423A - Advanced Bassoon III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4423B - Advanced Bassoon IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4424A - Advanced Saxophone III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4424B - Advanced Saxophone IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4430A - Advanced Trumpet III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4430B - Advanced Trumpet IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4431A - Advanced Horn III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4431B - Advanced Horn IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4432A - Advanced Trombone III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4432B - Advanced Trombone IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4433A - Advanced Euphonium III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4433B - Advanced Euphonium IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4434A - Advanced Tuba III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4434B - Advanced Tuba IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4440A - Advanced Percussion III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4440B - Advanced Percussion IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4444 - Honors Independent Study.

(Arr.-Arr.-1-3) Consideration of special topics in Music. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. May be repeated as a substitute for graduate seminar, with permission of Honors Coordinator. WI

Prerequisites & Notes: Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MUS 4450A - Advanced Violin III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4450B - Advanced Violin IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4451A - Advanced Viola III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4451B - Advanced Viola IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4452A - Advanced Violincello III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4452B - Advanced Violincello IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4453A - Advanced Double Bass III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4453B - Advanced Double Bass IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4454A - Advanced Guitar III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542 and MUS 2544. All students who wish to enroll in advanced-level applied study must have achieved junior standing in music. Credits: 1, 2 or 4

MUS 4454B - Advanced Guitar IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542 and MUS 2544. All students who wish to enroll in advanced-level applied study must have achieved junior standing in music. Credits: 1, 2 or 4

MUS 4460A - Advanced Piano III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4460B - Advanced Piano IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4461A - Advanced Organ III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4461B - Advanced Organ IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4463A - Advanced Jazz III.

(Arr.-Arr.-1, -2, or -4) F, S. Level three advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4463B - Advanced Jazz IV.

(Arr.-Arr.-1, -2, or -4) F, S. Level four advanced study in music performance on a one-to-one basis with a studio instructor. Open to music majors only. May be repeated once for credit. **Prerequisites & Notes:** MUS 2542, MUS 2544, and MUS 1110-1163. Achievement of Junior Standing. Credits: 1, 2 or 4

MUS 4541 - Sixteenth Century Counterpoint.

(2-0-2) S-even-numbered years. A basic study of techniques in polyphonic literature. Includes the styles of Palestrina and the English madrigalists. **Prerequisites & Notes:** MUS 2541. Credits: 2

MUS 4542 - Eighteenth Century Counterpoint.

(2-0-2) S-odd-numbered years. A basic study of contrapuntal harmonic practices, including inventions, canon, fugue, and forms based upon the chorale. **Prerequisites & Notes:** MUS 2541. Credits: 2

MUS 4555 - Honors Research.

(Arr.-Arr.-1-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be used. May be repeated as a substitute for graduate seminar, with permission of Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1 to 3

MUS 4600A - Independent Study I.

(Arr.-Arr.-1-3) Independent pursuit of a study or research project. Outline for student's plan of work must be submitted to chairperson, Department of Music, for approval and instructor assignment. May be repeated once for credit. A maximum of six credits of Independent Study is allowed. Credits: 1 to 3

MUS 4600B - Independent Study II.

(Arr.-Arr.-1-3) Independent pursuit of a study or research project. Outline for student's plan of work must be submitted to chairperson, Department of Music, for approval and instructor assignment. May be repeated once for credit. A maximum of six credits of Independent Study is allowed. Credits: 1 to 3

MUS 4600D - Independent Study III.

(Arr.-Arr.-1-3) Independent pursuit of a study or research project. Outline for student's plan of work must be submitted to chairperson, Department of Music, for approval and instructor assignment. May be repeated once for credit. A maximum of six credits of Independent Study is allowed. Credits: 1 to 3

MUS 4644 - Honors Thesis.

(Arr.-Arr.-1-3) Intensive research in preparation for a thesis on a topic in Music approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. Credits: 1 to 3

MUS 4666 - Honors Seminar.

(3-0-3) Concerns areas of investigation that integrate musical concepts and research methodologies. May be repeated as a substitute for graduate seminar, with permission of Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

MUS 4750 - Choral Arranging.

(2-0-2) S. A practical approach to developing skill in scoring and arranging for various vocal ensemble combinations. **Prerequisites & Notes:** MUS 1541, 1542, and 2541. Credits: 2

MUS 4770 - Vocal Literature.

(2-0-2) On Demand. The study of a selected topic in vocal literature from German Lied, French chanson, American and British art song or opera. May be taken twice for credit. Credits: 2

MUS 4840 - Band Arranging.

(2-0-2) S. A course in scoring and arranging materials for instrumental ensembles. **Prerequisites & Notes:** MUS 2541. Credits: 2

MUS 4850 - Jazz Band Arranging.

(2-0-2) S. A course dealing with the basic problems and techniques involved in arranging for a jazz band. **Prerequisites & Notes:** MUS 2543 or equivalent. Credits: 2

MUS 4861 - Jazz Pedagogy.

(2-0-2) On Demand. A study of the methods and materials necessary for teaching jazz music. Students will have peer teaching experiences. Students will need basic conducting and keyboard skills as well as a grasp of the fundamentals of music theory. This class is required of all students in the Jazz Studies Concentration. **Prerequisites & Notes:** Permission of the instructor. Credits: 2

MUS 4870 - Style Period Proseminar.

(3-0-3) Stylistic study of the music of a period pre-selected from the following: 1) Middle Ages; 2) Renaissance; 3) Baroque; 4) Rococo-Classical; 5) Romantic; and 6) Twentieth Century. May be repeated for a maximum of 18 semester hours of undergraduate credit or nine semester hours of graduate credit. **Prerequisites & Notes:** Prerequisite or corequisite: MUS 3584 or 3585 or 3586 or 3594 or 3595 or 3596. Credits: 3

MUS 4920 - Keyboard Literature.

(3-0-3) S. A study of selected literature. May be taken twice for credit. Credits: 3

MUS 4950 - Accompanying.

(Arr.-Arr.-1) S-even-numbered years. Vocal and instrumental accompanying techniques combined with practical application. May be substituted by keyboard principals and primaries for one hour of large ensemble. **Prerequisites & Notes:** Junior level or permission of the instructor. Credits: 1

MUS 4980A - Workshop in Music I.

(Arr.-Arr.-1-3) On Demand. Literature, theory, techniques, pedagogy, and/or style in various media. Undergraduate students may earn a maximum of eight semester hours credit of Workshop in Music I, II, III, provided the content is not repeated. Graduate students may enroll for a maximum of four semester hours provided the content is not repeated. Credits: 1 to 3

MUS 4980B - Workshop in Music II.

(Arr.-Arr.-1-3) On Demand. Literature, theory, techniques, pedagogy, and/or style in various media. Undergraduate students may earn a maximum of eight semester hours credit of Workshop in Music I, II, III, provided the content is not repeated. Graduate students may enroll for a maximum of four semester hours provided the content is not repeated. Credits: 1 to 3

NATIONAL STUDENT EXCHANGE (NSE)

NSE 3960 - National Student Exchange, Plan A.

(15-0-12 to 18) F, S. Enrollment in a National Student Exchange member institution. Student pays tuition to the host campus. Approval of the campus NSE Coordinator is required. **Prerequisites & Notes:** Students must have completed 12 hours of coursework at EIU with a GPA of 2.5 or higher. Equivalent course: Non-honors version of NSE 3990. Course may be repeated a maximum of two times. Credits: 12 to 18

NSE 3961 - National Student Exchange, Plan B.

(15-0-12 to 18) F, S. Enrollment in a National Student Exchange member institution. Student pays tuition and fees to EIU. Approval of NSE Coordinator is required. **Prerequisites & Notes:** Students must have completed 12 hours of coursework at EIU with a GPA of 2.5 or higher. Equivalent Course: Non-honors version of NSE 3991. Course may be repeated once. Credits: 12 to 18

NSE 3990 - National Student Exchange Plan A, Honors.

(15-0-12 to 18) F, S. Enrollment in a National Student Exchange member institution. Student pays tuition to the host campus. Approval of the campus NSE Coordinator is required. **Prerequisites & Notes:** Student must have completed 12 hours of coursework at EIU with a GPA of 3.0 or better. Admission to the Honors College required. Equivalent Course: Honors version of NSE 3960. Course may be repeated once. Credits: 12 to 18

NSE 3991 - National Student Exchange Plan B, Honors.

(15-0-12 to 18) F, S. Enrollment in a National Student Exchange member institution. Student pays tuition and fees to EIU. Approval of the campus NSE Coordinator is required. **Prerequisites & Notes:** Students must have completed 12 hours of coursework at EIU with a GPA of 3.0 or higher. Admission to the Honors College required. Equivalent Course: Honors version of NSE 3961. Course may be repeated once. Credits: 12 to 18

NURSING (NUR)

NUR 3103 - Theoretical Foundations of Professional Nursing Practice.

(3-0-3) On Demand. An overview of the development, structure, and function of professional nursing practice is provided. Role transition and professional socialization are enhanced through analysis of nursing conceptual foundations. Critical thinking, inquiry, information literacy and communication are emphasized. **Prerequisites & Notes:** Admission to the RN to BS in Nursing Program. Credits: 3

NUR 3203 - Medical Terminology.

(3-0-3) On Demand. This course focuses on terminology useful to health professionals and necessary for accurate understanding and effective communication in the clinical setting. Analysis of terms in the context of human anatomy and physiology is emphasized. Application and evaluation of terminology within the appropriate context of all major body systems in both health and disease is stressed. Course may not be repeated. Credits: 3

NUR 3303 - Advanced Nursing Health Assessment.

(2-2-3) F, S. Students build upon basic assessment skills to perform comprehensive nursing health assessment of individuals. History taking, including risk assessment, as well as physical and psychosocial assessment will be practiced. The development of sound clinical judgments based on accurate assessments will be applied. Each student is responsible for obtaining and maintaining the appropriate CPR certification, documentation of health requirements, and appropriate certified background checks as required by the specific clinical agency. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103. Restriction: Students must be accepted into the RN to BS in Nursing Program. Course may not be repeated. Credits: 3

NUR 3604 - Pathophysiology and Pharmacology in Professional Nursing Practice.

(4-0-4) On Demand. This course builds on basic knowledge of pathophysiology and pharmacology to enhance nursing management of illness and disease. Pathology, manifestations, diagnostics, treatments, and nursing interventions for selected disorders are addressed. Major classifications of drugs, their use in selected disorders, and nursing implications are discussed. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103; and admission to the RN to BS in Nursing Program. Credits: 4

NUR 3703 - Research in Professional Nursing.

(3-0-3) S. The role of research in nursing, the research process, design of nursing research, ethical principles, and research methodologies are examined. The use of critical thinking in evaluating and critiquing research studies and the application of research findings to evidence-based practice are emphasized. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103. Prior completion of Math 2250G or equivalent with a grade of "C" or better. Restriction: Students must be accepted into the RN to BS in Nursing Program. Course may not be repeated. Credits: 3

NUR 4106 - Leadership and Management in Nursing.

(3-6-6) F, S. This course focuses on theories and concepts related to management and leadership in nursing practice. Strategies for managing quality of care, safety and outcome issues, caseloads of patients, professional and support personnel, data analysis, finance and budgeting, and collaboration are addressed. Each student is responsible for obtaining and maintaining the appropriate CPR certification, documentation of health requirements, and appropriate certified background checks as required by the specific clinical agency. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103. Restriction: Students must be accepted into the RN to BS in nursing program. Course may not be repeated. Credits: 6

NUR 4203 - Nursing, Health Care, Policies, and Politics.

(3-0-3) On Demand. A systematic overview of the structure and function of American health care system is offered. The historical development, emerging directions, issues, and major forces influencing the health care system are discussed. The role of professional nursing in health care organizations, planning, and policy formation is explored. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103; and admission to the RN to BS in Nursing Program. Credits: 3

NUR 4506 - Nursing and the Community.

(3-6-6) F, S. An overview of public and community health nursing practice within a context of systems theory is provided. Community assessment and principles of epidemiology are explored. Primary, secondary, and tertiary prevention interventions to individuals, families, groups, aggregates, and communities, are emphasized. Each student is responsible for obtaining and maintaining the appropriate CPR certification, documentation of health requirements, and appropriate certified background checks as required by the specific clinical agency. **Prerequisites & Notes:** Prior or concurrent enrollment in NUR 3103. Restriction: Students must be accepted into the RN to BS in Nursing Program. Course may not be repeated. Credits: 6

NUR 4604 - Professional Seminar.

(4-0-4) F, S. This course focuses on the professional development of nurses and issues affecting contemporary nursing practice. Professional development through participation in professional organizations, planning a career trajectory, and personal change are addressed. Students synthesize program outcomes through a capstone project. **Prerequisites & Notes:** Previous or concurrent enrollment in NUR 3303, NUR 3604, NUR 3703, NUR 4106, NUR 4203, and NUR 4506. Restriction: Students must be accepted into the RN to BS in nursing program. Course may not be repeated. Credits: 4

ORGANIZATIONAL & PROFESSIONAL DEVELOPMENT (OPD)**OPD 3000 - Learning Analysis Through Portfolio Development.**

(3-0-3) On Demand. This course is designed to enable Organizational & Professional Development majors to understand how to assess and document workplace experiential learning for college-level learning. This highly experiential course emphasizes the identification and development of skills as well as the conceptual frameworks needed to write the portfolio. This course is restricted to Organizational & Professional Development students. Credits: 3

OPD 3200 - Occupational Experience.

(Up to 30 sem. hrs.) Credit for documented experience in a teachable occupation or cluster of occupations. This is the designation for occupational credit earned or awarded for occupational proficiency. Credits: up to 30

OPD 3300 - Occupational Subjects.

(Up to 20 sem. hrs.) Credit is evaluated for occupational study in accredited and selected other programs such as technical institutes, occupational programs in junior colleges, proprietary schools, military technical schools, USAFI, Service Schools, and other Armed Services courses. Credits: Up to 20

OPD 4275 - Organizational & Professional Development Internship.

(Arr.-Arr.-1-15) (Credit/No Credit) Experience includes job skills and knowledge, management-worker relations, supervised instruction, conferences and evaluations. One semester hour up to a maximum of 15 semester hours will be awarded for directed work experience internships. May be repeated once. Credits: 1 to 15

OPD 4275A - Organizational & Professional Development Internship I.

(Arr.-Arr.-1-15) (Credit/No Credit) Experience includes job skills and knowledge, management-worker relations, supervised instruction, conferences and evaluations. One semester hour up to a maximum of 15 semester hours will be awarded for directed work experience internships. May be repeated once. Credits: 1 to 15

OPD 4275B - Organizational & Professional Development Internship II.

(Arr.-Arr.-1-15) (Credit/No Credit) Experience includes job skills and knowledge, management-worker relations, supervised instruction, conferences and evaluations. One semester hour up to a maximum of 15 semester hours will be awarded for directed work experience internships. May be repeated once. Credits: 1 to 15

OPD 4275D - Organizational & Professional Development Internship III.

(Arr.-Arr.-1-15) (Credit/No Credit) Experience includes job skills and knowledge, management-worker relations, supervised instruction, conferences and evaluations. One semester hour up to a maximum of 15 semester hours will be awarded for directed work experience internships. May be repeated once. Credits: 1 to 15

OPD 4300 - Special Study in Organizational & Professional Development.

(Arr.-Arr.-3) Provides opportunity for in-depth study of selected problems in occupational education for which there is not an established course. May be taken for credit only once. **Prerequisites & Notes:** Prior approval by the Director and assignment of an appropriate instructor. Credits: 3

OPD 4700 - Leadership in Organizations.

(3-0-3) On Demand. This course covers leadership concepts and theories at the individual and organizational levels. Students will apply these concepts and theories to examine their own leadership practices in organizations through completion of self-assessments, experiential exercises, and participation in team projects. Credits: 3

OPD 4800 - Strategies and Processes of Teaching and Training.

(3-0-3) Application of strategies of teaching and training, presentation skills, lesson planning, and instructional technologies such as experiential learning, problem solving, simulation, computerized instruction, and micro-teaching for career and technical teachers and human resource development trainers. Credits: 3

OPD 4810 - Principles of Career Development.

(3-0-3) The nature, purpose, and philosophy of career education as it relates to the career development of individuals. Includes an overview of various levels of career development and the contributions various career development theories make to a total program of career development. Contemporary problems and issues in career development. Credits: 3

OPD 4815 - Conflict in Organizations

(3-0-3) S. Conflict resolution skills are necessary to improve work relationships and accomplish organizational goals within organizations. This course studies conflict as an organizational phenomenon, including conflict dynamics in the workplace and models for conflict resolution systems within organizations. Course may not be repeated. WI Credits: 3

OPD 4820 - Change Strategies in Organizations.

(3-0-3) F. A study, from the worker's perspective, of how technology affects social processes in occupational environments; human resource development; open systems theories; diagnosing occupational systems; change strategies; and the worker's adaptation of occupational settings to changing environmental demands. WI Credits: 3

OPD 4825 - Ethical Behavior in Organizations

(3-0-3) S. This course will encompass the major issues surrounding and affecting ethics within an organization, including recognizing ethical issues, making ethical judgments in organizations, and understanding the importance of organizational ethics programs. Credits: 3

OPD 4830 - Organizational Perspectives: Past, Present and Future.

(3-0-3) F. This course involves the study of the nature of organizations from varying perspectives including historical, philosophical, technological, psychological and sociological with prospects and directions for the future. WI Credits: 3

OPD 4835 - Supervision in Organizations.

(3-0-3) F, S. The study of the theories, principles, and practices of supervision in organizations, emphasizing how supervisors organize an effective work unit, initiate change, stimulate individual or group performance, and cope with workplace dynamics. WI Credits: 3

OPD 4840 - Training Program Development.

(3-0-3) S. In-depth study of the establishment and operation of training programs of human resource development in the public or private sectors with emphasis on needs assessment, program design, proposal preparation, staffing, fiscal budgeting and monitoring, fiscal justification, program evaluation, impact assessment, and applied legalities. Credits: 3

OPD 4845 - Improvement in Organizations.

(3-0-3) F. This course is designed to acquaint students with methods for understanding and improving organizational performance. Included in this course are techniques for identifying problems, philosophies and techniques for addressing problems, and planning for measurable improvement. Credits: 3

OPD 4850 - Special Topics in Organizational & Professional Development.

(1-0-1) or (2-0-2) or (3-0-3) A study of special topics regarding: instructional systems design and development; emerging audio-visual technology such as interactive laser video, "distance" learning; advancing andragogical foundations of experiential learning, critical thinking and small group learning; human resource development; and other specialized topics as they emerge. Credits: 1 to 3

OPD 4850A, B, D-F, H-N. - Special Topics in Organizational & Professional Development.

(1-0-1) or (2-0-2) or (3-0-3) A study of special topics regarding: instructional systems design and development; emerging audio-visual technology such as interactive laser video, "distance" learning; advancing andragogical foundations of experiential learning, critical thinking and small group learning; human resource development; and other specialized topics as they emerge. Credits: 1-3

OPD 4855 - Web-Based Training and Instruction.

(3-0-3) F. This course provides an overview of the fundamental theory and principles of how to design, develop, and manage web-based training (WBT) programs for adult learners within industry, service, and other organizations. Participants will design, develop and implement a web-based course. Credits: 3

OPD 4860 - Facilitating Learning and Project Groups.

(3-0-3) People at all organizational levels accomplish their work alongside and through others. A fundamental workplace competency is the capacity to facilitate learning and project groups. Participants will practice facilitation principles and strategies, including how to deal with common facilitation problems. WI Credits: 3

OPD 4865 - Diversity in Organizations.

(3-0-3) On Demand. The study of the differences between employees' cultural values and how these differences affect the work environment. This course will help in developing potential skills to analyze and improve an organization's performance in managing diversity. Credits: 3

OPD 4870 - Coaching and Mentoring for Critical Thinking in the Workplace.

(3-0-3) People in the workplace are increasingly expected to think critically about their work rather than simply follow a supervisor's instructions. Participants will explore and apply principles of coaching and mentoring for critical thinking to the workplace, classroom, and training room. WI Credits: 3

OPD 4880 - Productive Work Teams.

(3-0-3) The multiple roles and responsibilities needed to function effectively in productive work teams are stressed by being a member of class teams and studying teams. This highly experiential, research-based, and applications-oriented course emphasizes assessment of self, team effectiveness, and organizational readiness for teams. Credits: 3

OPD 4890 - Accelerated Learning and Training.

(3-0-3) This researched-based, applications-oriented, highly experiential course connects research to practice by using accelerated learning (AL) principles to accelerate learning and training. Proven AL methods are practiced in the class. Brain-based research, learning theory, and AL best practices are used as the basis for designing and facilitating learning. Credits: 3

PHILOSOPHY (PHI)**PHI 1000G - Introduction to Philosophy.**

(3-0-3) F, S. An introduction to Philosophy through ancient, medieval, modern, and contemporary sources. The course includes main areas such as ethics, metaphysics, epistemology, aesthetics, and philosophy of religion. Credits: 3

PHI 1090G - Introduction to Philosophy, Honors.

(3-0-3) F, S. An introduction to Philosophy through ancient, medieval, modern, and contemporary sources. The course includes main areas such as ethics, metaphysics, epistemology, aesthetics, and philosophy of religion. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PHI 1900G - Logical and Critical Reasoning.

(3-0-3) F, S. A study of the structure and evaluation of arguments, focusing upon: analysis and informal evaluation of everyday arguments; problem-solving strategies; formal tests of validity; conversational contexts of argumentation, and the interaction of contextual principles with principles of validity. H4 906 Credits: 3

PHI 1990G - Logical and Critical Reasoning, Honors.

(3-0-3) F, S. A study of the structure and evaluation of arguments, focusing upon analysis and informal evaluation of everyday arguments; problem-solving strategies; formal tests of validity; conversational contexts of argumentation, and the interaction of contextual principles with principles of validity. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PHI 2000 - Ancient Philosophy.

