Faculty and class members. Prerequisites: Consent of instructor.

320 Woodwind Literature and Pedagogy (3) Survey of solo and ensemble literature and pedagogical materials. Prerequisite: Consent of instructor.

350 Percussion Literature and Pedagogy (3) Survey of solo and ensemble literature and pedagogical materials. Prerequisite: Consent of instructor.

340-350 String Literature and Pedagogy I, II (3,3) Survey of string techniques, theory, research, and pedagogy. Topical presentations by the applied string faculty and guests. Development of the sixth family of instruments and voice. Study of string literature, performances, and performances; application of historical, analytical, and didactical procedures to performances. Prerequisite: Consent of instructor. Prerequisite: Consent of instructor.

470 Instrumental Conducting (0-1) Available in instrumental conducting, vocal conducting, and chamber music conducting. Prerequisites: Conductors and members of different styles in the conductor's art; musical analysis and practice in conducting. Prerequisite: Music 320 or equivalent.

MUSIC JAZZ (119)

119 Jazz Theory II (3) Fundamentals of the jazz language, including terminology, chord symbols, chord scales, and chord progressions, plus ear training. Prerequisites: Consent of instructor.

130 Analysis of Jazz Styles (3) Individual improvisatory styles through analysis of their transcriptional solos. Techniques used in graduate courses. Prerequisite: Consent of instructor.

140 Analytical Studies of Jazz (3) Historical language of jazz improvisation of Charcoal soloists, transcriptions of popular vocal, and analytical methods. Prerequisite: Consent of instructor.

140-150 Guitar I, II (3,3) Historical language of jazz improvisation of Charcoal soloists, transcriptions of popular vocal, and analytical methods. Prerequisite: Consent of instructor.

150-250 Advanced Improvisation (3,3) Development of individual improvisatory skills and solving individual problems. Prerequisite: Consent of instructor.

160-260 Violin I, II, III (3,3) May be repeated. Prerequisite: Consent of instructor.

170-270 Saxophone (1-4) May be repeated. Prerequisite: Consent of instructor.

176-276 Electric Bass (1-4) May be repeated. Prerequisite: Consent of instructor.

180-280 Bassoon (1-4) May be repeated. Prerequisite: Consent of instructor.

190-290 Clarinet (1-4) May be repeated. Prerequisite: Consent of instructor.

200-300 Flute (1-4) May be repeated. Prerequisite: Consent of instructor.

210-310 Baritone (1-4) May be repeated. Prerequisite: Consent of instructor.

220-320 Trumpet (1-4) May be repeated. Prerequisite: Consent of instructor.

230-330 Trombone (1-4) May be repeated. Prerequisite: Consent of instructor.

240-340 French Horn (1-4) May be repeated. Prerequisite: Consent of instructor.

250-350 Oboe (1-4) May be repeated. Prerequisite: Consent of instructor.

260-360 Violin (1-4) May be repeated. Prerequisite: Consent of instructor.

270-370 Cello (1-4) May be repeated. Prerequisite: Consent of instructor.

280-380 Double Bass (1-4) May be repeated. Prerequisite: Consent of instructor.

290-390 Harpsichord (1-4) May be repeated. Prerequisite: Consent of instructor.

300-400 Organ (1-4) May be repeated. Prerequisite: Consent of instructor.
140 Class Voice I (1) Development of basic vocal skills. May be repeated for credit. Maximum 2 hours.

120 Class Voice II (1) Prerequisite: Consent of instructor. May be repeated for credit. Maximum 2 hours.

NURSING (720)

301 Clinical Pharmacology (3) Biochemical and pharmacological effects of therapeutic drugs on the human body; positive and negative reactions to drugs and interaction effects between and among drugs. Prerequisites: Chemistry 100-10 and 6 semester hours of anatomy and physiology. Fall.

202 Health and Wellness (3) Development and application of health and wellness behaviors for the prevention of disease. Emphasis on the relationship of mind and body, the balance between work and leisure, and fitness. Prerequisites and is open to all UT Knoxville undergraduate students. Fall.

314 Wellness and Lifestyle (3) Models of wellness and holistic health within the framework of modern medicine, eastern philosophy, and lifestyle. Emphasis on the integration of body and mind, the importance of sleep, relaxation, and exercise in maintaining health. Prerequisites: 150 credits. Fall.