(3-0-3) F. An introductory historical approach to the ideas of Socrates, Plato, Aristotle and selected early Greek philosophers. H4 901; WI Credits: 3

PHI 2010 - Eastern Philosophies.

(3-0-3) S-even-numbered years. An introduction to the traditional philosophical-religious ideas of the life and culture of China, India, and Japan. H4 903N; WI Credits: 3

PHI 2090 - Ancient Philosophy, Honors.

(3-0-3) S-even-numbered years. An introductory historical approach to the ideas of Socrates, Plato, Aristotle and selected early Greek philosophers. H4 901 **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PHI 2500G - Introduction to Ethics.

(3-0-3) F, S. A philosophical study of "the good life": What constitutes a good life: "How ought one to live?" Examination and critical analysis of a variety of ethical theories from classical through the present and their practical application to contemporary issues. H4 900 Credits: 3

PHI 2590G - Introduction to Ethics, Honors.

(3-0-3) F, S. A philosophical study of "the good life": What constitutes a good life: "How ought one to live?" Examination and critical analysis of a variety of ethical theories from classical through the present and their practical application to contemporary issues. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PHI 3020 - Ethics.

(3-0-3) S. Analysis and evaluation of principal theories and problems concerning Right, Good and the validity of moral standards and moral conduct. WI Credits: 3

PHI 3030 - Science and Human Values.

(3-0-3) F-odd-numbered years. An introductory examination of the character of scientific inquiry and its impact on religion, moral and political values. WI Credits: 3

PHI 3040 - Philosophy of Art.

(3-0-3) F-even-numbered years. A critical examination of aesthetic experience and fine art: artistic creativity, the work of art, and criteria of judgment. WI Credits: 3

PHI 3050G - Social and Political Philosophy.

(3-0-3) F-odd-numbered years. A study of some theoretical approaches to understanding social, economic, and political relations. The focus will be on political liberty and its critics from Marxist, feminist, and other perspectives. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

PHI 3070 - Philosophy of Law.

(3-0-3) On Demand. An assessment of philosophical aspects of the law such as how human laws relate to God's laws or moral laws; when civil disobedience is justified; whether rights can be limited; nature of responsibility and punishment; and selected current topics. WI Credits: 3

PHI 3100G - Cultural Foundations I.

(3-0-3) F, S. An in-depth look at three cultural foundations, two Western and one African. The course examines societies and values by exploring primary texts in literature, philosophy, and religion. Cross-listed with ENG 3100G. WI **Prerequisites & Notes:** ENG 1001G, ENG 1002G. Credits: 3

PHI 3110G - Cultural Foundations II.

(3-0-3) S. An in-depth look at three significant Eastern cultural foundations. The course examines societies and values by exploring primary texts in literature, philosophy and religion. Cross-listed with ENG 3110G. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

PHI 3220 - Medieval Philosophy.

(3-0-3) S-odd-numbered years. An examination of the principal philosophers from Epicurus through St. Thomas Aquinas. WI Credits: 3

PHI 3260 - Modern Philosophy.

(3-0-3) S. Philosophical thought during the scientific revolution and the Enlightenment, including the influence of the new sciences and of reason on religious, moral, and metaphysical beliefs. Readings include Descartes, Hume, and Kant. WI Credits: 3

PHI 3280 - Nineteenth Century Philosophy.

(3-0-3) F-even-numbered years. Focuses on the post-Enlightenment critique of objective truth given historical, economic, and cultural situatedness. Readings include Hegel, Marx, and Nietzsche. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3290 - Modern Philosophy, Honors.

(3-0-3) F-even-numbered years. Philosophic thought from Galileo to Kant; the foundations of modern science and implications for religious, moral and political theory. **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PHI 3310 - Indian Philosophy.

(3-0-3) F-even-numbered years. A comprehensive study of the philosophical and religious traditions of Indian thought and culture. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3320 - Chinese Philosophy.

(3-0-3) S-even-numbered years. A comprehensive study of the philosophical and religious traditions of Chinese culture. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3500 - Metaphysics.

(3-0-3) S-odd-numbered years. This course is an examination of contemporary analytical metaphysics: topics include the nature of truth, identity (including personal identity), possible worlds, material constitution and freedom of the will. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3520 - Necessity, Possibility, and Existence.

(3-0-3) F-odd-numbered years. An historical survey of concepts and reasoning techniques about necessity, possibility and actual existence. Credits: 3

PHI 3540 - Philosophy of Mind.

(3-0-3) F-even-numbered years. A study of the major issues surrounding the concepts of mind and consciousness, and the nature of the intellectual faculties, as dealt with both historically and in contemporary theories of cognition. WI Credits: 3

PHI 3600 - Philosophy of Religion.

(3-0-3) F-odd-numbered-years. A philosophical interpretation of religion, religious experience, and fundamental problems: God, evil, immortality, religious knowledge. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3680 - Buddhism.

(3-0-3) S-odd-numbered years. An in-depth study of the philosophical, religious and historical aspects of Buddhism. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3700G - Language and Human Nature.

(3-0-3) On Demand. A study of human language structure as an object of scientific inquiry and its relation to questions of human nature. WI Credits: 3

PHI 3720 - Theory of Knowledge.

(3-0-3) F-odd-numbered years. This course is an examination of contemporary epistemology: topics include the nature of rationality, truth, an analysis of knowledge, and a study of the sources of human knowledge. WI **Prerequisites & Notes:** Three semester hours in Philosophy or permission of the instructor. Credits: 3

PHI 3780 - Philosophy of Science.

(3-0-3) S-even-numbered years. A study of the major philosophical views concerning the nature and practice of science, and including such topics as theory, experimentation, and the relation of these to reality and human life. WI Credits: 3

PHI 3800 - Phenomenology and Existentialism.

(3-0-3) F-even-numbered years. An examination of the leading exponents of the phenomenological movement in 20th century philosophy, including existentialism. The course will cover such figures as Husserl, Heidegger, Sartre, Jaspers and Merleau-Ponty. WI Credits: 3

PHI 3820 - Contemporary European Philosophy.

(3-0-3) S-odd-numbered years. A survey of contemporary movements in European philosophy, including hermeneutics, deconstruction, critical theory, post-structuralism, and post-modernism. Covers the later Heidegger, Derrida, Foucault, Habermas, Ricoeur, Gadamer, Lyotard and Rorty. WI Credits: 3

PHI 3900 - Symbolic Logic.

(3-0-3) S. A survey of formal methods for analyzing and evaluating arguments. **Prerequisites & Notes:** PHI 1900G or permission of the instructor. Credits: 3

PHI 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

PHI 3980 - Special Topics in Philosophy.

(3-0-3) On Demand. An in-depth treatment of a single topic or figure in Philosophy, reflecting the special interests of students and the instructor. May be repeated once for credit. Credits: 3

PHI 4400A - Independent Study I.

(Arr.-Arr.1-6) Intensive individual study of a topic in Philosophy selected by the student under supervision of the instructor. **Prerequisites & Notes:** Approval of the department chairperson. The student must submit a study plan for approval by the department chair and faculty supervisor prior to registration. With permission of the department chairperson, a maximum of six semester hours may be earned in a combination of PHI 4400A, PHI 4400B, PHI 4400D and applied to the Philosophy major or minor. May be repeated once for credit. Credits: 1 to 6

PHI 4400B - Independent Study II

(Arr.-Arr.1-6) Intensive individual study of a topic in Philosophy selected by the student under supervision of the instructor. **Prerequisites & Notes:** Approval of the department chairperson. The student must submit a study plan for approval by the department chair and faculty supervisor prior to registration. With permission of the department chairperson, a maximum of six semester hours may be earned in a combination of PHI 4400A, PHI 4400B, PHI 4400D and applied to the Philosophy major or minor. May be repeated once for credit. Credits: 1 to 6

PHI 4400D - Independent Study III.

(Arr.-Arr.1-6) Intensive individual study of a topic in Philosophy selected by the student under supervision of the instructor. **Prerequisites & Notes:** Approval of the department chairperson. The student must submit a study plan for approval by the department chair and faculty supervisor prior to registration. With permission of the department chairperson, a maximum of six semester hours may be earned in a combination of PHI 4400A, PHI 4400B, PHI 4400D and applied to the Philosophy major or minor. May be repeated once for credit. Credits: 1 to 6

PHI 4444 - Honors Independent Study.

(3-0-3) Consideration of special topics in Philosophy. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PHI 4480 - Seminar.

(3-0-3) S. Advanced study of selected problems, topics, or philosophers. WI **Prerequisites & Notes:** Nine semester hours in Philosophy and permission of the instructor. May be taken twice for credit with permission of the department chairperson. Credits: 3

PHI 4555 - Honors Research.

(3-0-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PHI 4644 - Honors Thesis.

(3-0-3) Intensive research in preparation of a thesis on a topic in Philosophy approved by faculty supervisor and the Departmental Honors Coordinator. May be taken twice for credit. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PHI 4666 - Honors Seminar.

(3-0-3) Areas of investigation which require integration of Philosophy and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PHYSICAL SCIENCES (PHS)

PHS 3400 - Methods of Teaching Physical Sciences.

(3-0-3) F. Science lesson presentations and examination of current literature concerning new approaches in teaching chemistry and physics. Thirty clock hours in pre-student teaching are included. **Prerequisites & Notes:** EDP 3331 and SED 3330; for ISEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110. Credits: 3

PHYSICS (PHY)

PHY 1000 - Engineering Orientation.

(Arr.-0-0) F, S. Informational presentations concerning Engineering, in general, and the various engineering specialties that students may elect to pursue. Required of all pre-engineering majors during each semester of attendance. Credits: Audit only

PHY 1051G - Physics of the Modern World.

(3-0-3) On Demand. An introduction to some of the revolutionary ideas of modern physics, such as quantum theory, atomic and nuclear physics, Einstein's theory of relativity, the Heisenberg uncertainty principle, operation and applications of lasers and other modern technology. These and other topics may be discussed at the discretion of the instructor. P1 901 Credits: 3

PHY 1052G - Adventures in Physics.

(3-0-3) F, S. An introduction to the universal laws of nature, their governance of phenomena in everyday life, and their application to inventions in our technological society. PHY 1053G must be taken concurrently. Online sections are available to off-campus students only. P1 901 Credits: 3

PHY 1053G - Adventures in Physics Laboratory.

(0-2-1) F, S. Experimental work demonstrating physical principles and their applications. PHY 1052G must be taken concurrently. Online sections are available to off-campus students only. P1 901L Credits: 1

PHY 1055G - Principles of Astronomy.

(3-0-3) An introduction to the solar system, planets, stars, galaxies, evolution of stars, neutron stars, black holes, cosmology, and the structure of the early universe. Credit for PHY 1055G will not be granted if the student already has credit for PHY 1095G or 3045G. P1 906
Prerequisites & Notes: Co-requisite: Physics 1056G must be taken concurrently. Credits: 3

PHY 1056G - Principles of Astronomy Laboratory.

(0-2-1) Experimental work demonstrating astronomical principles and techniques and their applications. P1 906L **Prerequisites & Notes:** Co-requisite: Physics 1055G must be taken concurrently. Credits: 1

PHY 1071 - Physics of Sound and Music.

(3-0-3) F, S. Development of basic ideas in physics of motion and applications to vibrations and sound waves. Introductory concepts in perception of loudness, pitch, and timbre. Fundamental ideas in acoustics of rooms and acoustics of musical instruments. Does not count toward a physics major or minor. P1 901 **Prerequisites & Notes:** Co-requisite: Physics 1072. Credits: 3

PHY 1072 - Physics of Sound and Music Laboratory.

(0-2-1) F, S. Experimental work demonstrating physical and acoustical principles and their applications. P1 901L **Prerequisites & Notes:** Co-requisite: PHY 1071. Credits: 1

PHY 1095G - Principles of Astronomy, Honors.

(3-0-3) F. An introduction to the solar system, planets, stars, galaxies, evolution of stars, neutron stars, black holes, cosmology, and the structure of the early universe. Credit for PHY 1095G will not be granted if the student already has credit for PHY 1055G or 3045G.
Prerequisites & Notes: Admission to the University Honors College. Co-requisites: Physics 1096G must be taken concurrently. Credits: 3

PHY 1096G - Principles of Astronomy Laboratory, Honors.

(0-2-1) F. Experimental work demonstrating astronomical principles and techniques and their applications. **Prerequisites & Notes:** Admission to the University Honors College. Co-requisites: Physics 1095G must be taken concurrently. Credits: 1

PHY 1151G - Principles of Physics I.

(3-0-3) Mechanics; Newton's Laws of Motion, Energy, Momentum, Conservation Principles, Gravity, Simple Harmonic Motion, Waves, Heat. This course is designed for majors in geology, life sciences, health professions, applied engineering and technology, etc. **P1 900**
Prerequisites & Notes: MAT 1400 and MAT 1330; or 1340; or a satisfactory ACT mathematics score. Co-requisite: Physics 1152G must be taken concurrently. Credit not given for both PHY 1151G and PHY 1351G. Credits: 3

PHY 1152G - Principles of Physics I Laboratory.

(0-2-1) Experimental work demonstrating physics principles and their applications. P1 900L **Prerequisites & Notes:** MAT 1400 and MAT 1330; or a satisfactory ACT mathematics score. Co-requisite: Must be taken concurrently with Physics 1151G. Credit not given for both PHY 1152G and PHY 1352G. Credits: 1

PHY 1161 - Principles of Physics II.

(3-0-3) Electricity and Magnetism, Optics, Modern Physics. Designed for majors in geology, life sciences, health professions, applied engineering and technology, etc. **Prerequisites & Notes:** PHY 1151G and MAT 1400. Co-requisite: Physics 1162 must be taken concurrently. Credit not given for both 1161 and 1361. Credits: 3

PHY 1162 - Principles of Physics II Laboratory.

(0-2-1) Experimental work demonstrating physics principles and their applications. **Prerequisites & Notes:** PHY 1152G and MAT 1400. Co-requisite: Must be taken concurrently with Physics 1161. Credit not given for both 1162 and 1362. Credits: 1

PHY 1351G - General Physics I.

(3-0-3) F, S. Classical mechanics including a detailed study of statics, kinematics, dynamics, simple harmonic motion; with straight-line, projectile, and rotational motion; also conservation principles, work, energy, momentum. The first of a three-semester sequence designed for students in chemistry, pre-engineering, mathematics, physics, etc. **Prerequisites & Notes:** Co-requisites: Physics 1352G must be taken concurrently as well as MAT 1441G. Credit not given for both 1351G and 1151G. BIO 903 Credits: 3

PHY 1352G - General Physics I Laboratory.

(0-3-1) F, S. Experimental work demonstrating physics principles and their applications. **Prerequisites & Notes:** Co-requisites: Must be taken concurrently with Physics 1351G as well as MAT 1441G. Credit not given for both PHY 1352G and 1152G. Credits: 1

PHY 1361 - General Physics II.

(3-0-3) F, S. Thermodynamics, electricity and magnetism. The second of a three-semester sequence designed for students in chemistry, pre-engineering, mathematics, physics, etc. EGR 912; BIO 904 **Prerequisites & Notes:** PHY 1351G. Co-requisites: Physics 1362 must be taken concurrently as well as MAT 2442. Credit not given for both PHY 1361 and 1161. Credits: 3

PHY 1362 - General Physics II Laboratory.

(0-3-1) F, S. Experimental work demonstrating physics principles and their applications. **Prerequisites & Notes:** PHY 1352G. Co-requisites: Must be taken concurrently with Physics 1361 as well as MAT 2442. Credit not given for both PHY 1362 and 1162. Credits: 1

PHY 1371 - General Physics III.

(3-0-3) F, S. Wave motion and sound, optics, modern physics. The third of a three-semester sequence designed for students in chemistry, pre-engineering, mathematics, physics, etc. EGR 914; BIO 904 **Prerequisites & Notes:** PHY 1361, 1362 Co-requisites: Physics 1372 must be taken concurrently as well as MAT 2443. Credits: 3

PHY 1372 - General Physics III Laboratory.

(0-3-1) F, S. Experimental work demonstrating physics principles and their applications. **Prerequisites & Notes:** PHY 1362. Co-requisites: Must be taken concurrently with Physics 1371 as well as MAT 2443. Credits: 1

PHY 1391G - General Physics I, Honors.

(3-0-3) F. A quantitative study of kinematics, statics, dynamics and simple harmonic motion. Equations of motion are based upon an application of Newton's Laws, conservation principles, the work-energy theorem and Newton's Law of Universal Gravitation. **Prerequisites & Notes:** Admission to the University Honors College. Co-requisites: Physics 1392G must be taken concurrently as well as MAT 1441G. Credit not given for both 1391G and 1351G or 1151G. Credits: 3

PHY 1392G - General Physics I Laboratory, Honors.

(0-3-1) F. Experimental work demonstrating physics principles and their applications. **Prerequisites & Notes:** Admission to the University Honors College. Co-requisites: Must be taken concurrently with Physics 1391G as well as MAT 1441G. Credit not given for 1392G and 1352G or 1152G. Credits: 1

PHY 2390 - Statics.

(3-0-3) F. Force and moment resultants of force systems; equilibrium analysis using free-body diagrams; force analysis of trusses, frames, cables, etc.; shear-force and bending-moment distributions; Coulomb friction; centroids, center of mass, moments and products of inertia; virtual work; hydrostatic pressure. EGR 942 **Prerequisites & Notes:** PHY 1351, PHY 1352 or permission of the instructor. Co-requisite: MAT 2443. Credits: 3

PHY 2400 - Dynamics.

(3-0-3) S. Kinematics and dynamics of the three-dimensional motion of particles; kinematics and dynamics of the plane motion of rigid bodies; methods of work-energy and impulse-momentum; moving reference frames, vibrations, central force motion. EGR 943 **Prerequisites & Notes:** PHY 2390 and MAT 2443. Credits: 3

PHY 2601A - Introductory Research in Physics 1A.

(Arr.-Arr.-1) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 1

PHY 2601B - Introductory Research in Physics 1B.

(Arr.-Arr.-1) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 1

PHY 2601D - Introductory Research in Physics 1D.

(Arr.-Arr.-1) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 1

PHY 2602A - Introductory Research in Physics 2A.

(Arr.-Arr.-2) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 2

PHY 2602B - Introductory Research in Physics 2B.

(Arr.-Arr.-2) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 2

PHY 2602D - Introductory Research in Physics 2D.

(Arr.-Arr.-2) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 2

PHY 2603A - Introductory Research in Physics 3A.

(Arr.-Arr.-3) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 3

PHY 2603B - Introductory Research in Physics 3B.

(Arr.-Arr.-3) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 3

PHY 2603D - Introductory Research in Physics 3D.

(Arr.-Arr.-3) Faculty-supervised experimental, theoretical, or computational research. A written record of work is required. A short oral presentation will be made that summarizes the student's work for the semester. May not be repeated for credit. **Prerequisites & Notes:** PHY 1351G, 1352G, permission of instructor, and permission of department chair. Credits: 3

PHY 3001 - Laser Safety.

(3-0-3) F-even-numbered years. An introduction to laser safety in a professional setting. This course develops the fundamentals of laser operation. There is further study into safety issues involved in using lasers including hazards and protection. A working knowledge of the standards of laser safety and how to create a safer workplace is developed in this course. Students learn the practical matters as well as the legal issues facing a laser safety officer. **Prerequisites & Notes:** PHY 1161 or PHY 1371 and MAT 1441G or MAT 2110G. Credits: 3

PHY 3002 - Introduction to Health Physics.

(3-0-3) S. Nuclear physics and radioactivity, radiological measurements, interactions of radiation with matter, radiation exposure and biological damage, safe radiological procedures and practices. **Prerequisites & Notes:** PHY 1372 (or PHY 1162 with permission of Chair); and MAT 1441G (or MAT 2110G). Credits: 3

PHY 3010* - Special Topics in Physics.

(Arr.-Arr.-1-3) F, S. A course in a selected area of Physics. Each lettered course may not be repeated. **Prerequisites & Notes:** Prerequisites dependent on the topics being offered and determined by the faculty and Chair. Only six semester hours of Special Topics in Physics courses may be counted toward Physics major.

*Course Numbers: PHY 3010A, B, D-F, H-M, O-R, T-Z Credits: 1 to 3

PHY 3045G - Wonders of Astronomy.

(3-0-3) The course introduces students to physical laws governing the Universe. Origin, evolution and the final fate of the planets, stars, galaxies and the Universe are discussed. The course is technology delivered only and is available to off-campus students only. It is for students whose programs do not require PHY 1055G/1056G. Credit for PHY 3045G will not be granted if the student already has credit for PHY 1055G or PHY 1095G. Credits: 3

PHY 3050G - Excursions in Physics.

(3-0-3) Selected topics in Physics will be explored to illustrate a variety of physical situations and to acquaint the student with some of the underlying fundamental ideas and processes and methods of Physics. Credits: 3

PHY 3080 - Modern Physics I.

(3-0-3) S. The fundamental concepts of physics of the twentieth century are taught within a limited mathematical framework. **Prerequisites & Notes:** PHY 1371, 1372 and MAT 2443. Credits: 3

PHY 3090 - Modern Physics II.

(3-0-3) F-odd-numbered years. Continuation of PHY 3080 applied to the subjects of atomic, molecular, solid state physics, lasers and selected topics from twentieth century physics. **Prerequisites & Notes:** PHY 3080. Credits: 3

PHY 3100 - Astronomical Techniques.

(2-3-3) S-odd-numbered years. An introductory course in observational astronomy, with a two part emphasis. The first part covers the use and theory of modern telescopes, CCD cameras, filters, and spectrometers, while the second part covers the handling, calibration and reduction of data using astronomical image analysis software and other computer programs. Topics on the gathering of data outside the visible parts of the spectrum will also be addressed. **Prerequisites & Notes:** PHY 1055G, 1371, and 1372. Credits: 3

PHY 3150 - Electronics.

(2-4-4) F. A study of the fundamental principles of, and hands-on experience with, analog electronics. Topics include: DC, AC and transient circuit analysis techniques, rectification, active and passive filtering, regulation, oscillator circuits, and computer simulations using PSpice. **Prerequisites & Notes:** PHY 1161, 1162 or 1361, 1362; MAT 2110G or 1441G. Credits: 4

PHY 3270 - Introduction to Circuit Analysis.

(4-0-4) S. Basic principles of network analysis, including Kirchoff's laws, node and mesh equations, equivalent circuits, operational amplifiers, transient analysis, sinusoidal steady-state analysis, three-phase circuits, transformers, network functions, and frequency response. EGR 931 **Prerequisites & Notes:** PHY 1361, PHY 1362; prior credit or concurrent enrollment in MAT 3501. Credits: 4

PHY 3300 - Advanced Classical Mechanics.

(3-0-3) S-odd-numbered years. The theory of rigid body motion. Lagrangian and Hamiltonian mechanics, coupled oscillating systems, normal modes and relativistic kinematics and dynamics. **Prerequisites & Notes:** PHY 2400. Credits: 3

PHY 3320 - Computational Methods in Physics and Engineering.

(3-3-4) S-even-numbered years. An introduction to various numerical methods for solution of nonlinear equations, numerical differentiation, solution of ordinary differential equations for both initial-value and boundary-value problems. This course focuses on practical applications of these methods in simple physics and engineering systems and hands-on experience with computer modeling and simulation. **Prerequisites & Notes:** PHY 1371, MAT 2170, concurrent or prior enrollment in MAT 2550. Credits: 4

PHY 3350 - Introduction to Solid State Physics.

(3-0-3) S-odd-numbered years. Discussion of crystal structure, crystallography, the theory of thermal and electrical transport properties of metals, semiconductivity, and superconductivity. **Prerequisites & Notes:** Co-requisite: PHY 3410 or CHM 3920. Credits: 3

PHY 3410 - Electricity and Magnetism I.

(3-0-3) F-even-numbered years. Coulomb's law, electric fields, potential, Gauss' law, capacitance, dielectrics, electrostatic energy, DC circuits, introduction to magnetic fields and forces, induction. **Prerequisites & Notes:** PHY 2400 and Co-requisite: MAT 3501. Credits: 3

PHY 3420 - Electricity and Magnetism II.

(3-0-3) S-odd-numbered years. Advanced magnetism, magnetic materials, magnetic energy, varying electric currents, AC circuits, Maxwell's equations, electromagnetic radiation. **Prerequisites & Notes:** PHY 3410. Credits: 3

PHY 3500A - Laboratory Practicum A.

(0-3-1) F, S. Practical experience in laboratory procedures for introductory physics laboratories. Students will gain experience in the methods of preparation and presentation of physics laboratories. This course is open only to Physics majors and majors in Science with Teacher Certification, Physics Specialization. May not be repeated. **Prerequisites & Notes:** PHY 1371, 1372. Credits: 1

PHY 3500B - Laboratory Practicum B.

(0-3-1) F, S. Practical experience in laboratory procedures for introductory physics laboratories. Students will gain experience in the methods of preparation and presentation of physics laboratories. This course is open only to Physics majors and majors in Science with Teacher Certification, Physics Specialization. May not be repeated. **Prerequisites & Notes:** PHY 1371, 1372. Credits: 1

PHY 3500D - Laboratory Practicum D.

(0-3-1) F, S. Practical experience in laboratory procedures for introductory physics laboratories. Students will gain experience in the methods of preparation and presentation of physics laboratories. This course is open only to Physics majors and majors in Science with Teacher Certification, Physics Specialization. May not be repeated. **Prerequisites & Notes:** PHY 1371, 1372. Credits: 1

PHY 4000 - Seminar in Physics.

(1-0-1) F, S. Reports and discussions of selected topics with instructor approval for oral presentation. Required of junior majors. May be taken twice for credit. **Prerequisites & Notes:** PHY 1161 or PHY 1371. Credits: 1

PHY 4010 - Seminar in Physics.

(1-0-1) F, S. Reports and discussions of selected topics with instructor approval for oral presentation. Required of senior majors. May be taken twice for credit. **Prerequisites & Notes:** PHY 1161 or PHY 1371. Credits: 1

PHY 4100 - Astrophysics.

(3-0-3) S-even-numbered years. An introductory course in astrophysics, with an emphasis on applying the tools of mechanics, electromagnetism, thermodynamics, and quantum theory to understand the processes inherent in galaxies, cosmology and the structure and evolution of stars. **Prerequisites & Notes:** PHY 3080. Credits: 3

PHY 4320 - Computational Physics.

(3-3-4) S-odd-numbered years. This is a project-oriented course in computational physics, with an emphasis on the understanding of the computational approach to complex physics problems through detailed case studies. Topics include realistic projectile motion, oscillatory motion and chaos, the solar system, potentials and fields, waves, random systems, molecular dynamics, and quantum mechanics. **Prerequisites & Notes:** PHY 2390, PHY 3080, PHY 3410, and PHY 3320. Credits: 4

PHY 4410* - Independent Study.

(Arr.-Arr.-1-3) On Demand. Selected problems based on student's interests. Admission and assignment of problems by arrangement. Laboratory, reading and conference. **Prerequisites & Notes:** Permission of instructor and department chair.

*Course Numbers: PHY 4410A, B, D-F, H-M, O-R, T-Z Credits: 1 to 3

PHY 4444A - Honors Independent Study A.

(3-0-3) Consideration of various topics in Physics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the faculty supervisor, Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4444B - Honors Independent Study B.

(3-0-3) Consideration of various topics in Physics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the faculty supervisor, Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4444D - Honors Independent Study D.

(3-0-3) Consideration of various topics in Physics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the faculty supervisor, Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4470 - Optics.

(3-3-4) F-odd-numbered years. Geometrical optics, optical instruments, wave optics: superposition, coherence, interference, diffraction, polarization. **Prerequisites & Notes:** PHY 1371 and 1372. Credits: 4

PHY 4555 - Honors Research.

(3-0-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the faculty supervisor, Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4601A - Research in Physics 1A.

(Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601B - Research in Physics 1B.

(Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601D - Research in Physics 1D.

(Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601E - Research in Physics 1E.

(Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4602A - Research in Physics 2A.

(Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 2

PHY 4602B - Research in Physics 2B.

(Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 2

PHY 4602D - Research in Physics 2D.

(Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 2

PHY 4602E - Research in Physics 2E.

(Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 2

PHY 4603A - Research in Physics 3A.

(Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603B - Research in Physics 3B.

(Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603D - Research in Physics 3D.

(Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603E - Research in Physics 3E.

(Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. **Prerequisites & Notes:** PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4644 - Honors Thesis.

(3-0-3) Intensive research in preparation of a thesis on a topic in Physics approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the faculty supervisor, Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4666 - Honors Seminar.

(3-0-3) Areas of investigation which require integration of Physics and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator and Department Chair. Credits: 3

PHY 4711 - Experimental Physics I.

(0-4-1) F, S. Laboratory experiments to determine some fundamental physical constants of nature. Set piece experiments from different areas of physics using various techniques and instrumentation to acquire and analyze physical data. Co-requisite: PHY 3150. Credits: 1

PHY 4712 - Experimental Physics II.

(0-4-1) F, S. Laboratory experiments to investigate different phenomena. Experiments from different areas of physics using various techniques and instrumentation to acquire and analyze physical data. **Prerequisites & Notes:** Pre-requisite or Co-requisite: PHY 4711. Credits: 1

PHY 4713 - Experimental Physics III.

(0-4-1) F, S. Students will design and develop experiments in consultation with faculty. These experiments should apply experimental techniques and theoretical knowledge that the student has developed. **Prerequisites & Notes:** PHY 4711 and PHY 4712. Credits: 1

PHY 4750 - Thermodynamics and Statistical Mechanics.

(4-0-4) F-even-numbered years. Thermometry, thermodynamic laws, kinetic theory, Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics and applications. **Prerequisites & Notes:** PHY 1361, 1362, and MAT 2442. Credits: 4

PHY 4800* - Advanced Independent Study.

(Arr.-Arr.-1-6) On Demand. Selected problems based on the student's interests. Admission and assignment of problems by arrangement. Laboratory, reading, and conference. A maximum of 6 hours of Advanced Independent Study may be counted. **Prerequisites & Notes:** Permission of the instructor and Department Chair.

*Course Numbers: PHY 4800A, B, D-F, H-M, O-R, T-Z Credits: 1 to 6

PHY 4850 - Quantum Mechanics and Atomic Physics I.

(4-0-4) F-odd-numbered years. Schrodinger equation applied to one-, two-, and three-dimensional problems, harmonic oscillator and hydrogen atom, uncertainty principle. **Prerequisites & Notes:** PHY 2400 and 3080; MAT 2443 and 3501. Credits: 4

PHY 4860 - Quantum Mechanics and Atomic Physics II.

(2-0-2) S-even-numbered years. Applications of the Schrodinger equation to nuclear, solid state, exclusion principle, angular momentum, atomic spectroscopy. **Prerequisites & Notes:** PHY 4850. Credits: 2

PHY 4870 - Mathematical Methods of Physics.

(3-0-3) F-odd-numbered years. Selected topics from dynamics (Lagrangian, Hamiltonian), electromagnetic theory (Maxwell's equations), etc. **Prerequisites & Notes:** PHY 2400, MAT 2443 and 3501. Credits: 3

POLITICAL SCIENCE (PLS)

PLS 1003 - Introduction to Comparative Politics.

(3-0-3) F, S. A comparative survey of the political process, political ideologies and aspects of political development in different political systems and regions of the world. S5 903 Credits: 3

PLS 1153G - American Government and Constitution.

(3-0-3) F, S. An introduction to the principles of the U.S. Constitution and political system, with an emphasis on the role citizens play in government and politics. Topics covered include the Constitution, civil rights and civil liberties, government institutions, political parties, voting and elections. S5 900; PLS 911 Credits: 3

PLS 1193G - American Government and Constitution, Honors.

(3-0-3) F, S. An introduction to the principles of the U.S. Constitution and political system, with an emphasis on the role citizens play in government and politics. Topics covered include the Constitution, civil rights and civil liberties, government institutions, political parties, voting and elections. S5 900 **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PLS 2001 - Introduction to Research Methods in Political Science.

(1-0-1) F, S. This course will introduce students to basic concepts/techniques important in understanding and developing research in political science. Topics include research design, development of a literature review, and qualitative approaches to data collection/analysis such as case studies, focus groups, interviews, and content analysis. Course restricted to the following majors: Political Science, Social Science Geography Designation, Social Science Geography Designation, Social Science History Designation, Social Science Political Science Designation, Social Science Psychology Designation, and Social Science Sociology-Anthropology Designation. Course may not be repeated. Credits: 1

PLS 2033 - Research Methods in Political Science.

(3-0-3) F, S. The goal of this course is to introduce students to research methods in Political Science. Students will learn both qualitative and quantitative methods for carrying out political science research. Students also will learn how to use scholarly literature to support their analysis and how to write research papers in Political Science. **Prerequisites & Notes:** Students who are not Political Science majors or Social Science Teaching majors with a Political Science Designation must have permission of the instructor. Credits: 3

PLS 2103 - Introduction to Political Theory.

(3-0-3) F. This course introduces students to the subfield of political theory and it provides an overview of the approaches to the study of political ideas as well as a basic foundation in the ideas and ideologies that frame modern social and political debates. Course may not be repeated. Credits: 3

PLS 2253G - Introduction to International Relations.

(3-0-3) F, S. An introduction to the primary theories and political issues in international relations, including examination of the causes of war, international organizations, foreign policy making, the politics of the world economy, and other political issues of transnational character, e.g., terrorism, AIDS, and the environment. S5 904N; PLS 912 Credits: 3

PLS 2293G - Introduction to International Relations, Honors.

(3-0-3) F, S. An introduction to the primary theories and political issues in international relations, including examination of the causes of war, international organizations, foreign policy making, the politics of the world economy, and other political issues of transnational character, e.g., terrorism, AIDS, and the environment. S5 904N **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

PLS 25131 - Moot Court I.

(1-Arr-1) F, S. A role-playing simulation in which students represent attorneys in simulated appellate court competitions. Students will attend at least one competition per semester of enrollment as determined by the instructor, with learning activities ranging from oral arguments to the preparation of written legal briefs. Each course may be repeated one time for a total of six semester hours in Moot Court courses, but no more than three semester hours may count toward the Political Science major or the Political Science minor. Students may pay expenses associated with registration, travel, room and meal charges while attending competition. **Prerequisites & Notes:** Restricted to students selected to represent EIU at the moot court competitions designated by the department; completion of the fall semester course or permission of instructor is required for registration in the spring semester course. Credits: 1

PLS 25132 - Moot Court II.

(1-Arr-1) F, S. A role-playing simulation in which students represent attorneys in simulated appellate court competitions. Students will attend at least one competition per semester of enrollment as determined by the instructor, with learning activities ranging from oral arguments to the preparation of written legal briefs. Each course may be repeated one time for a total of six semester hours in Moot Court courses, but no more than three semester hours may count toward the Political Science major or the Political Science minor. Students may pay expenses associated with registration, travel, room and meal charges while attending competition. **Prerequisites & Notes:** Restricted to students selected to represent EIU at the moot court competitions designated by the department; completion of the fall semester course or permission of instructor is required for registration in the spring semester course. Credits: 1

PLS 25133 - Moot Court III.

(1-Arr-1) F, S. A role-playing simulation in which students represent attorneys in simulated appellate court competitions. Students will attend at least one competition per semester of enrollment as determined by the instructor, with learning activities ranging from oral arguments to the preparation of written legal briefs. Each course may be repeated one time for a total of six semester hours in Moot Court courses, but no more than three semester hours may count toward the Political Science major or the Political Science minor. Students may pay expenses associated with registration, travel, room and meal charges while attending competition. **Prerequisites & Notes:** Restricted to students selected to represent EIU at the moot court competitions designated by the department; completion of the fall semester course or permission of instructor is required for registration in the spring semester course. Credits: 1

PLS 26111 - Model Illinois Government I.

(1-0-1) S. (Credit/No Credit) This course is designed to prepare students for the Model Illinois Government simulation held in Springfield. At the simulation, students take a hands-on approach to understanding the legal authority, structure, functions and processes of the state legislature in Illinois. This course may be repeated once. A total of four semester hours may be earned in combination with PLS 26112; no more than three semester hours may count toward the Political Science major or the Political Science minor. Students may pay expenses associated with registration, travel, room and meal charges while attending the simulation. **Prerequisites & Notes:** Restricted to students selected to represent EIU at the simulation. Credits: 1

PLS 26112 - Model Illinois Government II.

(1-0-1) S. (Credit/No Credit) This course is designed to prepare students for the Model Illinois Government simulation held in Springfield. At the simulation, students take a hands-on approach to understanding the legal authority, structure, functions and processes of the state legislature in Illinois. This course may be repeated once. A total of four semester hours may be earned in combination with PLS 26111; no more than three semester hours may count toward the Political Science major or the Political Science minor. Students may pay expenses associated with registration, travel, room and meal charges while attending the simulation. **Prerequisites & Notes:** Restricted to students selected to represent EIU at the simulation. Credits: 1

PLS 2603 - State and Local Government.

(3-0-3) Structures, functions, processes and leadership of state, county and city governments, including analysis of political, constitutional, and policy issues facing state and local legislators, executives, administrators and judges. S5 902; PLS 915 Credits: 3

PLS 3100 - Global Threats and Problems.

(3-0-3) S. An interdisciplinary study of current global problems. Four different social scientific approaches will be used to analyze complex questions regarding the survival of humanity given current threats to our environments, cultures, geopolitical affiliations, and socioeconomic structures. Topics may include famine, terrorism, information control, and disease, among others. Course may not be repeated. Cross-listed with CSC/ECN/GEG/SOC 3100. Credits: 3

PLS 3203 - American Foreign Policy.

(3-0-3) F. This course examines the political process of American foreign policy making. Special attention is devoted to the influence of the Cold War, the Vietnam War and the American governmental institutions that make foreign policy, including the President, Congress, the CIA, the State Department, and the National Security Council. The course also examines security challenges facing the United States, including terrorism, drug trafficking, and military intervention abroad. WI Credits: 3

PLS 3223 - International Organizations.

(3-0-3) S-even-numbered years. An analysis of the creation and functions of global and regional international organizations, with special emphasis devoted to the role of international organizations in promoting peace and security in world affairs. Within this context, organizations to be examined include the role of the United Nations, the North Atlantic Treaty Organization, the European Union, and the African Union, as well as leadership of international organizations. Credits: 3

PLS 3233 - International Terrorism.

(3-0-3) S-odd-numbered years. International Terrorism is a course designed to give the student an understanding of terrorism as a political tool. The class will examine the various motivations behind political terrorism, what groups use terrorism as a political tool and why, trends in political terrorism, and problems which states (especially relatively open, pluralist democracies) have in facing the challenge of political terrorism. WI Credits: 3

PLS 3253 - International Criminal Law.

(3-0-3) S. This course examines the evolution in international criminal law during the 20th century and addresses efforts to codify legal norms involving genocide, crimes against humanity and war crimes as well as the institutions involved in the implementation of international criminal law. **Prerequisites & Notes:** Students must have completed PLS 2253 before taking this course. Credits: 3

PLS 3303 - European Politics and Governments

(3-0-3) F-odd-numbered years. This course examines European politics using a thematic and comparative approach addressing a broad range of issues and countries. The course also explores the history, policies and politics of the European Union. WI **Prerequisites & Notes:** PLS 1003 or 2253G or permission of the instructor. Credits: 3

PLS 3333 - Politics of Latin America and the Caribbean.

(3-0-3) F-even-numbered-years. This course examines the political environment of selected Latin American and Caribbean states. Special emphasis will be given to political development and the impact of various internal and external actors on democratization, modernization, and state-society relations. Credits: 3

PLS 3343 - Government and Politics of the Middle East.

(3-0-3) S-even-numbered years. The governments and politics of the countries of the contemporary Middle East with an emphasis upon the processes of political modernization. WI **Prerequisites & Notes:** Three semester hours of political science. Credits: 3

PLS 3353 - Politics of Sub-Saharan Africa.

(3-0-3) F-odd-numbered years. This course examines the political environment of selected sub-Saharan African states. Special emphasis will be given to political development and the impact of various internal and external actors on democratization, modernization, and state-society relations. Credits: 3

PLS 3363 - Government and Politics in Asia-Pacific Rim.

(3-0-3) F-even-numbered years. An introduction to the political systems of major Asian-Pacific Rim nations, emphasizing processes of modernization, system-building, regionalism, and international relations, including the impact of nationalism and colonialism. WI **Prerequisites & Notes:** PLS 1003 or permission of the instructor. Credits: 3

PLS 3373 - International Political Economy.

(3-0-3) F-even-numbered years. Analysis from a political science perspective of modern theories of political economy; the role of governments in trade policy; economic development approaches; poverty in the global South; and the politics of governmental economic institutions in the international arena. **Prerequisites & Notes:** PLS 2253G or permission of the instructor. Credits: 3

PLS 3413 - Introduction to Public Administration.

(3-0-3) S-odd-numbered years. A study of the growth, principles and problems of public administration and the relationship to public policy. **Prerequisites & Notes:** PLS 1153G. Credits: 3

PLS 3513 - Politics and the Legal Process.

(3-0-3) F. An analysis of the legal process as an integral part of the American political system with an emphasis upon the behavior of its participants: the police, lawyers, defendants, plaintiffs, politicians. **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3523 - Criminal Law.

(3-0-3) F. Problems in the administration of criminal justice, with emphasis on topics such as search and seizure, arrest, interrogation, lineups, and the scope and administration of the exclusionary rule. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3543 - Civil Liberties in America.

(3-0-3) S. An analysis of U.S. Supreme Court decisions in these areas: freedom of religion, freedom of expression, affirmative action, political participation, and the right of privacy. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3553 - Federal Indian Law and Policy.

(3-0-3) F. An introduction to the complex body of Supreme Court rulings and legislative acts impacting indigenous people in the United States. Topics covered include sovereignty, land ownership, taxation, gaming, natural resources, criminal justice and the politics of tribal recognition. Credits: 3

PLS 3653 - American Indian Politics.

(3-0-3) S. An introduction to the unique social/political position of American Indians in the United States federal system. Included in the discussion are images of native people, actors involved in the political game, political activism and interest group activity of tribal nations, gaming, and the politics of tribal recognition. Credits: 3

PLS 3703 - African American Politics.

(3-0-3) S-even-numbered years. This course analyzes African American political activity and it provides an overview of the roles and processes by which African Americans have engaged the political system. This course will also study the role of political parties, elections, and social movements in the development of African American political activity. **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3713 - Political Parties and Elections.

(3-0-3) F-even-numbered years. An examination of the structure, function and role of political parties in the United States. WI
Prerequisites & Notes: PLS 1153G or permission of the instructor. Credits: 3

PLS 3723 - Political Behavior.

(3-0-3) F-odd-numbered years. This course examines the way in which individuals influence government. Topics covered include political socialization, public opinion, participation, voting, partisanship, tolerance and protest. **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3733 - Interest Groups and Lobbying.

(3-0-3) F-even-numbered years. An examination of the roles interest groups play in the political process, focusing on the development and maintenance of such groups as businesses, public interest groups, foreign lobbies and labor unions. **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3743 - Congress.

(3-0-3) S-odd-numbered years. An examination of the structures and functions of legislative bodies, with an emphasis on the U.S. Congress. Focus will be placed on the topics of representation, congressional elections, rules, norms, and procedures, interaction with the executive and judicial branches, and legislative policymaking. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3753 - The American Presidency.

(3-0-3) F. An analysis of the development of the 20th century presidency, focusing on presidential elections, popularity and power, and relations with Congress and the courts. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 3763 - Environmental Politics and Policy.