418 Family Nursing (4) Nursing care of families in well and ill health. Emphasis on maternal and child health. Prerequisite: Consent of instructor. Fall, Spr.

433 Health Deviation Concepts II (4) Content related to the nursing process as applied to patients with physiological and behavioral deviations associated with illness. Prerequisites: 306 or consent of instructor. Fall.

313 Introduction to Nursing Research (3) Language of research, types of research designs, methodologies and significance of findings. Evaluation of existing research and significance of research studies. Prerequisites: 301 or 306 of consent of instructor. Sp.

312 Wellness and Lifestyle (3) Models of wellness and holistic health within the framework of modern medicine, eastern philosophy, and lifestyle. Emphasis on the integration of mind and body, the balance between work and leisure, and fitness. Prerequisites: 150 credits. Fall.

202 Health and Wellness (3) Development and application of health and wellness behaviors for the prevention of disease. Emphasis on the relationship of mind and body, the balance between work and leisure, and fitness. Prerequisites and is open to all UT Knoxville undergraduate students. Fall.

314 Wellness and Lifestyle (3) Models of wellness and holistic health within the framework of modern medicine, eastern philosophy, and lifestyle. Emphasis on the integration of body and mind, the importance of sleep, relaxation, and exercise in maintaining health. Prerequisites: 150 credits. Fall.

418 Family Nursing (4) Nursing care of families in well and ill health. Emphasis on maternal and child health. Prerequisite: Consent of instructor. Fall, Spr.

306 Health Deviation Concepts I (4) Content related to the nursing process as applied to patients with physiological and behavioral deviations associated with illness. Prerequisites: 306 or consent of instructor. Fall.

304 Nursing Assessment and Wellness Promotion (4) Development of psychosocial/cultural, environmental, and lifestyle behaviors that have an impact on health and wellness. Prerequisites: 150 credits and 301, 302, 304, 305, and 313. Fall, Spr.

305 Professional Nursing Seminar I (2) Critical examination of the literature on the practice of nursing. Prerequisite: 150 credits. Fall, Spr.

306 Health Deviation Concepts I (4) Content related to the nursing process as applied to patients with physiological and behavioral deviations associated with illness. Prerequisites: 306 or consent of instructor. Fall.
414 Community Mental Health Nursing (4) Lectures, 2 lab. Prereq: All required 300 level nursing courses. Opportunities for student to apply the nursing process to clients and groups in a variety of acute, extended care, and community settings. Emphasis on understanding and interpreting landform, landscape materials, and plant design. Prereq: 300 or consent of instructor. 2 hours and 1 lab. Sp

280 Field Experience: Nutrition (3) Practicum experience in selected social services and community nutrition agencies. Prereq: 300 or consent of instructor. 3 hours and 1 lab. Sp

281 Field Experience: Nutrition (3) Practicum experience in selected social services and community nutrition agencies. Prereq: 300 or consent of instructor. 3 hours and 1 lab. Sp

282 Field Experience: Nutrition (3) Practicum experience in selected social services and community nutrition agencies. Prereq: 300 or consent of instructor. 3 hours and 1 lab. Sp

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286 Field Experience: Nutrition (3) Practicum experience in selected social services and community nutrition agencies. Prereq: 300 or consent of instructor. 3 hours and 1 lab. Sp

287 Field Experience: Nutrition (3) Practicum experience in selected social services and community nutrition agencies. Prereq: 300 or consent of instructor. 3 hours and 1 lab. Sp
PHILOSOPHY (745)

110 The Human Condition: Values and Reality (3) The meaning of life, the notion of God, freedom of the will, human nature and values. Writing-emphasis course.

120 Foundation of Western Thought: Antiquity through 1000 (3) Plato, Aristotle, Lucretius and the Epicureans. May be taken before 110. Writing-emphasis course.

121 Foundation of Western Thought: 1000 through 1700 (3) The development of humanist thought, the Renaissance and the Enlightenment. May be taken before 110. Writing-emphasis course.

122 Advanced Landscape Design (3) Comprehensive applications in landscape design to include residential, commercial, institutional, parks, educational, governmental and institutional areas. Prerequisite: Landscape Design 229. This course is designed for LANDCADD software. Prereq: Agric. 200, F, S.