(3-0-3) S. Analysis of environmental policy from the perspective of political science, focusing on policy-making techniques, relationships among policy-makers, and case studies of environmental policy and politics. The primary focus will be on the United States, but the course will cover global issues as well. Credits: 3

PLS 3863 - Special Topics in Political Science.

(3-0-3) Study of special topics in Political Science that are not ordinarily covered in existing courses. Topics to be announced. Study may include lecture, readings, oral presentations, group projects, and written assignments. May be repeated for credit on a different topic. Credits: 3

PLS 3903 - Gender, Public Policy and the Law.

(3-0-3) F. An analysis of the policies affecting the relative status and rights of women and men with emphasis on Supreme Court decisions and national legislation designed to promote equality of the sexes. WI Credits: 3

PLS 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

PLS 4275 - Internship.

(Arr.-Arr.-1-12) (Credit/No Credit) Work experience as an intern in a government agency, political party or law firm. Amount of credit depends on length of the work experience. Credit for this course does not count toward graduation if the student has earned 12 or more semester hours of Credit/No Credit in student teaching or any other internship offered by the University. A maximum of 12 semester hours of internship credit may be earned within the Department of Political Science. **Prerequisites & Notes:** 32 credit hours; permission of the internship coordinator. Pre-law internships need the permission of the Pre-Legal Studies Committee chairperson. Credits: 1 to 12

PLS 4444 - Honors Independent Study.

(1-3) Consideration of special topics in political science. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PLS 4503 - Independent Study.

(Arr.-Arr.-1-6) Individual study of a topic of the student's choice under the supervision of an instructor. The student must submit a study plan for approval by the department chair and faculty supervisor prior to registration. **Prerequisites & Notes:** Six semester hours of political science, senior standing and permission of the department chairperson. Note: A maximum of six semester hours may be earned in this course. A maximum of three semester hours may be applied to the major in political science. Credits: 1 to 6

PLS 4555 - Honors Research.

(3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PLS 4600 - Political Science Capstone.

(3-0-3) F, S. Analysis of classic and contemporary issues in Political Science research, with an emphasis on integrating undergraduate coursework and research experience. WI **Prerequisites & Notes:** Completion of PLS 1153G/1193G, PLS 2253G/2293G, PLS 1003, PLS 2001, PLS 2103, PLS 2603, PLS 2033, and 9 hours in Political Science Field Requirements. Restricted to undergraduate Political Science majors and Political Science majors with International Studies Option who have completed at least 75 hours, and have completed the course prerequisites. Credits: 3

PLS 4644 - Honors Thesis.

(3) Intensive research in preparation of a thesis on a topic in political science approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PLS 4774 - American Constitutional Law.

(3-0-3) F. An analysis of Supreme Court decisions on federalism; powers of the President, Congress and the Supreme Court; commerce; taxation; and the civil liberties of the individual. **Prerequisites & Notes:** PLS 1153G or permission of the instructor; junior standing or above. Credits: 3

PLS 4793 - Public Organization Theory.

(3-0-3) S-even-numbered years. The application of organization theory to administrative structures, processes and behavior in government bureaucracies. Includes an examination of bureaucratic politics and policymaking, administrative leadership and alternative models of public organization and management. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor; junior standing or above. Credits: 3

PLS 4823 - International Policy Issues.

(3-0-3) S-odd-numbered years. An analysis of contemporary world problems from the point of view of different nation-states. Students will help select the issues. **Prerequisites & Notes:** Nine semester hours in the social sciences or permission of the instructor; junior standing or above. Credits: 3

PLS 4853 - Contemporary Constitutional Development.

(3-0-3) S. An analysis of current decisions and politics of the Supreme Court with emphasis on equal protection, first amendment, due process, and changes in the powers of the executive, legislative and judicial branches. **Prerequisites & Notes:** Three semester hours in public law or permission of the instructor; junior standing or above. Credits: 3

PLS 4873 - Human Resource Management in Government.

(3-0-3) F. An examination of the political environment's impact on personnel policies of local, state and federal agencies. Policies ranging from rights of government employees to affirmative action programs will be explored. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor; junior standing or above. Credits: 3

PLS 4893 - Government Budgeting and Politics.

(3-0-3) S. An examination of the processes, techniques and politics of federal, state and local government budgeting. The course includes analysis of government taxation, revenues and expenditures; capital budgeting; financial management; and the variety of strategies used by the participants in public budgeting. **Prerequisites & Notes:** PLS 1153G or permission of the instructor; junior standing or above. Credits: 3

PLS 4903 - Classic Political Theory.

(3-0-3) F-even-numbered years. The origins and evolution of major concepts in political thought from the time of Pericles through Rousseau. WI **Prerequisites & Notes:** Six semester hours of political science or permission of the instructor; junior standing or above. Credits: 3

PLS 4913 - Contemporary Political Theory.

(3-0-3) S-odd-numbered years. Concepts in political thought with an emphasis on the development of communist, fascist, social democratic and contemporary theory. WI **Prerequisites & Notes:** Six semester hours of political science or permission of the instructor; junior standing or above. Credits: 3

PLS 4923 - African American Political Thought.

(3-0-3) S-even-numbered years. This course investigates the history of African American political thought with reference to the ideologies and strategies African Americans have used to engage the political system, including Black Nationalism, Black Feminism, Black Conservatism, and Black Marxism. This course also studies the role of American political thought in the development of African American political philosophy. **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PLS 4933 - Ideologies of the Developing World.

(3-0-3) S. Survey of Third World political thought with a focus on the ideologies of nationalism, revolution, socialism, and democratic reform. **Prerequisites & Notes:** Three semester hours of political science or permission of the instructor; junior standing or above. Credits: 3

PLS 4943 - American Political Thought.

(3-0-3) F-odd-numbered years. This course investigates the evolution of American political thought and examines the social and political ideologies that have shaped the American political system, including Puritanism, Populism, Progressivism, and Reform Liberalism. This course also studies the role of American political thought in the development of American politics and policy. WI **Prerequisites & Notes:** PLS 1153G or permission of the instructor. Credits: 3

PSYCHOLOGY (PSY)

PSY 1879G - Introductory Psychology.

(3-0-3) An integrated overview of the basic methods and principles of psychology, including natural and social science contributions to the understanding of behavior and cognitive processes. Students will gain firsthand experience with psychological research by participating in psychological research and/or summarizing research articles in psychology journals. S6 900 Credits: 3

PSY 1890G - Introductory Psychology, Honors.

(3-0-3) F, S. An integrated overview of the basic methods and principles of psychology, including natural and social science contributions to the understanding of behavior and cognitive processes. WI **Prerequisites & Notes:** Admission to the University Honors College. Credit not given for both PSY 1890G and 1879G. Credits: 3

PSY 2610 - Statistical Methods of Psychology.

(3-2-4) F, S. Application of statistical methods to behavioral data. **Prerequisites & Notes:** PSY 1879G and MAT 1271 or higher level math course, with a grade of C or better; or ACT mathematics score of 26 or higher. Credits: 4

PSY 2999 - Psychological Forum.

(1-0-1) F, S. A variety of methods and resources (e.g., surveys, archival data, Internet sites) will be used to introduce students to the profession of psychology. Includes coverage of such topics as sub-fields in psychology, careers in psychology, and graduate training in psychology and related fields. **Prerequisites & Notes:** PSY 1879G, academic standing as a sophomore psychology major. Credits: 1

PSY 3260 - Models of Group Therapy.

(3-0-3) F, S. Introduction to group processes and therapeutic group procedures. The course will provide direct group experiences and information on the theoretical and empirical literature pertaining to group psychotherapy. **Prerequisites & Notes:** PSY 1879G and approval of instructor. Credits: 3

PSY 3310 - Biological Psychology.

(3-0-3) F, S. An overview of the biological bases of behavior, addressing the role of the nervous and endocrine systems in such behaviors as sensation, movement, sleep, reproduction, and mental disorders. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3515 - Child Psychology.

(3-0-3) A survey of the progression of human development through middle childhood and of the processes involved in the physical, cognitive, social, and affective domains. PSY 901 **Prerequisites & Notes:** PSY 1879 is required. Credits: 3

PSY 3521 - Psychology of Adolescence and Young Adulthood.

(3-0-3) A survey of development during adolescence and young adulthood, and the influences of biological, cognitive, and social factors on psychological development and behavior. PSY 902 **Prerequisites & Notes:** PSY 1879G. (PSY 3515 is recommended, but not required.) Credits: 3

PSY 3525 - Psychology of Maturity and Old Age.

(3-0-3) F, S. A survey of age-related psychological development during the adult years. Covers such areas as intelligence, personality, relationships, sexuality, and mental health from post-adolescence to old age and death. The demographics of the adult population and methods for studying adult development are also covered. PSY 903 **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3530 - Industrial/Organizational Psychology.

(3-0-3) F, S. Applications of the methods and principles of psychology to the workplace, with particular emphasis on human resources. Topics may include job analysis, performance appraisal, personnel selection, employee training, worker motivation, and worker stress. PSY 906 **Prerequisites & Notes:** PSY 1879G or permission of the instructor. Credits: 3

PSY 3590 - Theories of Personality.

(3-0-3) F, S. A comparison of the four major perspectives in personality theory: Psychoanalytic, trait and type, social-behavioristic and cognitive-humanistic. Special emphasis is placed on basic concepts and principles, assessment, research and techniques used in the treatment process. PSY 907 **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3620 - Psychology of Learning.

(3-0-3) F, S. Introduction to the principles of learning derived from animal and human research, with particular emphasis on the application of these concepts to problems of human learning. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3680 - Sensation and Perception.

(3-0-3) F, S. Survey and study of the basic principles of sensation and perception relative to a person's interaction with the environment. Significant applied and life span trends are considered. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3690 - Controversial Topics in Psychology.

(3-0-3) S. Exploration of special interest or controversial topics in psychology as: Hypnosis, drugs, behavior, transcendental meditation, gay liberation, biofeedback, ESP, and IQ controversy. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3720 - Psychology of Gender.

(3-0-3) S. Examines the biological, psychological, and social influences related to gender and how gender-related expectations interact with other cultural assumptions and stereotypes to affect experiences and behavior. Research and theories relevant to understanding gender are emphasized. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3765 - Methods in Behavioral Management.

(3-0-3) F. The basic concepts of human operant conditioning. Emphasizes applied research and techniques of behavior management applicable to a wide variety of settings and problems. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3780 - Abnormal Psychology.

(3-0-3) F, S. A study of the etiology, diagnosis, and treatment of psychological and associated disorders. Topics include theoretical and empirical perspectives on abnormality, assessment of mental illness, and various diagnostic categories including anxiety disorders, mood disorders, and schizophrenia. PSY 905 **Prerequisites & Notes:** PSY 1879G or equivalent. Credits: 3

PSY 3805 - Research Methods and Experimental Design.

(2-4-4) Examination of research methodology in psychology, including observational, experimental, and survey techniques. Provides opportunity to design research, analyze data, and write scientific reports. WI **Prerequisites & Notes:** PSY 2610 with a grade of C or better. Credits: 4

PSY 3820 - Cognitive Neuroscience.

(3-0-3) F. Cognitive Neuroscience is the combined study of the brain and the mind. This course focuses on the brain as a biological computational device whose output can be studied from various perspectives that include cognition, genetics, and mathematics in addition

to biology. Developmental processes and brain disorders that impair cognition will also be studied. **Prerequisites & Notes:** PSY 1879G and PSY 3310. Credits: 3

PSY 3830 - Cognitive Processes.

(3-0-3) F, S. A survey of research and theory in the "core topics" of cognitive psychology, i.e., perception, memory, language, and problem solving. **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3870 - Social Psychology.

(3-0-3) F, S. Survey of research on social cognition and behavior. Includes coverage of such topics as person perception, social memory, affect, attitude change, social influence, group dynamics, prejudice, and interpersonal attraction. PSY 908 **Prerequisites & Notes:** PSY 1879G. Credits: 3

PSY 3900A - Independent Study in Psychology.

(Arr.-Arr.-1-6) The study of topics in psychology through directed readings and individual instruction. Students planning to conduct empirical research should enroll in PSY 4100A. May be repeated once for credit and must be repeated prior to taking PSY 3900B. A maximum of three hours of Independent Study in Psychology (PSY 3900A-E) may be applied to the major in psychology. Credits: 1 to 6

PSY 3900B - Independent Study in Psychology.

(Arr.-Arr.-1-6) The study of topics in psychology through directed readings and individual instruction. Students planning to conduct empirical research should enroll in PSY 4100A. May be repeated once for credit and must be repeated prior to taking PSY 3900D. A maximum of three hours of Independent Study in Psychology (PSY 3900A-E) may be applied to the major in psychology. Credits: 1 to 6

PSY 3900D - Independent Study in Psychology.

(Arr.-Arr.-1-6) The study of topics in psychology through directed readings and individual instruction. Students planning to conduct empirical research should enroll in PSY 4100A. May be repeated once for credit and must be repeated prior to taking PSY 3900E. A maximum of three hours of Independent Study in Psychology (PSY 3900A-E) may be applied to the major in psychology. Credits: 1 to 6

PSY 3900E - Independent Study in Psychology.

(Arr.-Arr.-1-6) The study of topics in psychology through directed readings and individual instruction. Students planning to conduct empirical research should enroll in PSY 4100A. May be repeated once for credit. A maximum of three hours of Independent Study in Psychology (PSY 3900A-E) may be applied to the major in psychology. Credits: 1 to 6

PSY 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

PSY 4000 - Psychology of Problem Solving and Reasoning.

(2-2-3) S. This laboratory course focuses on the theories and research that have established the cognitive science of problem solving and reasoning. **Prerequisites & Notes:** PSY 3830 or permission of professor. Credits: 3

PSY 4100A - Supervised Research in Psychology.

(Arr.-Arr.-1-6) F or S. An opportunity to design and conduct empirical research in psychology under the close guidance and sponsorship of a psychology faculty member. Approval of instructor is required prior to registration. May be repeated for credit once and must be repeated prior to taking PSY 4100B. A maximum of nine semester hours may be earned in Supervised Research in Psychology (PSY 4100A-E). A maximum of three hours of Supervised Research in Psychology (PSY 4100A-E) may be applied to the major in psychology. **Prerequisites & Notes:** PSY 2610 and PSY 3805 with a grade of C or better in both, or permission of the instructor. Credits: 1 to 6

PSY 4100B - Supervised Research in Psychology.

(Arr.-Arr.-1-6) F or S. An opportunity to design and conduct empirical research in psychology under the close guidance and sponsorship of a psychology faculty member. Approval of instructor is required prior to registration. May be repeated for credit once and must be repeated prior to taking PSY 4100D. A maximum of nine semester hours may be earned in Supervised Research in Psychology (PSY 4100A-E). A maximum of three hours of Supervised Research in Psychology (PSY 4100A-E) may be applied to the major in psychology. **Prerequisites & Notes:** PSY 2610 and PSY 3805 with a grade of C or better in both, or permission of the instructor. Credits: 1 to 6

PSY 4100D - Supervised Research in Psychology.

(Arr.-Arr.-1-6) F or S. An opportunity to design and conduct empirical research in psychology under the close guidance and sponsorship of a psychology faculty member. Approval of instructor is required prior to registration. May be repeated for credit once and must be repeated prior to taking PSY 4100E. A maximum of nine semester hours may be earned in Supervised Research in Psychology (PSY 4100A-E). A maximum of three hours of Supervised Research in Psychology (PSY 4100A-E) may be applied to the major in psychology. **Prerequisites & Notes:** PSY 2610 and PSY 3805 with a grade of C or better in both, or permission of the instructor. Credits: 1 to 6

PSY 4100E - Supervised Research in Psychology.

(Arr.-Arr.-1-6) F or S. An opportunity to design and conduct empirical research in psychology under the close guidance and sponsorship of a psychology faculty member. Approval of instructor is required prior to registration. May be repeated for credit once. A maximum of nine semester hours may be earned in Supervised Research in Psychology (PSY 4100A-E). A maximum of three hours of Supervised Research in Psychology (PSY 4100A-E) may be applied to the major in psychology. **Prerequisites & Notes:** PSY 2610 and PSY 3805 with a grade of C or better in both, or permission of the instructor. Credits: 1 to 6

PSY 4250 - History and Systems.

(3-0-3) F. A survey of historical and contemporary systems and theories devoted to the study of mind and behavior, and their contributions to the development of psychology as a scientific discipline. **Prerequisites & Notes:** 15 semester hours in psychology. Credits: 3

PSY 4260 - Crisis Intervention.

(3-0-3) F, S. A comprehensive survey of psychological intervention theories along with practical and realistic guidelines for psychological interventions in personal, family, legal, and organizational crises. **Prerequisites & Notes:** 20 semester hours in psychological or related areas. Credits: 3

PSY 4270 - Theories of Psychotherapy.

(3-0-3) F. A detailed survey of theories, techniques, and research involved in contemporary systems of psychotherapy, including issues relating to the nature of the therapeutic process, assessment and diagnostic practices, and ethical, legal and medical perspectives. **Prerequisites & Notes:** PSY 3590 and 3780. Credits: 3

PSY 4274 - Orientation to Undergraduate Internship.

(1-0-1) F, S. (Credit/No Credit) An introduction to undergraduate internship experience, professional behavior and ethics, and delivery of psychological services in applied settings. **Prerequisites & Notes:** Psychology major, 20 hours of psychology course work or permission of instructor. Credits: 1

PSY 4275 - Undergraduate Internship in Psychology.

(Arr.-Arr.-3-6) (Credit/No Credit) Supervised undergraduate internship that familiarizes students with the delivery of psychological services in applied settings. **Prerequisites & Notes:** Psychology major, PSY 4274, 20 hours of psychology course work and permission of the instructor. Six hours is the maximum number of hours permitted. Credits: 3 to 6

PSY 4444 - Honors Independent Study.

(3-0-3) Consideration of special topics in Psychology. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. May be repeated for up to six hours. Credits: 3

PSY 4515 - Children with Exceptionalities.

(3-0-3) F, S. This course focuses on children whose physical, cognitive, emotional, behavioral, and/or social functioning requires intervention. Causes and treatments for exceptionalities are emphasized. **Prerequisites & Notes:** PSY 1879G, 3515. Credits: 3

PSY 4585 - Special Topics in Psychology.

(3-0-3) On Demand. Specific areas within the discipline will be given intensive study through lectures, readings, reports, papers, and discussion. The topic for each semester will be announced in advance by the department chairperson. **Prerequisites & Notes:** [PSY 1879 (Introductory Psychology)] AND [6 additional credits in psychology or permission of the instructor]. Course may be repeated – no limit. Credits: 3

PSY 4590 - Psychology Seminar.

(3-0-3) F, S. Specific areas within the discipline will be given intensive study through lectures, readings, reports, and discussion. The topic for each semester will be announced in advance by the department chairperson **Prerequisites & Notes:** Major or minor in psychology. May be repeated with permission of the instructor. Credits: 3

PSY 4610 - Advanced Statistics in Psychology.

(3-2-4) F. This course continues students' introduction to theory and application of statistical analysis necessary for psychological research, including the use of computers for advanced data analysis (e.g., analysis of variance; multiple regression; factor analysis). **Prerequisites & Notes:** PSY 2610 or equivalent with a grade of C or better. Credits: 4

PSY 4620 - Psychological Measurements: Fundamental Principles.

(3-0-3) F, S. Introduction to psychometric theories and procedures for the construction and evaluation of intelligence, achievement, aptitude, personality, interest, and special ability tests. Emphasis is on reliability, validity, norms, test construction and standardization, interpretation, and the ethical uses of tests and test data to help the student become better informed and a critical consumer of tests and measurement procedures. **Prerequisites & Notes:** PSY 2610 or equivalent with a grade of C or better. Credits: 3

PSY 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research in preparation of a thesis on a topic in psychology under the supervision of a faculty sponsor. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PSY 4666 - Honors Seminar.

(3-0-3) A writing-intensive examination of theory and research in various areas of psychology, built around student-selected readings. May be taken twice. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

PSY 4700 - Prejudice and Discrimination.

(3-0-3) F. Study of causes, consequences, and possible remedies of prejudice and discrimination as directed toward a variety of groups. **Prerequisites & Notes:** PSY 1879G or SOC 1838G. Credits: 3

RECREATION ADMINISTRATION (REC)

REC 1320 - Leadership in Recreation.

(2-2-3) S. Basic philosophies of recreation and techniques of leadership in the field of recreation, with practical experiences in the field of recreation with emphasis on face-to-face leadership. Field trip. Credits: 3

REC 1780 - Introduction to Leisure Service Agencies.

(3-0-3) F. A study of the concepts, history and philosophy of leisure, recreation and play. Course also introduces various sectors of leisure services industry and issues related to the delivery of leisure services. Credits: 3

REC 2250 - Recreation Services for People with Disabilities.

(2-2-3) F, S. This course introduces the student to social and psychological implications of disability, concepts of inclusion, special recreation and other terminology, legal concerns/implications and recreation service delivery issues. There is also a Service Learning component to this course. Credits: 3

REC 2290 - Programming for Leisure Agencies.

(3-0-3) S. Development of programming aspects including planning, scheduling, personnel identification, publicity, formats and other aspects for a variety of leisure service agencies. Practical application of these programming elements and evaluation implemented by students in a local agency. Credits: 3

REC 2500 - The Challenge of Leisure.

(3-0-3) F. A study and evaluation of the effect of leisure in our lives and assessment of individual leisure participation. Credits: 3

REC 3000 - Foundations of Therapeutic Recreation.

(3-0-3) F-even-numbered years. This course is designed to examine the history, philosophies, models and process of service and settings in therapeutic recreation. Advocacy, credentialing and other aspects of therapeutic recreation's role in the health care arena are also examined. **Prerequisites & Notes:** REC 1320 and REC 2250. Credits: 3

REC 3111 - Therapeutic Recreation Modalities and Facilitation Techniques.