123 Seminar (1) Current problems in ornamental horticulture and landscape design. Prereq: Senior standing. Writing-emphasis course.

124 Off-Campus Internship (1-3) Work experience in approved ornamental horticulture or landscape industry. May be repeated. Maximum of 6 credits. E

125 Critical Thinking (3) An introduction to analytical thinking, and consideration of the role of critical thinking in the development of personal and professional rationality. May be repeated before 110. Writing-emphasis course.

126 Foundation of Western Thought: Antiquity through 1000 (3) Plato, Aristotle, Lucretius and the Epicureans. May be taken before 110. Writing-emphasis course.

127 Critical Thinking (3) An introduction to analytical thinking, and consideration of the role of critical thinking in the development of personal and professional rationality. May be repeated before 110. Writing-emphasis course.

128 Foundations of Western Thought: 1000 through 1700 (3) The development of humanist thought, the Renaissance and the Enlightenment. May be taken before 110. Writing-emphasis course.

129 Ethics (3) Theories of ethical values. Writing-emphasis course.

130 Special Topics (3) May be repeated. Maximum of 6 credits. E

131 Mathematical Philosophy (3) Development of mathematical philosophy from ancient times to modern day. (Same as Religious Studies 352) Writing-emphasis course.

132 Seventeenth- and Eighteenth-Century Philosophy (3) Writing-emphasis course.

133 Nineteenth- and Twentieth-Century Philosophy (3) Writing-emphasis course.

134 Business Ethics (3) Ethical problems as they confront both business and a national defense. Writing-emphasis course.

135 Psychological Philosophy (3) Basic psychological theories and their implications for social and political thought. May be repeated. Maximum of 6 hours.

136 Environmental Ethics (3) Issues concerning the nature of the environment and the place of humanity within it.

137 War and Morality (3) Historical justification for war (justa Belli). Legal and moral constraints in war (justa Bello). Writing-emphasis course.

138 Aesthetics (3) Philosophy of art (the nature of beauty, the function of art). Writing-emphasis course.

139 Philosophy and Literature (3) Nature of literature, philosophical assumptions in literary works. Writing-emphasis course.

140 Philosophy of Religion (3) Analysis of various theories and their implications for the nature of the nature of religion. (Same as Religious Studies 370)

141 Philosophy and Religion of India (3) (Same as Religious Studies 374)

142 Modern Religious Philosophies (3) The nature of woman as it has been conceived by major western philosophers from Plato to Simone de Beauvoir. (Same as Women's Studies 380) Writing-emphasis course.

143 Philosophy of Science (3) Analysis of various theories and their implications for scientific method and its relation to other disciplines. May be repeated. Maximum of 6 credits.

144 Environmental Ethics (3) Issues concerning the nature of the environment and the place of humanity within it.

145 Social and Political Philosophy (3) Basic problems and concepts of social and political philosophy. Writing-emphasis course.

146 Contemporary Ethical Theory (3) Topics in meta-ethics or ethics. Writing-emphasis course.

PHYSICAL EDUCATION ACTIVITY PROGRAM (764)

206 Bowling (1)

211 Golf (3)

213 Ice Skating (1) Satisfactory/No Credit grading only.

215 Physical Fitness: Exercise to Music (1)

220 Exercise and Weight Control (3)

221 Physical Fitness: Jogging (3)

222 Physical Fitness: Swimming (3)

223 Physical Fitness: Walking (1)

224 Soccer (1)

225 Social Dance (1)

226 Softball (1)

230 Track and Field (1)

231 Physical Fitness: Exercise to Music (1)

232 Racquetball (1)

233 Racquetball (1)

234 Swimming I (1)

235 Intermediate Swimming I (1)

236 Emergency Water Safety I (1)

237 Intermediate Swimming II (1)

238 Advanced Swimming (1)

239 Aquatics (1)

240 Advanced Swimming (1)

241 Aquatics (1)

242 Sunbath (1)

243 Advanced Swimming II (1)

244 Physical Fitness: Exercise to Music (1)

245 Physical Fitness: Exercise to Music (1)

246 Physical Fitness: Exercise to Music (1)

247 Physical Fitness: Exercise to Music (1)

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346 Physical Fitness: Exercise to Music (1)
PHYSICS (773)

191-102 How Things Work (3.0)

For students with majors outside science. Examine typical objects of everyday experience, and study the physics principles that make them work. No prerequisites.