(3-0-3) S-even-numbered years. This course is designed to provide opportunities to learn about leisure education theories and to practice leisure education and other modalities, interventions and facilitation techniques used in therapeutic recreation practice. Registration is restricted to therapeutic recreation majors. **Prerequisites & Notes:** REC 1320, REC 2250, and REC 3000. Credits: 3

REC 3250 - Evidence Based Intervention Planning in Therapeutic Recreation.

(3-0-3) F-odd-numbered years. This course helps the student develop understanding of intervention/program design approaches; evidence based and theory based. It provides the opportunity to develop skills related to the detailed process of developing individual and comprehensive intervention and program plans. The course also examines program evaluation for efficiency and effectiveness. Registration is restricted to therapeutic recreation majors. **Prerequisites & Notes:** REC 1320 and REC 2250. Credits: 3

REC 3300 - Commercial and Employee Recreation.

(3-0-3) S. The exploration of recreation as a profit-making enterprise surveying the development and operation of goods and services offered in the leisure market. The exploration of the history, scope, place and relationship of industrial-employee recreation. Credits: 3

REC 3310 - Travel and Tourism.

(3-0-3) F. The study of travel and tourism with emphasis on terminology, social and economic impacts, travel trends and motivations, costs and benefits of tourism development. **Prerequisites & Notes:** Sophomore standing and six hours of behavioral sciences and/or business-related courses. Credits: 3

REC 3320 - Festivals and Special Events.

(3-0-3) F. This course offers an introduction to the planning, marketing, management and evaluation of festivals and special events. **Prerequisites & Notes:** At least 30 hours or Sophomore standing. Credits: 3

REC 3360 - Advanced Therapeutic Recreation Processes.

(3-0-3) S-even-numbered years. This course provides in-depth information about the TR process as it relates to a range of disabling conditions, including such things as disability detail, medical terminology, pharmacological understanding, and the WHO's (World Health Organization) International Classifications of Functioning (ICF) system. Registration is restricted to therapeutic recreation majors. **Prerequisites & Notes:** REC 1320, REC 2250, and REC 3000. Credits: 3

REC 3400G - World Leisure: A Cultural Perspective.

(3-0-3) F, S. This course provides an overview of leisure behavior from a cultural perspective. Government, education, economic, religious, and family institutional influence on leisure behavior will be compared and contrasted across selected world cultures. WI Credits: 3

REC 3510 - Camp Administration and Leadership.

(2-0-2) S. Organization and administration of camps including: Business operation, maintenance, operation, program planning, counselor training, and camp standards and regulations. Credits: 2

REC 3550 - Fieldwork in Recreation I.

(1-Arr.-3) F, S. Students are assigned to public or private agencies in the community for the purpose of organizing and conducting activities under supervision. There is discussion of problems associated with in-service training. **Prerequisites & Notes:** Second semester sophomore standing and nine hours of professional recreation classes or permission of instructor. Credit not granted for both REC 3550 and 3551. Credits: 3

REC 3551 - Fieldwork in Recreation II.

(0-Arr.-3) Students will be assigned to work full time at an entry-level recreation position under the supervision of a full-time recreation professional. A minimum of 30 hours per week for eight weeks will be required for all students enrolling in this course. **Prerequisites & Notes:** Second semester sophomore standing and nine hours of professional recreation classes or permission of instructor. Credit not granted for both REC 3550 and 3551. Credits: 3

REC 3560 - Outdoor Living Skills.

(1-2-2) S. Study of approved techniques for out-of-doors living and survival skills. Practical experience provided. Credits: 2

REC 3860 - Environmental Interpretation.

(1-2-2) F-even-numbered years. An overview of environmental interpretation as it applies to both natural and man-made areas to acquaint the student with techniques and resources available for the implementation of interpretative programs within various park and recreation agencies. Field trips. Credits: 2

REC 3900 - Operation of Leisure Facilities.

(3-0-3) F-odd-numbered years. A study of methods and materials necessary for the operation and maintenance of recreation parks and other outdoor recreation areas. Information considered will involve a non-scientific approach to such areas as horticulture, agronomy, landscaping, general construction, paving, equipment and maintenance operation. Credits: 3

REC 3910 - Microcomputers in Leisure Agencies.

(3-0-3) S. This course is designed to orient students to the various kinds of software and hardware being used in the leisure-related occupations. History, hardware and software selection is included. **Prerequisites & Notes:** No minimum programming level requirements; this is not a programming course. Credits: 3

REC 3960A - Special Topics: Consortium.

(Arr.-Arr.-3) On Demand. Special topics and controversial trends in the area of leisure will be studied. May be repeated with different topics for up to six hours with permission of Department Chair. **Prerequisites & Notes:** Junior standing or nine hours of Recreation Administration and/or behavioral sciences coursework. Credits: 3

REC 3960B, D-F, H-M - Special Topics.

(Arr.-Arr.-1-3) On Demand. Special topics and controversial trends in the area of leisure will be studied. May be repeated with different topics for up to six hours with permission of Department Chair. **Prerequisites & Notes:** Junior standing or nine hours of Recreation Administration and/or behavioral sciences coursework. Credits: 1 to 3

REC 4274 - Pre-Internship.

(1-0-1) F, S. (Credit/No Credit) The pre-internship course will develop the student's ability to identify, select, and secure an internship position with a leisure service agency that will meet departmental objectives of the internship experience and the student's experience expectations. **Prerequisites & Notes:** REC 3550 or REC 3551 or permission of the instructor. Credits: 1

REC 4275 - Internship.

(Arr.-Arr.-6) (Credit/No Credit) A field experience to include full-time assignment to an established recreation program. **Prerequisites & Notes:** Must have completed all other core courses in the Recreation Administration major or permission of the Chair or Internship Coordinator, and; have at least a 2.0 GPA overall and in the major. Credits: 6

REC 4355 - Assessment and Administration in Therapeutic Recreation.

(3-0-3) S-odd-numbered years. This capstone course examines assessment procedures, instruments and many other documentation concerns. It also reviews a range of administration issues including funding, accreditation and personnel management. Registration is restricted to therapeutic recreation majors. **Prerequisites & Notes:** REC 1320, 2250, 3000, 3250, and 3360. Credits: 3

REC 4444 - Honors Independent Study.

(Arr.-Arr.-1) Consideration of special topics in leisure studies. Special emphasis on an area of interest to the student approved by the faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 1

REC 4600 - Planning and Design of Leisure Facilities.

(4-0-4) S. The course will provide students with an understanding of the major planning principles used in the design and development of park and recreation facilities. The relationships existing between human needs and environmental resources will be emphasized. Special consideration will be given to the role which accessibility should play in recreation resource design. **Prerequisites & Notes:** Complete Recreation Administration 1320, 1780, 2250, and 2290 or permission of instructor. Credits: 4

REC 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research in preparation of a thesis on a topic in leisure studies approved by the faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

REC 4666 - Honors Seminar.

(Arr.-Arr.-3) Areas of investigation which require integration of leisure studies and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. May be taken twice. Credits: 3

REC 4740 - Research and Evaluation in Leisure Studies.

(3-0-3) F, S. An introduction to the research process as it applies to the field of leisure services. Covers various forms of research but will emphasize applied research, especially program evaluation and feasibility issues. WI Credits: 3

REC 4830 - Administration of Leisure Services.

(3-0-3) F, S. Exploration of philosophical viewpoints underlying a recreation program; criteria for evaluating the recreational potential of a community; administrative problems related to park and recreation programs. **Prerequisites & Notes:** Twelve semester hours of recreation class credit or permission of instructor. Field trip. Credits: 3

REC 4850 - Financial Practices for Leisure Service Agencies.

(3-0-3) F, S. The investigation of the financial structures, resources, budget management and accounting procedures for public and private recreation agencies. WI Credits: 3

REC 4950 - Leisure and Aging.

(3-0-3) S-odd-numbered years. Scope of the therapeutic recreation services available through private and public agencies; analysis of programs designed for persons with physical, emotional, intellectual or social disorders and handicaps. Practical experiences are provided. Credits: 3

REC 47411 - Independent Study.

(Arr.-Arr.-1) Independent study may be undertaken for a number of projects such as: Positions working at a professional recreation agency, service projects for departmental and university organizations, surveys and research projects, research papers, and other investigative reports, reading and interpretation of literature in the field, and other student proposals. May be repeated once, for a maximum of six semester hours of credit in Independent Study. Contact department chairperson for information. Credits: 1

REC 47412 - Independent Study.

(Arr.-Arr.-2) Independent study may be undertaken for a number of projects such as: Positions working at a professional recreation agency, service projects for departmental and university organizations, surveys and research projects, research papers, and other investigative reports, reading and interpretation of literature in the field, and other student proposals. May be repeated once, for a maximum of six semester hours of credit in Independent Study. Contact department chairperson for information. Credits: 2

REC 47413 - Independent Study.

(Arr.-Arr.-3) Independent study may be undertaken for a number of projects such as: Positions working at a professional recreation agency, service projects for departmental and university organizations, surveys and research projects, research papers, and other investigative reports, reading and interpretation of literature in the field, and other student proposals. May be repeated once, for a maximum of six semester hours of credit in Independent Study. Contact department chairperson for information. Credits: 3

RELIGIOUS STUDIES (RLS)

RLS 1200G - Introduction to Religious Studies.

(3-0-3) On Demand. This course provides an introduction to world religions such as Buddhism, Judaism, Christianity and Islam. Students will examine various ways of understanding world religions and gain an appreciation for the nature and variety of religious experience. Course may not be repeated. Credits: 3

RLS 1290G - Introduction to Religious Studies, Honors.

(3-0-3) On Demand. Introduction to world religions such as Buddhism, Judaism, Christianity and Islam. Students will examine various ways of understanding world religions and gain an appreciation for the nature and variety of religious experience. Students cannot receive honors credit for both RLS 1290G and HIS 1590G. WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

RLS 3900 - Special Topics in Religious Studies.

(3-0-3) On Demand. An in-depth treatment of a major topic or figure of religious significance. May be repeated to a maximum of 9 hours. WI Credits: 3

SECONDARY EDUCATION (SED)

SED 2000 - Inquiry Into Teaching.

(1-2-1) F, S. An introduction to the expectations of the modern-day secondary education teacher, including the role of the teacher, moral, ethical, and legal expectations of teaching, and the social and political context of schools and communities. Ethnographic research methods will also be introduced. Thirty clock hours of participation/ observation are required. Credits: 1

SED 3000 - ISEP Level I.

(2-3-3) F, S. (Credit/No Credit) First course in a competency-based program integrating educational psychology, instructional methods, special education, and educational foundations; leading to secondary certification. Attaining skills from learning modules, public school contacts and clinical experiences. WI **Prerequisites & Notes:** SED 2000. Credits: 3

SED 3100 - ISEP Level II.

(2-3-3) F, S. (Credit/No Credit) Continuation of program leading to secondary certification. Integrating educational psychology, instructional methods, special education and educational foundations. Attaining skills from learning modules, public school contacts and practica experiences. WI **Prerequisites & Notes:** SED 2000; SED 3000. "University Admission to Teacher Education" requirements apply. Credits: 3

SED 3330 - Instructional Tasks in the Secondary School.

(3-2-3) F, S. Methods course that presents knowledge of the secondary school. Training in teaching regulations and standards of the state of IL, planning of instruction, teaching strategies, assessment techniques, classroom management, instructional adaptation, and material creation. Approximately 6 weeks of intensive practice work in the public schools. **Prerequisites & Notes:** SED 2000, "University Approval to Teacher Education" requirements, concurrent enrollment in EDP 3331. *Priority will be given to those students who are one year or less away from student teaching. Credits: 3

SED 4000 - ISEP Level III.

(Arr.-Arr.-3) F, S. (Credit/No Credit.) Final course leading to secondary certification, to be taken in conjunction with student teaching. Integrates educational psychology, instructional methods, special education, and educational foundations. WI **Prerequisites & Notes:** SED 3100 and departmental methods course(s). Concurrent enrollment with STG 4001 is required. This course is delivered on line. Credits: 3

SED 47411 - Independent Study.

(Arr.-Arr.-1) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department chairperson. Credits: 1

SED 47412 - Independent Study.

(Arr.-Arr.-2) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department chairperson. Credits: 2

SED 47413 - Independent Study.

(Arr.-Arr.-3) May be repeated once, for no more than six semester hours of Independent Study credit. **Prerequisites & Notes:** Permission of the Department chairperson. Credits: 3

SED 4751 - Strategies of Adult Instruction.

(3-0-3) Methods, techniques, and devices in adult education, developing action-oriented learning situations, programmed instruction, developing appropriate materials and evaluating the outcome of courses. Credits: 3

SED 4780 - Studies in Education.

(3-0-3) On Demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 3

SED 4790 - Studies in Education.

(2-0-2) On Demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 2

SED 4800 - Studies in Education.

(1-0-1) On Demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. **Prerequisites & Notes:** Eight semester hours in education and psychology. Credits: 1

SED 4850 - Seminar and Field Experiences in Adult Education.

(2-6-4) A supervised experience in an adult educational operation which will allow the student to apply his/her skills and training to teaching adults. A follow-up of these experiences and other specific areas and topics will be given further study through readings, reports, and group discussions. **Prerequisites & Notes:** SED 4751, approval by the department chairperson and acceptance by a cooperating adult education organization. Credits: 4

SENIOR SEMINAR (EIU)

EIU 4100G - Folklore, Culture, and Society.

(3-0-3) Through a comparative examination of various folk groups and genres, this course will address the ways in which folklore contributes to the beliefs, traditions, and behaviors of individuals and societies. Special attention will be paid to contemporary folklore research and its relevance to the study and understanding of modern societies. English majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4101G - Spaceship Earth: The Present State.

(3-0-3) A holistic discussion of the planet Earth's potentials and limitations. Debate of the interrelationships and interactions between exponential growth of population, industry, pollution and nuclear wastes, exponential depletion of natural resources and the possible future consequences of this growth. Biological Science and Geology majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4102G - Technology and Society.

(3-0-3) A dialogue on contemporary problems influenced by technological advantage. Emphasis will be placed on analysis of key issues facing the world during the next 25 years. Special attention will be given to the impact and implications of technology on social/cultural and economic systems. Majors in Applied Engineering and Technology and Career and Technical Education with a Technology Education emphasis are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4103G - Physical Activity and Mental Wellness.

(3-0-3) Various theories and psychological constructs will be examined in this course to determine the impact of exercise upon an individual's behavior, mood, personality, motivation, and psychological well-being. Students will be given the opportunity to examine the role of exercise in improving mental wellness and how psychosocial benefits can shape physical activity interventions. Physical Education majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4104G - World Film: Language and Culture in Film.

(3-0-3) This course will examine foreign film as a unique art form that strongly reflects the culture of its country of origin. Equal attention will be paid to film's cross-cultural and interdisciplinary nature. The influence of foreign film on and by Hollywood will be compared. Foreign Language majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4105G - Controversial Issues in Education.

(3-0-3) Educational questions regarding purposes, methods, and governance have been hotly debated for centuries. This seminar will examine current controversies in education. Majors in Teacher certification programs are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4106G - War Stories.

(3-0-3) S. A study of selected war literature in light of the history of armaments and warfare. An inquiry into the roots of war and the ways armed combat has shaped politics, culture, and ethics will provide the context for close study and appreciation of works by Homer, Shakespeare, Remarque, Hemingway, and others. Majors in English are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4107G - The Idea of a University: Yesterday and Today.

(3-0-3) Through a close examination of one classic text, *The Idea of a University* by John Henry Newman, and five critical responses, this course will consider issues Newman raised in 1852: the place of religion and moral values in the educational setting, the competing claims of liberal and professional education, the character of an academic community, the cultural role of literature, and the relation of religion and science, all of which remain relevant today. No majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4108G - The Changing World of Women.

(3-0-3) This course examines historical perspectives on a variety of women's issues. In a time of gender role flux, where roles are no longer clearly defined by sex, it is necessary to examine these changes and how they have impacted women and the world around them. No majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4109G - The Politics of Human Rights.

(3-0-3) A discussion and analysis of selected human rights problems, with emphasis on the ways in which government action affects the protection and promotion of these rights. Majors in Political Science are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4110G - Frontiers of Communication

(3-0-3) On Demand. A study of several controversial forms of communication. Topics will include animal communication, paranormal communication in humans, and the nature and manipulation of rumor, gossip, and "grapevine" systems. Majors in Communication Studies are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4111G - Plants and Civilizations.

(3-0-3) A discussion of the role of plants in the origin and development of human civilization including hunters and gatherers, agricultural origins, plants and plant products which changed history, plant domestication and cultivation, the green revolution, and plants in the environment. Biological Sciences majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4112G - Women and Technology.

(3-0-3) A dialogue on the relationship between women and technology during the past, present, and into the future. Key issues which have affected the mobility of women into technical occupational fields will be studied. Projection will be made for the next decade. Majors in Applied Engineering and Technology are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4113G - The European Union: A Multi-cultural Approach.

(3-0-3) On Demand. Through an investigation of EU websites, the course introduces students to the unique aspects of the individual EU member countries, such as culture, language, and educational policies, and demonstrates how the countries relate to one another in spite or because of their differences. Foreign Language majors are excluded from this course. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4115G - Pop Culture Economics.

(3-0-3) A study of the ways in which the stories told in popular music, movies, and television programs demonstrate the important role that economics plays in individuals' lives. Students will explore how individuals, firms, governments, and society make decisions in attempts to achieve the greatest level of well-being possible in a world of limited resources. Economics majors are excluded. WI **Prerequisites & Notes:** Completion of 75 hours. Course may not be repeated. Credits: 3

EIU 4118G - Sociobiology: The Biological Origins of Social Practices.

(3-0-3) On Demand. An investigation of the biological origins of certain forms of behaviors common to animals including humans. Reproductive behavior will be used as the model for the study of how natural selection determines some human behavioral patterns. Majors in Biological Sciences are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4121G - Leisure Time: The American Perspective.

(3-0-3) Leisure is recognized as a basic component of the American lifestyle. Leisure is studied by psychologists, sociologists, economists, physicians, professional educators, and the business community. This course explores the nature of leisure time from these perspectives. Recreation Administration and Kinesiology & Sports Studies majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4123G - Social Movements, Crowds, and Violence.

(3-0-3) S, Su. A theoretical and empirical assessment of the origins, participation, development, tactics, and consequences of recent social movements. Crowd behavior and violence will be specifically included as they relate to social movements. Sociology majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4125G - Cultural Diversity in the United States.

(3-0-3) Su. This course will examine the development of the multicultural nature of the United States. Special attention will be given to the assimilation process and the struggle to achieve social, political and economic equality while maintaining cultural traditions and identities. Foreign Languages majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4126G - Body, Health, and Society

(3-0-3) F, S. An exploration of the interdisciplinary field of body studies, with an emphasis on the health impact of gender, ethnic, class, aging, and sexual orientation images in contemporary society. Health Studies majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4128G - Politics and Popular Culture

(3-0-3) On Demand. This course examines the relationship between politics and popular culture and focuses on how politics and culture interact. Students will examine how various media including music, television, film, and the Internet influence and reflect political behavior and institutions. Majors in Political Science are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4129G - Law and Technology

(3-0-3) On Demand. An examination of how new technology drives change in the law focusing on analysis of court cases, legislation, and readings. Areas of study include patents, copyrights, trade secrets, biotechnology, bioengineered medicine, biochemistry, telecommunications, and the Internet. Pre-law minors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4131G - Modern Biomedical Science: Promise and Problems.

(3-0-3) On Demand. An examination of selected advances in modern biomedical science. The unforeseen consequences to society will be emphasized along with the science behind medical techniques and treatments. Majors in Biological Sciences are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4142G - Telecommunication Issues in the Third Millennium

(3-0-3) On Demand. A panoramic view of media in the 21st century and its effects on hi-tech society. The effects of media on politics, advertising, violence, sports and national security will be discussed and debated. Discussion will also center on the possible effects of media on the new "information society." Majors in Communication Studies are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4151G - Nutritional Dilemmas and Decisions.

(3-0-3) Through a comprehensive approach, this course will examine the relationship of food and nutrition to multi-cultural practices, origins of food preparation and consumption habits, dietary trends, individual dietary intake, quality of life, and disease incidence. Family and Consumer Science majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4155G - The European Witchhunts.

(3-0-3) Through a study of the events and circumstances surrounding the European Witchhunts, this course will explore the roles that misogyny, social dislocation, economic crisis, religious belief, and challenges to authority played in the age of intolerance that resulted in the execution of many thousands of women and men. History majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4157G - Impact of Communication Disorders: Adjusting to Cultural Demands.

(3-0-3) On Demand. The verbal demands of the modern media-based society impact an individual's social, emotional, educational, and vocational prospects. Students explore and experience the limitations imposed by various deficits in communication. WI **Prerequisites & Notes:** Completion of 75 hours; Majors in Communication Disorders & Sciences are excluded. Credits: 3

EIU 4158G - Freedom of Expression.

(3-0-3) Examination of history, philosophy, theory, legal rights, and ethical responsibilities regarding freedom of expression. This civil liberty will be considered in the context of its application to and effect on different societal groups based on social and political status, gender, sexual orientation, race and other diverse issues. WI **Prerequisites & Notes:** Completion of 75 semester hours. Journalism majors are excluded. Credits: 3

EIU 4160G - Personal Financial Investments

(3-0-3) On Demand. An examination of securities, markets, investment techniques and opportunities for individuals. Topics include stocks, bonds, mutual funds, insurance, and portfolio management. Business majors and students who have earned credit in BUS 2710 or BUS 3710 are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4161G - Theatre as a Soapbox.

(3-0-3) S, Su. A discussion-centered examination of ways playwrights have used theatre as a vehicle for expression to enact change. Attention will be given to theatre as a forum to vent controversial social issues. Theatre Arts majors and English majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4162G - Women's Voices: Women in the Theatre.