138-138 Introduction to Physics for Physical Sciences and Mathematics Majors (4.0) A four-credit introductory course; fundamentals of mechanics, heat, light, electricity, magnetism, and modern physics. Prerequisites: Mathematics 141-142. 3 hours lecture, 2 hours laboratory.

127-128 University Honors Fundamentals of Physics for Physical Majors (5.0) Phys for physics and engineering physics majors. This course is also offered from other rubrics. Coreq: Mathematics 141-142.

161 Elements of Physics for Architects and Interior Design Students (5) Chosen topics in physics for architects and interior design students. Course emphasis: materials, design, technology, and aesthetic principles. Prerequisites: sophomore standing, acceptable grades in sophomore year of geometry.

221-222 Elements of Physics (4.0) Basic principles and applications required in preprofessional, professional, and graduate programs in engineering, architecture, and interior design. Coreqs: Mechanics, Heat, wave motion, ellipsoids, 3-D electricity and magnetism, modern physics. Must be taken in Calculus. 3 hours lecture. 3 hours laboratory. Prereq: Mathematics 100 or Calculus.

231 Fundamentals of Physics: Electric and Magnetic Fields (4.0) Electric and magnetic fields, the laws of derived quantities and the mathematics for their manipulation. 3 hours lecture, 3 hours laboratory.


260 Fundamentals of Physics: Modern Physics (Modern Physics) Special topics: fundamentals of quantum mechanics, relativity, nuclear physics, solid state physics, and condensed matter physics. Prereq: 126 or consent of instructor. 3 hours lecture, 3 hours laboratory.

292-293 Mechanics (2.5) 311—KINEMATICS and dynamics of single particles, rotational motion, rigid body dynamics, Lagrangian and Hamiltonian mechanics. Strong emphasis on solutions to problems. Prereq: 311-1-312 or prerequisites. Must be taken in sequence. Prereq: Physics 131-1 or Calculus 100. Coreq: For 211-2, Math 121.

321 Thermal Physics (3) Concepts of temperature and heat; the first and second laws of thermodynamics; applications to physical and chemical problems. Prereq: 110 or 130 or 231. 3 hours lecture.

341 Introduction to Nuclear Physics (4) Introduction to the theoretical nuclear physics with emphasis on applications to fusion, fission, and nuclear engineering majors. Prereq: 110 or 130.


53 Elementary Linear and Nonlinear Optics, Optical devices and instrumentation in the infrared to optical regions, including elementary signal-processing techniques for information acquisition, optical signal processing, amplification of optical signals, and analog-to-digital conversion, use of standard laboratory instrumentation, and applications of inorganic, organic, and biological materials. Prereq: 240. 3 hours lecture and 3 hours laboratory.

41 Survey of Nuclear Physics (2) Review of nuclear theory, particulate nature of matter, and the laws of the nucleus. Prereq: 240. 3 hours and 1 lab.

46 Research and Independent Study (1-3) Research or independent study for Physics Majors. Consent of instructor and required minimum hours. 1-3 hours and 1 lab.

PLANNING (782)

The City in the United States (3) An introduction to the development and growth of the United States cities. Contemporary issues, problems, and policies of urban development are examined. Prereq: Economics 110 or equivalent.

490 Survey of Planning (2) History of city development and city planning; city planning in special attention to the United States experience in urban and suburban planning. State of the art, the process, the comprehensive plan, implementation devices. Planning Institute nation membership for credit for M. B. P. degree. (Same as Urban Studies 490.)

440 Housing (Nature and design for housing in U.S. and U.S. experience, including codes for residential occupancy. Prereq: 240. 3 hours lecture and one 2-hour lab. 3 hours and 1 lab.

29 Soil Morphology (1) Intensive course in involving describing, classifying, and interpreting soils in preparation for regional and national soil judging contests. Prereq: Consent of instructor. May be repeated. Maximum 4 hours. 1 hour and 1 lab. F, Sp.

29 Soil Nutrition and Management of Fertilizers (3) Importance of soil properties on nutrient availability to plants. Management of organic and inorganic fertilizers and their interactions with the soil. Both laboratory and field work is required. Prereq: 210 and Chemistry 130 or equivalent. 3 hours lecture and 3 hours lab.

64 Field and Water Conservation (3) Hydrologic, hydrogeologic, and engineering principles applied to resource management problems involving water supply, demand, storage, and use in agriculture, industry, and urban areas. Prereq: 210. 3 hours lecture and 1 lab.

31 Biodiversity, Geomorphology and Plant Evolution (3) Basic understanding of principles of biodiversity, evolutionary change, and plant and animal phylogeny. Prereq: 210. 3 hours lecture and 1 lab.

31 Soil Conservation and Plant Evolution (3) Basic understanding of principles of biodiversity, evolutionary change, and plant and animal phylogeny. Prereq: 210. 3 hours lecture and 1 lab.
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Introduction to Political Philosophy (3)  A study of the differing conceptions of human nature, politics, the state, civic obligation and rights, freedom, justice, and democracy.

Political Science (801)  101 United States Government and Politics (3) Introduction to the formal institutions and traditions of American National Politics including the Constitution, voting, political parties, elections, and the political culture. (S/NC only.)  102 Introduction to Political Science (3) Introduction to policies and political problems.

POLITICAL SCIENCE

311 Contemporary Issues in American Public Policy (3) Selected public policy issues confronting the nation including the background, development, and evolution of present policies, and options for the future. Writing emphasis course.

312 Populism Culture and American Politics (3) The influence of culture on the political and government policies of the United States and the ways that communities define themselves as Americans (Studios 312 and Civic Studies 312).  313 American Government and Politics (2) Major institutions in American Government and politics.

320 State Government and Politics (3) Institutions, processes, and government in the 50 states. Generalizations and comparisons, with emphasis on federalism and intergovernmental relations.

321 Urban Politics and Policy (3) Development of politics and policy-making in the Modern American City (Same as Urban Studies 221.)

322 Law in American Society (3) Legal sources and functions through which social problems are addressed, problems in the United States, examples of international law, and administrative regulation. Westlaw-emphasis course.

330 Law in American Society (3) Law as a process through which social problems are addressed. Examples from case law, legislation, and administrative regulation. Writing-emphasis course.

340 Introduction to Public Administration and Public Policy (3) Public agencies, their organization, personnel, financial management and administrative responsibilities, the policy-making process, political environments.

355 Latin American Government and Politics (3) Introduction to contemporary conditions in Latin America. (Same as Latin American Studies 355.) Writing-emphasis course.

361 Politics in Western Democracies (3) Political culture patterns and institutions of Western democratic systems. Writing-emphasis course.

374 American Political Thought (3) Major themes and ideas in the development of American political thought from 1776 to the present. Writing-emphasis course.

376-378 Honors Senior Seminar (3,3) Required of Honors Majors, admission with consent of department.

387 Physical Analysis (3) An examination of choice among different social structures, the economic system of the society, and the operation of the political system. Writing-emphasis course.

410 Social Policy (3) An introduction to the concepts, underlying questions and significant themes existing throughout society. Specific attention is given to the changing conceptions of human nature, the role of the state, civic obligations and rights, freedom, justice, and democracy.

411 Budgetary Process and Fiscal Management (3) Fiscal policies and budget expenditure processes in government, their policy, and administrative implications.

421 Political Parties and Interest Groups (3) Analysis of political parties, interest groups, and campaign organizations.

422 Political Issues and Behavior (3) Systematic examination of political behavior, public opinion and political phenomena. Stages in American Political Behavior.

423 Political Parties and Interest Groups (3) Analysis of political behavior, public opinion and political phenomena. Stages in American Political Behavior.

430 Law in American Society (3) Law as a process through which social problems are addressed. Examples from case law, legislation, and administrative regulation. Writing-emphasis course.

431 United States Constitutional Law: Civil Rights and Liberties (3) Current issues in civil rights and liberties including: first amendment freedoms, equal protection, privacy and the rights of the accused. Writing emphasis course.

432 Bioclimatology (3) Solar energy budget, interactions of the atmospheric, oceanic, and biological systems, characteristics of ecosystems, problems of productivity, and climate change and their effects on biological systems. Prerequisite: One year of physical or biological science, junior standing. 3 hours: F-A.