(3-0-3) S, Su. A discussion course that examines the contributions of women to the theatre and the effect those contributions have had on society in general. Attention will be given to the political/social concerns expressed in the dramatic literature. Theatre majors and English majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4165G - Journalistic Media in Society.

(3-0-3) On Demand. This course examines the relationship between journalistic media and social, cultural, political, economic, and technological systems. The course discusses the function of journalistic media in the context of the media's major societal roles. Journalism majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4167G - The Meaning of Life.

(3-0-3) Su. A study of various answers to questions concerning the ultimate value and meaning of human life. The course examines three different approaches to the question of the meaning of life: the theistic approach, the non-theistic approach and the approach that questions the meaningfulness of the question. Philosophy majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4168G - The Internet as a Social Phenomenon.

(3-0-3) This course examines the Internet as a social phenomenon. Discussion will center on the issues surrounding the Internet and its impact on lives in the information age. (This is not a laboratory experience.) Management Information Systems majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4169G - Women in Science.

(3-0-3) On Demand. The course examines the lives and accomplishments of women in science throughout history. Special attention is paid to the current issues confronting women in science and historical events that have contributed to the current situation. Biological Sciences majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4170G - History on Film.

(3-0-3) Through an investigation of the problems with and possibilities of cinematic depictions of the historical past, this course will explore the ways in which film uses historical images to project social ideals. Special attention will be placed on developing a method by which to critique the historicity of historical films. History majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4171G - Comics, Manga, and Graphic Novels: A History of Graphic Narratives.

(3-0-3) F. An international survey of narrative art, which explores the history, production, theory and reception of graphic narratives from cave paintings to graphic novels. Special attention will be given to the social, cultural and aesthetic aspects of narrative art. Art Majors are excluded. WI **Prerequisites & Notes:** Completed 75 credit hours. Credits: 3

EIU 4172G - Communication, Organizations and their Environments.

(3-2-3) S, Su. This course explores contemporary communication issues in organizations and how they (re)create themselves and their environment(s). Through an in-depth case study and a significant off-campus field experience students will conduct original research. Majors in Communication Studies are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4173G - Environmental Communication.

(3-0-3) On Demand. This course investigates environmental communication, focusing on persuasive efforts by institutions, corporations, movement leaders, scientific experts, politicians and citizens to describe, persuade, and shape human interactions with the environment. Majors in Communication Studies are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 3

EIU 4190G - Spaceship Earth: The Present State, Honors.

(4-0-4) F, S, Su. The course will be a science-based, holistic discussion of the Earth's problems, potentials, and limitations. Topics will include population and its control, resource management, pollution, the relationship of religions and rights on a multinational to individual scale, and other appropriate current global topics. Biological Sciences and Geology majors are excluded. WI **Prerequisites & Notes:** 75 semester hours completed and admission to University Honors College. Credits: 4

EIU 4191G - Leisure Time: The American Perspective, Honors.

(4-0-4) Leisure is recognized as a basic component of the American lifestyle. Leisure is studied by psychologists, sociologists, economists, physicians, professional educators, and the business community. This course explores the nature of leisure time from these perspectives. WI **Prerequisites & Notes:** Completion of 75 hours. Admission to the University Honors College. Recreation Administration and Kinesiology & Sports Studies majors are excluded. Credits: 4

EIU 4192G - Film and Contemporary Society, Honors

(4-0-4) F, S. A study of the theory, aesthetics, history, and cultural contexts of film, concentrating on the relationships among film, literature, popular culture, music, and the plastic arts. Students will explore the ways in which we read film and culture from around the world, and the ways in which we write about film. English majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Credits: 4

EIU 4193G - The Holocaust, Honors.

(4-0-4) F, S. An examination of the Holocaust from 1933-1945. This course will examine the many factors (including intellectual, political, legal, and economic changes) that resulted in the institutionalized destruction of European Jewry. History majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Admission to University Honors College. Credits: 4

EIU 4194G - Leadership: Theory and Practice, Honors.

(4-0-4) F, S. An interdisciplinary approach to the definitions, theories, rhetoric, and styles of leadership practiced in contemporary cultures. The short- and long-term effectiveness of global, national, and local leaders will be studied and evaluated as students develop their own leadership goals. WI **Prerequisites & Notes:** Completion of 75 semester hours. Admission to the University Honors College. Credits: 4

EIU 4195G - The European Witchhunts, Honors.

(4-0-4) F, S. Through a study of the events and circumstances surrounding the European Witchhunts, this course will explore the roles that misogyny, social dislocation, economic crisis, religious belief, and challenges to authority played in the age of intolerance that resulted in the execution of many thousands of women and men. History majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours. Admission to University Honors College. Credits: 4

EIU 4197G - Freedom of Expression: Dissent, Hate, and Heresy, Honors.

(4-0-4) On Demand. Examination of history, philosophy, theory, legal rights, constraints and ethical responsibilities regarding free expression. This civil liberty will be considered in the context of its application to and effect on different societal groups based on social and political status, gender and race. WI **Prerequisites & Notes:** Completion of 75 semester hours. Admission to University Honors College. Journalism majors are excluded. Credits: 4

EIU 4198G - Mischievous Molds, Honors.

(4-0-4) S, Su. An introduction to fungi and their role in nature and in shaping past and present civilizations. Emphasis on the historical, economic, social and practical significance of fungi as decomposers of organic matter, as pathogens of plants and animals, as food and as

sources of mind-altering chemicals. WI **Prerequisites & Notes:** Completion of 75 semester hours and admission to the University Honors College. Biological Sciences majors are excluded. Credits: 4

EIU 4199G - The Politics of Human Rights, Honors.

(4-0-4) On Demand. A discussion and analysis of selected human rights problems, with emphasis on the ways in which government action affects the protection and promotion of these rights. Majors in Political Science are excluded. WI Credits: 4

EIU 4290G - Plants and Civilization, Honors.

(4-0-4) A discussion of the role of plants in the origin and development of human civilization including hunters and gatherers, agricultural origins, plants and plant products which changed history, plant domestication and cultivation, the green revolution, and plants in the environment. Biological Sciences majors are excluded. WI **Prerequisites & Notes:** Completion of 75 semester hours and admission to University Honors College. Credits: 4

EIU 4291G - Pop Culture Economics, Honors

(4-0-4) A study of the ways in which the stories told in popular music, movies, and television programs demonstrate the important role that economics plays in individuals' lives. Students will explore how individuals, firms, governments, and society make decisions in attempts to achieve the greatest level of well-being possible in a world of limited resources. WI **Prerequisites & Notes:** Completion of 75 hours and admission to University Honors College. Majors in economics are excluded. Credits: 4

SOCIAL SCIENCE (SOS)

SOS 3400 - Methods and Materials in the Social Studies in the Secondary School.

(3-1-3) F, S. Aims and goals of social studies teaching; nature and scope of social studies materials; methods used in teaching the social studies, including those employing instructional technology. Thirty clock hours in clinical experiences are required. This course is designed to meet the needs of students who will receive Social Science Teaching Certification. **Prerequisites & Notes:** SED 3330 and EDP 3331; for ISEP students, SED 3000 and SED 3100; for Middle Level Education majors, MLE 3110. For students under catalogs prior to fall 2008, a major grade point average of 2.75 and a cumulative grade point average of 2.75; for students under catalogs from fall 2008 and later, a 3.00 major grade point average and a 2.75 cumulative grade point average. Credits: 3

SOCIOLOGY (SOC)

SOC 1838G - Introductory Sociology.

(3-0-3) Scientific description of the regularities and patterns of behavior that characterize our society and the larger global environment. Sociological analyses of the social forces that affect our daily lives. Credits: 3

SOC 2000 - Sociology Professional Seminar.

(1-0-1) F, S. (Credit/No Credit) This seminar is designed to familiarize departmental majors and minors to the field in general and opportunities and challenges both in continued education and in the labor force. **Prerequisites & Notes:** SOC 1838G. Course may not be repeated. Credits: 1

SOC 2721 - Social Stratification.

(3-0-3) F, S. A descriptive and theoretical analysis of the issues of social inequities and social justice; a study of the problems created by differential status, power, and social mobility. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 2750G - Social Problems in Contemporary Society.

(3-0-3) On Demand. Sociological considerations of the historical development, definitions and nature of social problems, ranging from the global to the interpersonal, and grounded within theoretical frameworks. S7 901; SOC 911 Credits: 3

SOC 2761 - Introduction to Criminology.

This course provides an overview of the field of criminology. Students will be introduced to the various ways crime can be defined and measured, the relationship between crime and inequality, the major sociological/criminological theories that explain criminal behavior, and the types of crimes that pose threats to society and how we respond to those threats. CRJ 912 **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 2780 - The Sociology of Deviant Behavior.

(3-0-3) F, S. Historical and structural analysis of changing notions of definition, etiology and treatment of deviant behavior. Contemporary theory and research will be employed to illustrate recent trends and political consequences of such trends. SOC 915 Credits: 3

SOC 2820 - Sociology of Education.

(3-0-3) S. A sociological analysis of education as a distinct social institution with an emphasis on the complex organizational structure, the relationship between the educational system and the individual, as well as other social institutions, and the process of social change as it applies to the system of education. **Prerequisites & Notes:** Course may not be repeated. Credits: 3

SOC 2830 - Family and Society.

(3-0-3) F, S. Background of the modern family; the impact of culture and social change; personality factors involved in marriage; family disorganization. S7 902; SOC 912 WI Credits: 3

SOC 2840 - Racial and Cultural Minorities.

(3-0-3) On Demand. The causes and consequences of prejudice and discrimination; the effects of majority and minority status for intergroup relations. SOC 913 **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 2890G - Social Problems in Contemporary Society, Honors.

(3-0-3) On Demand. Sociological analysis of the historical development, definitions, and nature of social problems, grounded within theoretical frameworks. S7 901 WI **Prerequisites & Notes:** Admission to the University Honors College. Credits: 3

SOC 3000 - Sociology of Sport.

(3-0-3) F. Application of sociological theories and empirical research findings to sport, and its socio-cultural context. Focus on the functions of various forms of these activities for society, and controversies regarding their legitimacy. Cross-cultural, comparative examples are used. Credits: 3

SOC 3050 - Sociological Theory.

(3-0-3) F, S. A study of sociological theory from the classical founders through contemporary dialogue in the discipline. Special focus will be placed on major systems of sociological thought, primary contributors to the field, and possible applications of sociological theory to social phenomena. **Prerequisites & Notes:** SOC 1838G. Course may not be repeated. Credits: 3

SOC 3100 - Global Threats and Problems.

(3-0-3) S. An interdisciplinary study of current global problems. Four different social scientific approaches will be used to analyze complex questions regarding the survival of humanity given current threats to our environments, cultures, geopolitical affiliations, and socioeconomic structures. Topics may include famine, terrorism, information control, and disease, among others. Course may not be repeated. Cross-listed with CSC/ECN/GEG/PLS 3100. Credits: 3

SOC 3290 - Contemporary Social Theory, Honors.

(3-0-3) On Demand. This course will build on the foundation of classical theory to focus on the construction and application of the major contemporary theories used in current social research. There is a special focus on theory application to other coursework in the major and an honors thesis topic. WI **Prerequisites & Notes:** SOC 1838G. Course may not be repeated. Course restricted to Honors Sociology majors. Equivalent course: SOC 3050. Credits: 3

SOC 3420 - Sociology of Popular Culture.

(3-0-3) On Demand. This course examines sociological issues in the study of American popular culture such as the production, distribution and reception of popular culture, how culture is influenced by race, ethnicity, class, gender, sexuality, and other systems of stratification, and how these influences are reflected in various mass media outlets. **Prerequisites & Notes:** SOC 1838G or permission of the instructor. Course may not be repeated. Credits: 3

SOC 3600 - Introduction to Social Work.

(3-0-3) F, S. A survey of principles, techniques, and fields of social work. SW911 **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3620 - Research Methods for Collecting Social Data.

(3-0-3) F, S. Surveys social scientific methods developed to collect data in human populations. Stresses importance of problem formulation, research design, and interpretation. WI **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3622 - Population.

(3-0-3) F. A descriptive and theoretical analysis of the dynamics of population with emphasis on population trends. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3630 - Statistical Analysis of Social Data.

(3-2-4) F, S. Survey of statistical techniques used to summarize and describe the quantitative characteristics of social research. The course includes both descriptive and inferential statistics, using statistical software to analyze data. **Prerequisites & Notes:** SOC 3620. Credits: 4

SOC 3650 - Social Psychology.

(3-0-3) F, S. This course focuses on sociological social psychology, that is, how two or more persons fit their behaviors together in cooperation, in competition, and in conflict. The course provides a survey of research on the self, interpersonal and small group behavior, and collective action and social movements. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3660 - Social Organization.

(3-0-3) F. Analysis of the elements of social organization with an emphasis on complex organizations associated with urbanization and the development of large scale systems. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3691 - Social Statistics, Honors.

(3-1-4) On Demand. Survey of statistical techniques used to summarize and describe the quantitative characteristics of social research. The course includes both descriptive and inferential statistics, using software to analyze survey data, collected by U.S. Government and/or other organizations. **Prerequisites & Notes:** SOC 1838G. Course may not be repeated. Course restricted to Honors Sociology majors. Equivalent Course: SOC 3630. Credits: 4

SOC 3692 - Research Methods for Collecting Social Data, Honors

(3-0-3) On Demand. Surveys social scientific methods developed to collect data in human populations. Stresses importance of problem formulation, research design, and interpretation. WI **Prerequisites & Notes:** SOC 1838G. Course may not be repeated. Course restricted to Honors Sociology majors. Equivalent Course: SOC 3620. Credits: 3

SOC 3750 - Social Change.

(3-0-3) On Demand. Consideration of both historical and contemporary theoretical and applied means by which social structure is modified. Cross-cultural examples will be used extensively. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 3770 - Sociological Analysis of Crime and Criminal Justice System.

(3-0-3) S. An advanced study of social-psychological factors of crime and the adult offender, vis-à-vis the Criminal Justice system; i.e., apprehension, adjudication, treatment and prevention practices. **Prerequisites & Notes:** SOC 1838G, 2761 or permission of the instructor. Credits: 3

SOC 3780 - Policing Society: A Sociological Analysis.

(3-0-3) On Demand. A study of police roles, subculture, and organizational structure as well as a critical look at how police behavior enacts the democratic dilemma of balancing social order with individual freedoms. **Prerequisites & Notes:** SOC 1838G and SOC 2761. Technology-delivered sections of this course are restricted to students in EIU programs that are exclusively online or off-campus. Credits: 3

SOC 3820 - Environmental Sociology.

(3-0-3) F. Examines the interrelations between the natural environment, social organization, and social behavior. Attention is directed at both the social causes of and social responses to various environmental problems. **Prerequisites & Notes:** SOC 1838G or permission of the instructor. Credits: 3

SOC 3900 - Political Sociology.

(3-0-3) On Demand. Sociological analysis of the political systems of contemporary nation-states utilizing the concepts and theories relevant to this sub-field of sociology, with special emphasis on the distribution of power in contemporary societies. **Prerequisites & Notes:** SOC 1838G or permission of the instructor. Credits: 3

SOC 3903 - Gender Roles and Social Change.

(3-0-3) S. A sociological study of women's roles, the development of female and male roles and problems of men and women in the changing socio-cultural environment of the modern world. SOC 914 WI Credits: 3

SOC 3960* - Special Topics in Sociology.

(Arr.-0-1 to 3) On Demand. Specific areas within the discipline of sociology will be given intensive study through lectures, readings, reports, papers, and discussion. The topic will be announced in advance by the department chairperson. Each lettered course may not be repeated. Different topics may be taken, but no more than 6 hours may be applied as sociology elective credit. **Prerequisites & Notes:** SOC 1838G. *Course Numbers: SOC 3960A, B, D-F, H-M, O-R, T-Z Credits: 1 to 3

SOC 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

SOC 4000 - Sociology of Work and Occupations.

(3-0-3) Sociological analyses of social and technical relationships in the production system. Work and new technology. Work and gender. Bureaucracy and professionalism; Conflicts in the workplace and the efforts to cope with them. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 4010 - Sociology of Science and Knowledge.

(3-0-3) On Demand. Analysis of the social foundations of science and knowledge and the impact of science on other social institutions. **Prerequisites & Notes:** Junior-senior standing; minimum of 12 hours of sociology course work, including SOC 1838G (or permission of the instructor). Credits: 3

SOC 4240 - Sociology of Disasters.

(3-0-3) On Demand. Introduces critical theoretical and methodological approaches in the sociological study of disasters. Examines human preparedness and response to disaster events, issues of social stratification and inequality, and social forces that influence vulnerability and social policy. **Prerequisites & Notes:** SOC 1838G or permission of the instructor. Credits: 3

SOC 42751 - Internship in Sociology I.

(Arr.-Arr.-1-12) (Credit/No Credit) Experience in an agency or organization. The course will be offered on a credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. May not be repeated. **Prerequisites & Notes:** Permission of the Internship Coordinator, acceptance of the student by the agency or organization involved, a cumulative GPA of 2.50, a minimum of 75 hours of course work completed, and a minimum grade of C in either SOC 3660 or 4000. Credits: 1 to 12

SOC 42752 - Internship in Sociology II.

(Arr.-Arr.-1-12) (Credit/No Credit) Experience in an agency or organization. The course will be offered on a credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. May not be repeated. **Prerequisites & Notes:** Permission of the Internship Coordinator, acceptance of the student by the agency or organization involved, a cumulative GPA of 2.50, a minimum of 75 hours of course work completed, and a minimum grade of C in either SOC 3660 or 4000. Credits: 1 to 12

SOC 42753 - Internship in Sociology III.

(Arr.-Arr.-1-12) (Credit/No Credit) Experience in an agency or organization. The course will be offered on a credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. May not be repeated. **Prerequisites & Notes:** Permission of the Internship Coordinator, acceptance of the student by the agency or organization involved, a cumulative GPA of 2.50, a minimum of 75 hours of course work completed, and a minimum grade of C in either SOC 3660 or 4000. Credits: 1 to 12

SOC 42754 - Internship in Sociology IV.

(Arr.-Arr.-1-12) (Credit/No Credit) Experience in an agency or organization. The course will be offered on a credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. May not be repeated. **Prerequisites & Notes:** Permission of the Internship Coordinator, acceptance of the student by the agency or organization involved, a

cumulative GPA of 2.50, a minimum of 75 hours of course work completed, and a minimum grade of C in either SOC 3660 or 4000. Credits: 1 to 12

SOC 42755 - Internship in Sociology V.

(Arr.-Arr.-1-12) (Credit/No Credit) Experience in an agency or organization. The course will be offered on a credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. May not be repeated.

Prerequisites & Notes: Permission of the Internship Coordinator, acceptance of the student by the agency or organization involved, a cumulative GPA of 2.50, a minimum of 75 hours of course work completed, and a minimum grade of C in either SOC 3660 or 4000. Credits: 1 to 12

SOC 44001 - Independent Study I.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 44002 - Independent Study II.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 44003 - Independent Study III.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 44004 - Independent Study IV.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 44005 - Independent Study V.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 44006 - Independent Study VI.

(Arr.-Arr.-1-3) Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. May not be repeated. Independent Study courses may be taken to a maximum of 6 hours. **Prerequisites & Notes:** Fifteen semester hours of sociology and a cumulative GPA of 3.0 or better or permission of instructor. Credits: 1 to 3

SOC 4444 - Honors Independent Study.

(Arr.-Arr. 1-3) On Demand. Consideration of special topics in sociology, using secondary sources. Special emphasis on an area of interest to the student who must submit a detailed study proposal to be approved by faculty supervisor and Departmental Honors Coordinator, prior to registration. The product may be applied to SOC 4644, Honors Thesis. WI **Prerequisites & Notes:** Admission to Departmental Honors Program, permission of Departmental Honors Coordinator, and completion of a minimum of 15 hours of sociology. Course may be repeated for a maximum of 3 hours. Course restricted to Sociology majors. Equivalent courses: SOC 44001, 44002, 44003, 44004, 44005, or 44006. Credits: 1 to 3

SOC 4555 - Honors Research

(Arr.-Arr. 3) On Demand. In consultation with a faculty supervisor, the student designs, executes, and writes the results of an original piece of research using primary data. Any research methodology may be employed. The student must submit a detailed study proposal to be approved by the faculty supervisor and the Departmental Honors Coordinator prior to registration. The product may be applied to SOC 4644, Honors Thesis. WI **Prerequisites & Notes:** Admission to Departmental Honors Program, permission of Departmental Honors Coordinator, completion of SOC 4444, one of the honors core courses (SOC 3920 or SOC 3291 or SOC 3292), one of the non-honors core courses (SOC 3050 or SOC 3620 or SOC 3630), and completion of a total minimum of 18 hours of sociology. Course may not be repeated. Course restricted to Sociology majors. Credits: 3

SOC 4644 - Sociology Honors Thesis.

(Arr.-Arr. 3) On Demand. Preparation of a written thesis on a topic in sociology approved by faculty supervisor and Departmental Honors Coordinator prior to registration. WI **Prerequisites & Notes:** Admission to Departmental Honors Program, permission of Departmental Honors Coordinator, completion of SOC 4555, one of the honors core courses (SOC 3920 or SOC 3291 or SOC 3292), two of the non-honors core courses (SOC 3050 or SOC 3620 or SOC 3630), and completion of a total minimum of 30 hours of sociology. Course may not be repeated. Course restricted to Sociology majors. Credits: 3

SOC 4700 - Dynamics of Collective Behavior.

(3-0-3) S. Analysis of transitory phenomena, including publics, audiences, crowds, mobs, riots, and social movements. **Prerequisites & Notes:** SOC 1838G. Credits: 3

SOC 4720 - Sociology of Social Movements.