433 Agricultural Production (3) Preparation of the soil, development of plant varieties, protection and post-harvest treatment of crops. Prerequisite: 230 or 330. 2 hours and 1 lab: Sp.

434 Fruit and Vegetable Crops (3) Principles of production systems, crop exchanges, and grading. Principles of production systems, crop exchanges, and grading. Spring semester. 2 lecture hours and 2 lab hours. F.

435 Field and Forage Crops (3) Agronomic principles of crop production and management. Crop improvement, crop management systems, tillage, fertilization, pest management, and utilization of major field and forage crops. Prerequisite: 230 or 230. 2 hours and 1 lab: Sp.

439 Introduction to Scientific Research (3) An introduction to scientific writing and the scientific method. 3 lecture hours: F.

461 Policy Making in Democracies (3) Comparative approach to theory and practice of making public policies. Writing emphasis course.
301-303 Literature, Culture & Civilization of the Por- tuguese-Speaking World (3) A course for students who have completed the intermediate sequence in Portuguese and wish to enhance their knowledge of language and culture through the medium of literature. Taught in Portuguese. Prereq: 210, 212, or the equiv- alent.

309 Intermediate Conversation & Composition (3) Designed to improve students' oral and written communication in Portuguese. Prereq: 212, 230 or equivalent.

310-315 Aspects of Latin-American Literature (3) Latin-American literature from the earliest times to the present. Prereq: 210 or one year of college-level coursework in Latin American literature. Prereq: 210 or the equivalent.

318 Portuguese for Students of Another Romance Language (3) A second-semester course for beginning students of Portuguese with a strong background in another Romance language. Introduction to grammar, reading, and conversation skills of the Portuguese language. Prereq: 210 or the equivalent.

320 Advanced Conversation & Composition (3) An informal and directed conversation on contemporary topics (business, politics, economics, religion, on cul- ture) and formal writing practice at an advanced level. Prereq: 309 or the equivalent.

342-432 Topics in the Literature & Language of the Portuguese-speaking World (3) Course is concerned with various aspects of Portuguese language and culture from the point of view of Portuguese speakers. Topics may vary. May be repeated. Maximum 12 hours. Prereq: At least one course at the 300 level or the equivalent. (Same as Latin-American Studies 342-432.)

360 Internship (1-18) Career-related experience in the United States or abroad with permission of the Lang- uage and World Business Director. For language and World Business majors only. S/JC only.

401 Foreign Study (1-15)

402 Independent Study (1-18)

PSYCHOEDUCATIONAL STUDIES (825)

210 Psychosocial development in human develop- ment (3) An introduction to the study of human development through a focus on educational settings. Emphasis on processes, outcomes, and factors that influence human development. Prereq: 110 or 300 or the equivalent.

240 Special Topics (3) Instructor-initiated course designed to enhance students' understanding of specific topics in the field of psychology. Topics may vary. May be repeated. Maximum 6 hours. Prereq: Consent of instructor.

280 Applications (3) Applications of self-management strategies to career, social, emotional and health domains for both helping professionals and their clientele. Prereq: Introductory course in psychology or permission of instructor. See bulletin for offerings.

293 Independent Study (1-18) Independent investiga- tion or study of one or more topics. May be repeated. Maximum 15 credit hours.


350 Child Psychology (3) The normal child from con-ception through infancy, childhood, and adolescence. Prereq: 110. F, Sp

351 Learning and Thinking (3) Survey of theory and research concerning both human and animal learn- ing. Prereq: 310. F, Sp

352 Motivation (3) Survey of theories and related research; discussion of applications. Prereq: 110. F, Sp

353 Abnormal Psychology (3) Historical, individual and cultural variation in mental disorders and their treatment. Prereq: 110. F, Sp

356 Ethology and Sociobiology (3) (Same as Biology 356) Prereq: 110.

358 Contemporary Topics in Psychology (3) Current issues or problem, such as industrial psychology, use of technology, legal, social, and environmental issues. Different topic each semester. Prereq: 110 and upper division standing. May be repeated. Maximum 15 hours may be applied toward major. May be re-peated.


365 Psychological Perspectives (3) Psychological perspectives of human development, well-being, and human personality and their development. Prereq: 110 and Junior standing (60 semester hours) or consent of instructor. F, Sp

385 Statistics in Psychology (3) Descriptive statistics; parametric and nonparametric tests. Not open to stu- dents with credit in Math 115 or Statistics 201.

400 Cognitive Psychology: Language and Symbolic Processes (3) Psychology of knowing, explaining, and creating, and its role in understanding develop- ment, self, and society. Prereq: Junior standing and a course in psychology.

406 Group Facilitation (3) Study of theory and tech- niques used in group facilitation, with emphasis on small group situations. Prereq: 110. F, Sp

410 Sensory Processes and Perception (3) Physio- logical basis of sensation and perception. Prereq: 110 and Junior standing (60 semester hours) or consent of instructor. May be repeated. Maximum 6 credit hours may be applied toward major.

420 History and SystemsofPsychology(3) History of psychology. Prereq: 110 and Junior standing. F, Sp

470 Theories of Personality (3) Major theories of human personality and their development. Prereq: 110 and Junior standing (60 semester hours) or consent of instructor. F, Sp

475 Adolescent Development (3) Theoretical per- spectives and empirical research findings concerning adolescent development. Prereq: Junior standing (60 semester hours) or consent of instructor.

480 Topics in Psychology (3) Current issues or topics, such as cognitive psychology, human development, social psychology, or learning. Different topic each semester. Prereq: 110.

485 Methods of Research in Psychology (3) Funda- ments in the design, conduct, and interpretation of research, including statistical analysis, experimental design, and results and discussion. Prereq: 110 and Junior standing. May be repeated.

490 Directed Research (3) Supervised research in psychology, with a written report on the research project. Prereq: Junior standing (60 semester hours). May be repeated. Maximum 6 hours may be applied toward major. May be repeated.

491 Writing Practicum (3) Survey of topic and methods of writing the research paper. Prereq: 490 or 493. May be repeated. Maximum 6 hours may be applied toward major. May be repeated.

492 Off-Campus Study (1-15) Prereq: Junior standing (60 semester hours) or consent of instructor. Prereq: Any combination of 6 hours of Math 115, Math 385 or Statistics 201 may be used as electives. May be repeated. Maximum 15 hours may be applied toward major. May be repeated.

493 Independent Study (1-15) Prereq: Junior standing (60 semester hours) or consent of instructor. Any combination of 399, 489, 491, or 492 may be used as electives. May be repeated. Maximum 15 hours may be applied toward major. May be repeated.

499 Senior Seminar: Special Topics in Psychology (3) (Same as Psychology 399) Prereq: 399 or equivalent. May be repeated.

499 Senior Seminar in Social Psychology (3) (Same as Psychology 399) Prereq: 399 or equivalent. May be repeated.

499 Senior Seminar in Developmental Psychology (3) (Same as Psychology 399) Prereq: 399 or equivalent. May be repeated.
Each hour of credit requires 40 clock hours of work. For recreation majors only. S/NC only. Prereq: 290 and permission of instructor. E

Practicum in Recreation and Tourism Management (2-3) Supervised practice in approved agencies offering leisure and sport management opportunities. Full-time practice in approved leisure or sport management agencies. Emphasis on supervisory and leadership roles including management of commercial facilities and services. Offered in leisure market, factors influencing participation, management considerations, and research in commercial recreation and tourism. Prereq: 110, 310, junior standing or consent of instructor. Sp, Su

Leisure Program Development and Evaluation (3) Essential elements and basic principles involved in organization, administration, marketing, evaluation of various types of recreation programs with emphasis on methods of program evaluation. Prereq: 330 and consent of instructor. F, Sp

Therapeutic Recreation and Special Populations (3) Principles, concepts, historical development of therapeutic recreation, therapeutic recreation organizations, and services for people with disabilities. Emphasis on creatively meeting the needs of special populations. Prerequisites: Recreation/Adventure Education 416 and consent of instructor. Sp

Practicum in Recreation and Tourism Management (2-3) Supervised practice in approved agencies offering leisure and sport management opportunities. Full-time practice in approved leisure or sport management agencies. Emphasis on supervisory and leadership roles including management of commercial facilities and services. Offered in leisure market, factors influencing participation, management considerations, and research in commercial recreation and tourism. Prereq: 110, 310, junior standing or consent of instructor. Sp, Su