(3-0-3) S. This course surveys sociological approaches to the study of social movements. Topics include mobilization and recruitment, organization and tactics, identity and ideology, as well as the historical context in which social movement activism takes place. Case studies of specific movements will be presented. **Prerequisites & Notes:** SOC 1838G or permission of instructor. Course may not be repeated. Credits: 3

SOC 4750 - Sociological Analysis of Juvenile Delinquency.

(3-0-3) S. Advanced study of theories of etiology, treatment and prevention. **Prerequisites & Notes:** SOC 1838G, 2761 or permission of the instructor. Credits: 3

SOC 4790 - The Correctional Process: A Sociological Analysis.

(3-0-3) On Demand. Provides an understanding of the entire field of correctional systems in terms of its official objectives, its actual effects and effectiveness, including special focus on experimental programs. **Prerequisites & Notes:** SOC 1838G and SOC 2761. Technology-delivered sections of the course are restricted to students in EIU programs that are exclusively online or off-campus. Credits: 3

SOC 4800 - Sociological Aspects of Gerontology.

(3-0-3) On Demand. Review of current gerontological theories and research; consideration of structural and functional aspects of the social order as related to the aging process. **Prerequisites & Notes:** SOC 1838G or permission of instructor. Credits: 3

SOC 4820 - Sociology of Health and Health Care.

(3-0-3) S. This course provides a sociological analysis of health, illness, and health care systems. Substantive topics covered include the social distribution of health and illness, the illness experience, the socialization and development of health care workers, and the social organization of medicine. **Prerequisites & Notes:** SOC 1838G or permission of the instructor. Credits: 3

SOC 4900 - Current Issues in Sociology.

(3-0-3) F, S. Analysis of selected current social problems. Restricted to majors in Sociology and Social Science. **Prerequisites & Notes:** SOC 3050, 3620, and 3630; sociology core GPA of 2.00; senior standing except with permission of the instructor. Credits: 3

SPECIAL EDUCATION (SPE)**SPE 2000 - Disabilities in the Context of Education and the Life Span.**

(2-0-2) F, S. Disabilities and the impact of the presence of a disability on the individual and the family or primary caregivers will be the focus of this course. Impacts on the educational process and within the social context across the life span will be addressed. A historical perspective of special education and awareness of related laws and legislation are also addressed. The relationship of special education to the organization and function of education agencies will be explored, including the impact of culture on the shaping of schools. Required of all Special Education majors. For individuals who have completed SPE 3000 Fall 2002 or earlier, SPE 2000 will be waived. Credits: 2

SPE 3000 - Education of Individuals with Exceptional Learning Needs.

(3-0-3) This course examines the exceptional learning needs of individuals across levels of severity, and the laws, policies, and ethical principles governing the education of individuals with exceptional learning needs. Strategies that support student learning in the general and expanded curricula, and the educational programs designed to meet their needs in a range of instructional environments are addressed. **Prerequisites & Notes:** SPE 2000. Credits: 3

SPE 3100 - Learning Differences of Individuals with Moderate to Severe Exceptional Learning Needs.

(3-1-3) F, S. A study of differential behaviors of individuals with moderate to severe exceptional learning needs, across the life span, including individuals with mental retardation, physical and orthopedic handicaps, other health impairments, traumatic brain injury, and autism. Historical perspectives, etiology, terminology, and educational programming are also addressed. Additional emphases include cultural competence, facilitating independence, family/community services and involvement, equal access and opportunity in a variety of employment and life style choices. **Prerequisites & Notes:** Pre-requisite(s): SPE 2000 and SPE 3000 or concurrent enrollment. Required of all Special Education majors completing SPE 3200, Fall 2002 or after. Credits: 3

SPE 3200 - Learning Differences of Individuals with Mild/Moderate Exceptional Learning Needs.

(4-0-4) F, S. This course examines the differential behaviors (cognitive, language, motor, social and emotional) of individuals with exceptional learning needs. Learning disabilities, emotional disturbance/behavior disorders, mental retardation, and traumatic brain injury are addressed. Additionally, the impact that exceptional learning needs has on an individual's life and learning is discussed. **Prerequisites & Notes:** SPE 2000 and 3000 must be taken concurrently or as a prerequisite. SPE 3200 must be taken concurrently or as a prerequisite to 3201. Department requirements for enrollment must be met. Credits: 4

SPE 3201 - Observation of Individuals with Severe to Mild/Moderate Exceptional Learning Needs Across Severity Levels.

(0-6-3) F, S. This course includes preclinical clock hours of observation of individuals with exceptional learning needs across levels of severity. Instruction in the use of systematic observation strategies is provided. On-site observations are rotated among a range of instructional environments; a field trip is required. **Prerequisites & Notes:** SPE 3200 or concurrent enrollment. Department requirements for enrollment must be met. Credits: 3

SPE 3220 - Behaviors of Young Children (Birth to 8) At Risk and with Exceptional Learning Needs.

(3-2-3) F, S. This course is an overview of early childhood special education. Content includes: rationale/historical perspectives of early childhood special education, typical development, results of factors impacting development, and intervention issues/practices. A thirty-clock hour observation practicum with young children at risk and with exceptional learning needs is required. **Prerequisites & Notes:** or Co-requisite: SPE 3000. Department requirements for enrollment must be met. Credits: 3

SPE 3250 - Observation of Individuals With Exceptional Learning Needs: Learning Disabilities.

(0-2-1) Su. Thirty clock hours of observations of behaviors of individuals identified as having a learning disability are required. **Prerequisites & Notes:** This course must be taken concurrently or subsequent to SPE 3200. Limited to practicing teachers seeking Special Education licensure. Credits: 1

SPE 3260 - Observation of Individuals with Exceptional Learning Needs: Mental Retardation/Developmental Delays.

(0-2-1) Su. Thirty-clock hours of observations of behaviors of individuals identified as having mental retardation and/or developmental delays are required. **Prerequisites & Notes:** This course must be taken concurrently or subsequent to SPE 3200. Limited to practicing teachers seeking Special Education licensure. Credits: 1

SPE 3270 - Observation of Individuals with Exceptional Learning Needs: Seriously Emotionally Disturbed/Behavior Disorders.

(0-2-1) Su. Thirty-clock hours of observations of behaviors of individuals with serious emotional disturbance/behavior disorders are required. **Prerequisites & Notes:** This course must be taken concurrently or subsequent to SPE 3200. Limited to practicing teachers seeking Special Education licensure. Credits: 1

SPE 3500 - The Education of Individuals with Exceptional Learning Needs: Access to the General Curriculum.

(3-1-3) This course examines the exceptional learning needs of individuals across and enhancing their access to the general curriculum. The Individualized Education Program, its purpose, components, and relationship to the design of instruction are discussed. Strategies that support learning in the general and expanded curriculum to meet learning needs in the range of instructional environments are provided. This course has an independent performance activity component. **Prerequisites & Notes:** Junior standing. "University Admission to Teacher Education" requirements apply. Credits: 3

SPE 3600 - Behavioral Principles in Special Education.

(2-2-3) F, S. This course examines behavioral theories of learning as used in Special Education and requires a practicum experience in which the principles of behavior analysis are directly applied in changing academic/social behavior of individuals with exceptional learning needs in school or community settings. WI **Prerequisites & Notes:** SPE 2000 and 3000 or concurrent enrollment in 3000. Credits: 3

SPE 3700 - Individualized Independence Curriculum and Materials.

(3-2-3) F, S. A study of the curricular content and materials utilized in the planning and programming for individuals in the independence curriculum. A practicum experience is provided in which integration activities are conducted with individuals who have exceptional learning needs in public schools and/or community programs. **Prerequisites & Notes:** SPE 2000, 3000, and 3100 or concurrent enrollment. Credits: 3

SPE 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

SPE 4444 - Honors Independent Studies.

(3) Consideration of special topics in special education. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

SPE 4530 - Facilitating Language in Individuals with Exceptional Learning Needs.

(3-0-3) F, S. Strategies for assessing and facilitating language development in individuals with exceptional learning needs across levels of severity, excluding visual impairments, are examined. Additional areas of emphasis include: instructional strategies for cultural and linguistic diversity, use of assistive devices, functional language assessment, and collaboration with families and other professionals. **Prerequisites & Notes:** SPE 3000 and CDS 2200. Permission of the department chairperson required for non-majors. Credits: 3

SPE 4600 - Community Services and Communication with Families of Learners with Exceptional Learning Needs.

(3-1-3) F, S. This course addresses community services and agencies and the skills essential to communicating effectively with the families and/or guardians of individuals with exceptional learning needs. Particular emphasis is given to strategies to enhance home-school communication and family involvement in educational programming for individuals with exceptional learning needs. **Prerequisites & Notes:** Permission of the department chairperson required for non-majors. Credits: 3

SPE 4644 - Honors Thesis.

(Arr.-Arr.-3) Intensive research in preparation of a thesis on a topic in special education approved by faculty supervisor and the Departmental Honors Coordinator. May not be repeated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

SPE 4666 - Honors Seminar.

(Arr.-Arr.-3) Areas of investigation which require integration of special education and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

SPE 4700 - Individualized General Curriculum and Materials.

(3-0-3) F, S. A study of curricular content and materials which provide and enhance access to the general curriculum for individuals with exceptional learning needs. Development and the role of the Individualized Education Program in curriculum development and material selection and development are significant components of this course. **Prerequisites & Notes:** SPE 2000, 3000, 3200 and 3201. Credits: 3

SPE 4720 - Instructional Materials and Activities for Young Children (Birth to 8) At Risk and with Exceptional Learning Needs.

(3-0-3) F, S. Service delivery models/issues, working with families, teaming strategies, utilization of technology, IEP writing, and the selection, development, and adaptation of instructional materials and activities for young children at risk and with exceptional learning needs

are the focus of this course. **Prerequisites & Notes:** SPE 3000 and 3220 or permission of the Department Chairperson. Co-requisite: SPE 4820 or permission of the Department Chairperson. Credits: 3

SPE 4730 - Curriculum Adaptation and Consultation for Individuals With Exceptional Learning Needs.

(3-2-3) F, S. Consultation skills essential to collaborate and facilitate adaptation of general and expanded curriculum for individuals with exceptional learning needs are the focus of this course. The process for designing, implementing, and evaluating the effectiveness of curriculum adaptations is also addressed. **Prerequisites & Notes:** SPE 3000, 3200 and 3201; SPE 4700 must be taken prior to or concurrently with this course. Credits: 3

SPE 4741 - Independent Study.

(Arr.-Arr.-1-3) Study of a topic selected by the candidate subject to approval of the Department Chairperson. May be repeated once for a total of six semester hours of credit. **Prerequisites & Notes:** Permission of the Department Chairperson. Credits: 1 to 3

SPE 4765 - Identification and Instructional Strategies: Individuals with Gifts and Talents.

(3-1-3) On Demand. This course prepares teachers to identify individuals with gifts and talents. Modification of the general curriculum and instructional strategies for learners with gifts and talents are addressed. **Prerequisites & Notes:** SPE 2000 and 3000 and permission of department chairperson. Credits: 3

SPE 4800 - Diagnosis and Assessment of Learners with Exceptional Learning Needs.

(3-2-4) This course examines formal and informal assessment as used to determine achievement of individuals with exceptional learning needs across severity levels. Selection, administration, scoring, and interpretation of formal and informal assessments for the purpose of identifying exceptional learning needs are also addressed. Supervised and evaluated administration and interpretation of diagnostic tests is integral to this course. WI **Prerequisites & Notes:** SPE 3000, 3200, 3201; 4700 must be taken prior to or concurrently with this course. Credits: 4

SPE 4820 - Assessment of Young Children (Birth to 8) With Exceptional Learning Needs.

(3-1-3) F, S. This course addresses both formal and informal assessment of young children at risk and with exceptional learning needs across severity levels, excluding vision and hearing. Screening, observation strategies, the link between assessment and instruction, and writing formative and summative reports are also addressed. Practica provides observation of preschool screening and administration of norm referenced/criterion referenced assessments. **Prerequisites & Notes:** SPE 3000 and 3220 or permission of the department chairperson. Corequisite: SPE 4720 or permission of the department chairperson. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

SPE 4900 - Instructional Strategies for Individuals with Exceptional Learning Needs.

(6-0-6) F, S. General and specialized instructional strategies used with individuals with exceptional learning needs across severity levels, excluding vision and hearing, are presented. Effectively designing, implementing, and evaluating instruction/instructional plans tailored to the exceptional learning needs of the learner across a range of severity levels and instructional environments are addressed. Concurrent enrollment in SPE 4901 (practicum component) required. **Prerequisites & Notes:** SPE 4800. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 6

SPE 4901 - Practicum with Individuals with Exceptional Learning Needs.

(0-8-4) F, S. Provision of explicit instruction to students with exceptional learning needs in a supervised and evaluated practica; including the designing, implementing, and evaluating of individualized instruction/instructional plans. Specialized instructional strategies which support the learner in the general and expanded curricula are practiced in school settings. WI **Prerequisites & Notes:** SPE 4800. University Teacher Education requirements apply and department requirements for enrollment must be met. Concurrent enrollment in SPE 4900 required. Credits: 4

SPE 4920 - Instructional Strategies: Young Children (Birth through 8) at Risk and with Exceptional Learning Needs.

(3-4-3) F, S. This course introduces and provides practice in techniques for planning, implementing, and evaluating effective intervention for young children with and at-risk for exceptional learning needs and their families. A sixty-hour teaching practicum is required. **Prerequisites & Notes:** SPE 4720 and 4820. University Teacher Education requirements apply and department requirements for enrollment must be met. Credits: 3

SPE 4925 - Communication Skills of Children (Birth to 8) At Risk and with Exceptional Learning Needs.

(3-0-3) F, S. This course addresses strategies for assessment and instruction of verbal/nonverbal skills of young children ages birth to eight at risk and with exceptional learning needs across levels of severity, excluding visual impairment. Additional areas of emphasis include: cultural and linguistic diversity, assistive communication devices, and collaboration with families and Speech Language Pathologists. **Prerequisites & Notes:** SPE 3000, 3220, and CDS 2200, or permission of the Department Chairperson. Credits: 3

STRATEGIES FOR ACADEMIC SUCCESS (EIU)

EIU 2919 - Strategies for Academic Success.

(1-0-1) F, S. Enrollment required of student placed on academic warning for the first time. Topics will include self-assessment, goal-setting, time management, study skills, learning styles and motivation. Does not count toward graduation. Credits: 1

STUDENT LEADERSHIP (STL)

STL 3000 - Student Leadership.

(2-0-2) S. (Credit/No Credit) Open to beginning, intermediate and advanced leaders. A seminar in student leadership with emphasis on the development of leadership skills and the administration of EIU. Credits: 2

STUDENT TEACHING (STG)

STG 4000 - Multicultural/Disabilities Practicum.

(Arr.-Arr.-1) (Credit/No Credit) Twenty-five clock hours of direct participation in observation relative to populations with disabilities and those who are multicultural. Site must be approved. Required of students pursuing teacher licensure, except students in Communication Disorders and Sciences and students in ISEP. Credits: 1

STG 4001 - Student Teaching.

(Arr.-Arr.-12, 14, 16) (Credit/No Credit) Students complete 15 weeks of student teaching for 14 semester hours of credit with the exception of Family and Consumer Sciences majors and ISEP students who complete 15 weeks of student teaching for 12 semester hours of credit. Special Education majors, Early Childhood Education majors, and Early Childhood Education majors with dual certification in Elementary Education complete 16 weeks of student teaching for 16 semester hours of credit. See your major department for specific requirements. Student Teaching may not commence until passing scores on the Illinois Basic Skills Test and the Illinois Content Area Test, specific to the major, are verified. Credit for student teaching is earned by successful completion of the student teaching experience, and completion of all departmental requirements which may apply. Credits: 12-16

STUDY ABROAD (STA)

STA 3960 - Study Abroad: Exchange.

(Arr.-Arr.-1-16) Enrollment in an international exchange program. Students pay tuition to EIU. Approval from the Office of Study Abroad is required. Credits: 1 to 16

STA 3961 - Study Abroad: One-Way.

(Arr.-Arr.-1-16) Enrollment in an international one-way program. Approval from the Office of Study Abroad is required. Credits: 1 to 16

STA 3970 - Study Abroad: Faculty-Led.

(Arr.-Arr.-1-16) Enrollment in a faculty-led study abroad program. Consists of a mix of lectures, exercises, excursions, and group time. Approval from the Office of Study Abroad is required. Credits: 1 to 16

STA 3990 - Study Abroad: Honors.

(Arr.-Arr.-1-16) Enrollment of Honors College students in an Honors-specific study abroad of program. Approval from the Office of Study Abroad is required. Credits: 1 to 16

STA 4000G - Study Abroad Capstone.

(1-0-1) Students will exercise their abilities to think critically about their global education experiences. They will develop, summarize, and synthesize their individualized experience through readings, assignments, a reflective piece for the Electronic Writing Portfolio, an individualized project, and a presentation. WI **Prerequisites & Notes:** Must have completed an approved study abroad program and 75 semester hours. Credits: 1

STA 4275 - Study Abroad: Internship.

(Arr.-Arr.-1-16) Enrollment in an international internship program for credit. Approval from the Office of Study Abroad is required. Credits: 1 to 16

THEATRE ARTS (THA)

THA 1133 - Oral Interpretation.

(3-3-3) F. Study of basic oral interpretation techniques which develop sensitivity and responsiveness to literature, enabling the student to communicate in performance the recreation of this literary experience to an audience. TA 916 Credits: 3

THA 1134 - Stage Movement.

(2-2-2) F. Intensive work in theatrical movement designed for individuals enrolled in acting. Students will increase their ability to orient their body in space within structured and guided experiences that utilize the concepts of movement theorists such as Laban, Sweigard and Alexander. TA 916 Credits: 2

THA 1144 - Acting for Non-Majors.

(3-3-3) F. Introduction to acting for the non-major; exercises in concentration, relaxation, imagination, observation, and sensory awareness; development of theatrical creativity through objectives, obstacles, action, conflict, and moment-to-moment spontaneity; culminates in the development of a scene for stage. Credits: 3

THA 2000 - Hands-On Theatre: Performance.

(0-3-1) F, S. Practical acting experience in faculty-supervised Theatre Arts Department Mainstage or Studio productions or for significant participation in departmental student productions. **Prerequisites & Notes:** Repeatable once for a maximum of two hours' credit. Credits: 1

THA 2001 - Hands-On Theatre: Costuming I.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is a requirement for Theatre Arts Majors, giving hands-on experience in the Costume Shop. It is also a prerequisite for further work in the Costume Shop. **Prerequisites & Notes:** THA 2210 or permission of the instructor. Credits: 1

THA 2002 - Hands-On Theatre: Scenic/Lighting I.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as a requirement giving hands-on experience in the Scene and Light Shops. It is also the prerequisite for further shop work. **Prerequisites & Notes:** THA 2211 or permission of the instructor. Credits: 1

THA 2003 - Hands-On Theatre: Costuming II.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is a requirement for Theatre Arts Majors, giving more advanced hands-on experience in the Costume Shop. **Prerequisites & Notes:** THA 2001. Credits: 1

THA 2004 - Hands-On Theatre: Scenic/Lighting II.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as a requirement giving hands-on experience in the Scene and Light Shops. It is also the prerequisite for further shop work. **Prerequisites & Notes:** THA 2002 or permission of the instructor. Repeatable once for a maximum of two hours' credit. Credits: 1

THA 2005 - Stage Makeup.

(3-3-3) F. Fundamentals in design and use of stage theatrical makeup. Students will execute makeup designs using basic techniques and progressing to more challenging makeup styles. TA 912 Credits: 3

THA 2010G - Arts Omnibus.

(2-2-3) F, S. An experiential overview of the performing and visual arts, their inter-relatedness, their importance to an enhanced quality of life. Outside viewing assignments required. Credit will not be awarded for Art 2010 or MUS 2010G in addition to Theatre 2010G. F9 900 Credits: 3

THA 2012G - Non-Western Theatre.

(3-0-3) F, S. Theatre Arts from outside the European and North American traditions will be examined. Credit will not be awarded for Art 2012G in addition to Theatre 2012G. WI Credits: 3

THA 2140G - Introduction to the Theatre.

(3-0-3) F, S. A general introduction to all aspects of theatre as a live performance and visual art. Outside viewing required. F1 907 Credits: 3

THA 2190G - Introduction to the Theatre, Honors.

(3-0-3) F, S. A general introduction to all aspects of theatre as a live performance and visual art. Outside viewing required. F1 907 WI
Prerequisites & Notes: Admission to the University Honors College. Credits: 3

THA 2210 - Introduction to Costuming.

(3-3-3) S. The basic techniques required for theatrical costume construction. Students will gain a basic working knowledge of the costume shop, including an understanding of patterns, fabric manipulation, and basic sewing skills. TA 913 Credits: 3

THA 2211 - Stagecraft.

(3-3-3) F. The basic techniques required for the construction, painting, rigging, and shifting of scenery with emphasis on safety and on standard backstage and scene shop organization and procedures. TA 911 Credits: 3

THA 2220 - Theatre Seminar I.

(1-1-1) F. An introductory seminar that focuses on the training and evaluation of the Theatre Arts major. This seminar is required of all new theatre majors, transfers, or current students changing their major to Theatre Arts. Credits: 1

THA 2244 - Basic Acting.

(3-3-3) S. Beginning acting; basic skills and concepts of acting. Exploration of the actor's internal (psychological-emotional) resources through exercises, theatre games, discussions, and performance projects. Open only to theatre majors and minors. TA 914 Credits: 3

THA 2257 - Graphics for the Performing Arts.

(3-3-3) F. Concerned with the processes of drafting, perspective drawing and figure drawing as applicable to the areas of scenic design, lighting design and costume design for the theatre. **Prerequisites & Notes:** THA 2110, 2211, or permission of the instructor. Credits: 3

THA 2258 - Script Analysis.

(3-0-3) F. This course is designed to teach the student how to analyze playscripts in terms of and in preparation for performance and production, regardless of theatrical specialization. The student will learn basic concepts and terminology associated with dramatic literature, examine several genres and their traits, and discover means of presenting the playwrights' ideas on the stage. H3 902 WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 2281 - Summer Theatre: Performance I.

(Arr.-Arr.-3-6) Su. Practical, comprehensive experiences in performance in theatre arts. May substitute for THA 1144 or 2244 with permission of the instructor and Department Chair. A maximum of nine semester hours total from THA 2281 and 4810 may be counted toward graduation. Contact Theatre Arts Department for details concerning auditions and interviews. Credits: 3 to 6

THA 2282 - Summer Theatre: Tech I.

(Arr.-Arr.-3-6) Su. Practical, comprehensive experiences in technical theatre arts. May substitute for THA 2210 and/or 2211 with permission of the instructor and Department Chair. A maximum of nine semester hours total from 2282 and 4811 may be counted toward graduation. Contact Theatre Arts Department for details concerning auditions and interviews. Credits: 3 to 6

THA 30001 - Hands-On Theatre: Advanced Performance I.

(0-3-1) F, S. Practical advanced performance (acting) experience in faculty-supervised Theatre Arts Department Mainstage or Studio productions or for significant participation in departmental student productions. **Prerequisites & Notes:** THA 2000, and either THA 1144 or THA 2244, or permission of instructor. Credits: 1

THA 30002 - Hands-On Theatre: Advanced Performance II.

(0-3-1) F, S. Practical advanced performance (acting) experience in faculty-supervised Theatre Arts Department Mainstage or Studio productions or for significant participation in departmental student productions. **Prerequisites & Notes:** THA 2000, and either THA 1144 or THA 2244, or permission of instructor. Credits: 1

THA 30003 - Hands-On Theatre: Advanced Performance III.

(0-3-1) F, S. Practical advanced performance (acting) experience in faculty-supervised Theatre Arts Department Mainstage or Studio productions or for significant participation in departmental student productions. **Prerequisites & Notes:** THA 2000, and either THA 1144 or THA 2244, or permission of instructor. Credits: 1

THA 30004 - Hands-On Theatre: Advanced Performance IV.

(0-3-1) F, S. Practical advanced performance (acting) experience in faculty-supervised Theatre Arts Department Mainstage or Studio productions or for significant participation in departmental student productions. **Prerequisites & Notes:** THA 2000, and either THA 1144 or THA 2244, or permission of instructor. Credits: 1

THA 30011 - Hands-On Theatre: Advanced Costuming I.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is an elective for Theatre Arts Majors, giving more advanced hands-on experience in the Costume Shop. **Prerequisites & Notes:** THA 2001, or permission of the instructor. Credits: 1

THA 30012 - Hands-On Theatre: Advanced Costuming II.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is an elective for Theatre Arts Majors, giving more advanced hands-on experience in the Costume Shop. **Prerequisites & Notes:** THA 2001, or permission of the instructor. Credits: 1

THA 30013 - Hands-On Theatre: Advanced Costuming III.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is an elective for Theatre Arts Majors, giving more advanced hands-on experience in the Costume Shop. **Prerequisites & Notes:** THA 2001, or permission of the instructor. Credits: 1

THA 30014 - Hands-On Theatre: Advanced Costuming IV.

(0-3-1) F, S. This course gives students practical experience working with costumes on Mainstage or Studio productions. It is an elective for Theatre Arts Majors, giving more advanced hands-on experience in the Costume Shop. **Prerequisites & Notes:** THA 2001, or permission of the instructor. Credits: 1

THA 30021 - Hands-On Theatre: Advanced Scenic/Lighting I.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as an elective giving further practical experience in the Scene and Light Shops. **Prerequisites & Notes:** THA 2002 or permission of the instructor. Credits: 1

THA 30022 - Hands-On Theatre: Advanced Scenic/Lighting II.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as an elective giving further practical experience in the Scene and Light Shops. **Prerequisites & Notes:** THA 2002 or permission of the instructor. Credits: 1

THA 30023 - Hands-On Theatre: Advanced Scenic/Lighting III.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as an elective giving further practical experience in the Scene and Light Shops. **Prerequisites & Notes:** THA 2002 or permission of the instructor. Credits: 1

THA 30024 - Hands-On Theatre: Advanced Scenic/Lighting IV.

(0-3-1) F, S. This course, a production/technical course for the Theatre Arts major, will serve as an elective giving further practical experience in the Scene and Light Shops. **Prerequisites & Notes:** THA 2002 or permission of the instructor. Credits: 1

THA 3220 - Theatre Seminar II.

(1-1-1) S. An advanced seminar that focuses on final evaluation of the Theatre Arts majors with Junior/Senior standing or permission of the Department Chair. **Prerequisites & Notes:** THA 1133, 1134, 2210, 2211, 2220, 2244, 2257 and 2258 or with permission of the Department Chair. Credits: 1

THA 3257 - Graphics II: Introduction to CAD FOR THE THEATRE.

(3-3-3) S. This course, a technical course for the Theatre Arts major, will serve as a prerequisite to further design studies in certain areas of scene, lighting and costume design. A basic knowledge of Macintosh computers is helpful, but not required. **Prerequisites & Notes:** THA 2210, 2211, 2257 or permission of the instructor. Credits: 3

THA 3333 - Advanced Oral Interpretation.

(3-3-3) S. Interpretation, adaptation, compilation and the directing of literature for performance in traditional and experimental styles. Introduction to the aesthetics of interpreter's theatre. **Prerequisites & Notes:** THA 1133, 2258, or permission of the instructor. Credits: 3

THA 3334 - Performing Voice.

(2-2-2) S. A continuation of the work begun in Basic Acting with a focus on vocal production. Emphasis on developing an audible, resonant voice; clear diction; and a relaxed and properly aligned body, all in the context of acting/performance. **Prerequisites & Notes:** THA 1134 or permission of instructor. Credits: 2

THA 3344 - Scene & Character Study.

(3-3-3) F-even-numbered years. A course in contemporary realistic scene and character study for the actor, based on terminology and concepts developed by C. Stanislavski. Students will prepare written character biographies and scene analyses, then perform scenes or monologues focusing on the character's inner belief, motivation, and goals. **Prerequisites & Notes:** THA 1134, 2244, 2258, or permission of the instructor. Credits: 3

THA 33451 - Topics in Acting I.

(3-3-3) S-odd-numbered years. This course is designed to prepare students for the demands of acting in film and television, non-realistic, period, or stylized productions. Styles may include film studies or techniques (for camera), non-western forms, the Greeks, Shakespeare, Comedy of Manners, Brecht, and/or the Absurdist. **Prerequisites & Notes:** THA 1133, 1134, 2244, 2258, or permission of the instructor. Credits: 3

THA 33452 - Topics in Acting II.

(3-3-3) S-odd-numbered years. This course is designed to prepare students for the demands of acting in film and television, non-realistic, period, or stylized productions. Styles may include film studies or techniques (for camera), non-western forms, the Greeks, Shakespeare, Comedy of Manners, Brecht, and/or the Absurdist. **Prerequisites & Notes:** THA 1133, 1134, 2244, 2258, or permission of the instructor. Credits: 3

THA 33453 - Topics in Acting III.

(3-3-3) S-odd-numbered years. This course is designed to prepare students for the demands of acting in film and television, non-realistic, period, or stylized productions. Styles may include film studies or techniques (for camera), non-western forms, the Greeks, Shakespeare, Comedy of Manners, Brecht, and/or the Absurdist. **Prerequisites & Notes:** THA 1133, 1134, 2244, 2258, or permission of the instructor. Credits: 3

THA 3346 - Dialects.

(3-3-3) F-odd-numbered years. This is a course that teaches students how to acquire an authentic-sounding dialect and how to utilize it convincingly in acting. Dialects may include British, Cockney, Irish, American regional, or a selection of these. **Prerequisites & Notes:** THA 2244, 2258, or 3334 or permission of instructor. Credits: 3

THA 33471 - Topics in Theatre Movement I

(3-3-3) F. Topics in Theatre Movement introduces the student to various styles and skills of theatrical movement. Topic varies based on production needs within the department. Topics may include such subjects as Period Styles, Alexander Technique, Stage Combat, Musical Theatre, Improvisation, Mime, and Non-western styles. **Prerequisites & Notes:** THA 1134 or permission of the instructor. Credits: 3

THA 33472 - Topics in Theatre Movement II.

(3-3-3) F. Topics in Theatre Movement introduces the student to various styles and skills of theatrical movement. Topic varies based on production needs within the department. Topics may include such subjects as Period Styles, Alexander Technique, Stage Combat, Musical Theatre, Improvisation, Mime, and Non-western styles. **Prerequisites & Notes:** THA 1134 or permission of the instructor. Credits: 3

THA 33473 - Topics in Theatre Movement III.

(3-3-3) F. Topics in Theatre Movement introduces the student to various styles and skills of theatrical movement. Topic varies based on production needs within the department. Topics may include such subjects as Period Styles, Alexander Technique, Stage Combat, Musical Theatre, Improvisation, Mime, and Non-western styles. **Prerequisites & Notes:** THA 1134 or permission of the instructor. Credits: 3

THA 3348 - Auditioning.

(3-3-3) S-even-numbered years. Auditioning is designed to provide the Theatre Arts student with a heightened knowledge of the audition experience and prepare the student for professional work through the accumulation of several viable performance-ready audition pieces and the development of various styles of resume. **Prerequisites & Notes:** THA 1134, 2244, 2258 or permission of the instructor. Credits: 3

THA 3357 - Scene Design.

(3-3-3) F-even-numbered years. Consideration of the design sequence from analysis of the script to the composition of production drawings; practical experience. **Prerequisites & Notes:** THA 2257 or permission of the instructor. Credits: 3

THA 3358 - Design and History of Costume.

(3-3-3) F-odd-numbered years. History of costume from the early Egyptians to 1900. Costume design for theatrical production. **Prerequisites & Notes:** THA 2257 or permission of the instructor. Credits: 3

THA 3360 - Stage Lighting.

(3-3-3) S-odd-numbered years. Explores basic skills and techniques in lighting theatrical productions. **Prerequisites & Notes:** THA 2257, 3257, or permission of the instructor. Credits: 3

THA 33611 - Theatre Production Topics I.

(3-3-3) F, S. A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to design or management aspects of theatre production. Topic varies based on production/student needs within the department. **Prerequisites & Notes:** THA 2005, 2210, 2211, 2257 and 2258 or permission of the instructor. Credits: 3

THA 33612 - Theatre Production Topics II.

(3-3-3) F, S. A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to design or management aspects of theatre production. Topic varies based on production/student needs within the department. **Prerequisites & Notes:** THA 2005, 2210, 2211, 2257 and 2258 or permission of the instructor. Credits: 3

THA 33613 - Theatre Production Topics III.

(3-3-3) F, S. A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to design or management aspects of theatre production. Topic varies based on production/student needs within the department. **Prerequisites & Notes:** THA 2005, 2210, 2211, 2257 and 2258 or permission of the instructor. Credits: 3

THA 3400 - Methods of Teaching Theatre in the Secondary School.

(3-0-3) S-odd-numbered years. This course will demonstrate to students seeking Teacher Certification in Theatre the means to incorporate Theatrical material into a High or Middle School Curriculum. The student will also develop and teach a unit in Theatre Arts. **Prerequisites & Notes:** THA 1133, 2210, 2211, 1144 or 2244 and 2258. Credits: 3

THA 3431 - Children's Theatre Tour.

(3-3-3) F. Introduces the student to the practical aspects of producing plays for young people. The focus of the course is on the development of a theatre piece which will then be presented to area students. Basic creative dramatics activities will be introduced. **Prerequisites & Notes:** May be taken twice for credit. Credits: 3

THA 3432 - Creative Dramatics for the Classroom Teacher.

(3-0-3) S-even-numbered years. For students interested in working with children either in teaching or in recreational programs; gives the student the necessary skills to become a confident and successful drama leader. **Prerequisites & Notes:** ENG 1002G. Credits: 3

THA 3434 - Basic Theatrical Design.

(3-3-3) S-even-numbered years. The designer's procedure from script analysis and concept to completed production drawings. Exploration of design in terms of aesthetics, genre, production modes, and historical periods and styles in two or more of the three theatrical design areas (costumes, lighting, scenery). **Prerequisites & Notes:** THA 2210, 2211, 2220, 2257, 2258 or permission of instructor. Credits: 3

THA 3445 - Directing.

(3-3-3) S. The study and actual production of the play. Central emphasis is placed on directing. **Prerequisites & Notes:** THA 2211, 2244, 2258 or permission of the instructor. Credits: 3

THA 3500 - Independent Study.

(Arr.-Arr.-1-6) Problems in theatre arts in which the student works under the supervision of a staff member. **Prerequisites & Notes:** Permission of the instructor and the Department Chair. Course is repeatable one time for a maximum of 6 credit hours. Credits: 1 to 6

THA 3751G - Theatre History I.

(3-0-3) F or Su as needed Effects of social, political, religious and aesthetic forces upon the development of the theatre during pivotal moments in civilization, from the prehistoric era to the 17th Century. Attention given to the development of theatre as an art form. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 3752G - Theatre History II.

(3-0-3) S or Su as needed This course will trace the evolution of the modern theatre beginning with the Restoration, moving through the Romantic movement, and ending with the emergence of the Modern Theatre at the end of the 19th and beginning of the 20th century. Students will examine the history, society and dramatic literature of the various movements. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 3753G - Development of American Theatre and Drama.

(3-0-3) F-even-numbered years. Major themes in American civilization as seen through the 18th-20th Century American plays. Attention given to development of theatre as an art form and as a social-cultural force in the U.S. Focus is on reading and analyzing dramatic texts. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 3754G - American Theatre on Film.

(3-1-3) S-even-numbered years. Analysis of significant American plays and film versions thereof. The object is to understand and appreciate similarities and differences between film and theatre as art and to gain insights into aspects of American society, as reflected in the works. Outside viewing assignments required. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 3755G - African-American Theatre.

(3-0-3) F-odd-numbered years. This course will trace the roots of the African-American Theatre movement to African ritual, its transfer to the United States, and eventual evolution into a dynamic movement from 1960 to the present. This course satisfies the Non-western component for Teacher Certification majors. WI **Prerequisites & Notes:** ENG 1001G and ENG 1002G. Credits: 3

THA 3756 - Twentieth Century Theatre.

(3-0-3) S-odd-numbered years. Social, political, economic, philosophical, and artistic currents that shaped 20th century Western non-musical theatre, drama, and design. Attention given to defining moments and persons in the period. WI **Prerequisites & Notes:** ENG 1001G, ENG 1002G, THA 3752G. Credits: 3

THA 3793G - Development of American Theatre and Drama, Honors.

(3-0-3) On Demand. Major themes and forces in American civilization as seen through the 18th-20th Century American plays. Attention given to development of theatre as an art form and as a social-cultural force in the U.S. Focus is on reading and analyzing dramatic texts. WI **Prerequisites & Notes:** Admission to the University Honors College, ENG 1091G, and ENG 1092G. Credits: 3

THA 3970 - Study Abroad.

(Arr.-Arr.-1-15) See STA 3970. Credits: 1 to 15

THA 4275 - Theatre Internship.

(Arr.-Arr.-1-6.) F, S, Su. (Credit/No Credit) On-the-job experience for Theatre Arts majors in an approved performance, technical/design, or business capacity in theatre or such allied areas as film, television, radio, theme park, etc. Purpose is to augment skills not usually available in the classroom setting. **Prerequisites & Notes:** THA arts major, senior level, approval of the Department Chair. Credits: 1 to 6

THA 4400 - Advanced Directing Studies.

(3-3-3) On Demand. Special problems in directing. Each student will be required to direct and produce a production for public performance. **Prerequisites & Notes:** THA 2211, 2244, 2257, and 3445. Repeatable once with permission for a maximum of six hours credit. Credits: 3

THA 4444 - Honors Independent Study.

(3-0-3) Consideration of special topics in Theatre. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

THA 45501 - Advanced Design Studies I.

(3-3-3) As needed. Problems in theatrical design (scenic, lighting, costume) in which a student works and studies under the supervision of a faculty member to produce a design for a particular theatrical production of the Theatre Arts Department. **Prerequisites & Notes:** Permission of the instructor and the Department Chair plus completion of one design course. Credits: 3

THA 45502 - Advanced Design Studies II.

(3-3-3) As needed. Problems in theatrical design (scenic, lighting, costume) in which a student works and studies under the supervision of a faculty member to produce a design for a particular theatrical production of the Theatre Arts Department. **Prerequisites & Notes:** Permission of the instructor and the Department Chair plus completion of one design course. Credits: 3

THA 45503 - Advanced Design Studies III.

(3-3-3) As needed. Problems in theatrical design (scenic, lighting, costume) in which a student works and studies under the supervision of a faculty member to produce a design for a particular theatrical production of the Theatre Arts Department. **Prerequisites & Notes:** Permission of the instructor and the Department Chair plus completion of one design course. Credits: 3

THA 4555 - Honors Research.

(3-0-3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

THA 4644 - Honors Thesis.

(3-0-3) Intensive research in preparation of a thesis on a topic in Theatre approved by faculty supervisor and the Departmental Honors Coordinator. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. May be taken twice for credit. Credits: 3

THA 4666 - Honors Seminar.

(3-0-3) Areas of investigation which require integration of Theatre Arts activities and research will be treated. **Prerequisites & Notes:** Admission to the Departmental Honors Program and permission of the Departmental Honors Coordinator. Credits: 3

THA 4810 - Summer Theatre: Performance II.

(Arr.-Arr.-3-6) Su. Practical, comprehensive experiences in performance in theatre arts. May substitute, with permission of the instructor(s) and the Department Chair, for 3344, 3345, 3346, 3347, and/or 3431. A maximum of nine semester hours total from THA 2281 and 4810 may be counted toward graduation. Contact the Theatre Arts Department for details concerning auditions and interviews. Credits: 3 to 6

THA 4811 - Summer Theatre: Tech.

(Arr.-Arr.-3-6) Su. Practical, comprehensive experiences in technical theatre. May substitute, with permission of the instructor(s) and the Department Chair, for 4550. A maximum of nine semester hours total from THA 2282 and 4811 may be counted toward graduation. Contact the Theatre Arts Department for details concerning auditions and interviews. Credits: 3 to 6

THA 4812 - Summer Theatre: Directing.

(Arr.-Arr.-3-6) Su. Practical, comprehensive experiences in theatrical directing. May substitute, with permission of the instructor(s) and the Department Chair, for 4400. Contact the Theatre Arts Department for details concerning auditions and interviews. Credits: 3 to 6

THA 4834 - Methods of Play Production in Middle and Secondary Schools.

(2-3-3) Su. The course focuses on the special problems of play production in the public schools for non-theatre majors. **Prerequisites & Notes:** Graduate or senior standing or permission of the instructor. Credits: 3

UNIVERSITY FOUNDATIONS (EIU)

EIU 1111 - University Foundations.

(2-0-2) F. An inquiry into the academic expectations, resources, policies, and traditions of university life. Students are challenged to enhance their intellectual potential, understand their academic and moral responsibilities, and appreciate diversity in a framework that develops critical thinking, learning, and communication skills necessary to contribute successfully to the university's intellectual life. An experiential learning component engages students in the scholarly and co-curricular community. This course may not be taken credit/no credit. **Prerequisites & Notes:** First-year student standing (fewer than 30 semester hours of earned credit). Course may not be repeated regardless of the grade the student originally earned in it. Credits: 2

WOMEN'S STUDIES (WST)

WST 2309G - Women, Men, and Culture.

(3-0-3) F, S. Examines gender roles and development in a historical context from a variety of theoretical and disciplinary perspectives and within a variety of frameworks: political, economic, cultural, religious, and social. WI Credits: 3

WST 3309 - Independent Study.

(Arr.-Arr.-1-3) On Demand. Intensive examination of the roles, contributions, perspectives, and/or experiences of women as designed by the student. **Prerequisites & Notes:** Satisfactory completion of nine semester hours in Women's Studies courses; permission of the Women's Studies Minor Coordinator. Credits: 1 to 3

WST 4000 - Special Topics.

(Arr.-Arr.-1-3) On Demand. Special topics related to Women's Studies which are not ordinarily treated in standard courses. Topics to be announced. **Prerequisites & Notes:** Permission of the Women's Studies Minor Coordinator and the faculty member teaching the course. May be taken twice with permission. Credits: 1 to 3

WST 4275 - Internship.

(Arr.-Arr.-1-12) On Demand. (Credit/No Credit) On-the-job experience in a firm or organization that focuses on women's issues and/or experiences. An internship must be approved by the Women's Studies Minor Coordinator. A maximum of three credit hours may be counted in the Women's Studies Minor. **Prerequisites & Notes:** Permission of the Women's Studies Minor Coordinator, acceptance of student by firm or organization, and satisfactory completion of nine or more semester hours credit in Women's Studies courses. Credits: 1 to 12

WST 4309 - Feminist Theory.

(3-0-3) S. This course examines feminist theory and its application to cultural and academic issues. It provides an interdisciplinary approach to women's issues. **Prerequisites & Notes:** Nine semester hours in Women's Studies or permission of the Women's Studies Minor Coordinator. Credits: 3

WST 4800 - Non-western Feminisms: Gender, Culture, and Nation.

(3-0-3) On Demand. In-depth study of major social concerns and theoretical issues raised in non-western feminist discourses by male and female writers from non-western countries. The course will explore the treatment of gender themes in relation to culture, class, race, and nationality. **Prerequisites & Notes:** Women's Studies 2309 or permission of the instructor or Coordinator of Women's Studies Program. Credits: 3

WST 4845 - Women and Gender in Modern Europe.

(3-0-3) S. Explores the political, social, and cultural history of women and gender relations in Europe from 1789 to the present. Cross-listed with HIS 4845. WI Credits: 3