Organization and Administration of Leisure and Tourism Enterprises (3) Principles, terminology, organization, and administration of commercial organizations and services involved in leisure and tourism. Prereq: 310 or consent of instructor. F, Su

Therapeutic Recreation Program Planning (3) Principles and practices of therapeutic recreation program planning. Emphasis on unique needs of people with disabilities and those with special needs. Focus is on the social, interpersonal, and behavioral aspects of work with these clients. Prereq: 270 or consent of instructor. F

Introduction to the Psychology and Education of the Hearing Impaired (3) Introduction to the psychology and education of the hearing impaired. Explores the psychological and educational impact of hearing loss. Prereq: consent of instructor. F

American Sign Language II (3) Expressive and receptive skill development in sign communication. Videotext and interactive teaching methods used. Total communication conducted in sign. Must be taken in sequence. Prereq: 226 or consent of instructor. F

American Sign Language III and IV (3, 3) Advanced sign language courses designed to further develop advanced receptive and expressive sign communication skills. Prerequisites: American Sign Language II and III. Prereq: consent of instructor. F, Sp

Directed Independent Study (1-3) Individual study of selected topics. Prereq: Consent of instructor. May be repeated. Maximum 6 hours. E

Public Relations (841)

Public Relations Communication Strategies (3) Development of press releases and interviews for public relations and/or journalism. Prereq: consent of instructor. F


Public Relations: Theory and Practice (3) Principles and practice of public relations. Emphasis on supervisory and leadership roles including management of commercial facilities and services. Offered in leisure market, factors influencing participation, management considerations, and research in commercial recreation and tourism. Prereq: 110, 310, junior standing or consent of instructor. Sp, Su

Public Relations Prerequisites (3) Theories and principles of public relations. Overview of public relations in management of business, government, institutions, and organizations. Brief history of public relations. Prereq: Consent of studies. E

Public Relations in Journalism and Public Relations (3) Principles, terminology, organization, and administration of commercial organizations and services involved in leisure and tourism. Prereq: 310 or consent of instructor. F, Su

Religious Studies (863)

World Religions in History (3) Introduction to religion in world history, including examination of religious beliefs and practices in the East, West, and Middle East. May be repeated. Maximum 6 hours. E

Directed Independent Study (1-3) Individual study of selected topics. Prereq: Consent of instructor. May be repeated. Maximum 6 hours. S

Religion and Culture (3) Religious beliefs and practices in the East, West, and Middle East. May be repeated. Maximum 6 hours. E

Religion and Society (3) Basic concepts of religious experience and the impact of religious beliefs and practices on society. Prereq: Consent of instructor. E
291 Courses of Instruction

292 Cultural Diversity in the Workplace (3) Economic, social, cultural, and personal bases of cultural diversity in the workplace. Coreq: Math 115 or equivalent.

301 Family and Consumer Behavior (3) Interdisciplinary study of family decision making and consumer behavior. Considers family life cycle, family dynamics, social and cultural influences, and individual and family decision-making processes.

302 Population in History (3) Structure of human societies; analysis of lifestyle changes in selected periods of world culture; factors associated with origin, spread, and abandonment.

303 Consumer Behavior (3) Consumer and family decision making in the domestic and international marketplace; motivation factors; personal, psychological, and situational determinants of consumer behavior. Coreq: Math 115 or equivalent.

305 Professional Development (3) Counseling, communication, and management techniques for effective and ethical performance in the workplace. Coreq: Math 115 or equivalent.

306 Financial Management (3) Principles, techniques, and planning for personal and professional financial goals. Coreq: Math 115 or equivalent.

310 Retail Management (3) Retail management techniques and strategic perspectives for analyzing retail environments and developing an effective retail strategy. Prereq: Math 115 or equivalent.

311 Directed Study (1-3) Individual problems for junior and senior students with special interest in retail and consumer sciences. Prereq: Consent of instructor.

312 Retail Selling (3) General principles of selling goods to the retail market; analysis of consumer needs and wants; development of retail sales techniques; use of various media types as tools for attracting and retaining shoppers.

315 Retail Promotion (3) Advertising and special promotion programs; development of competitive retail promotion activities.

320 Professional Retail Environments (3) The study of retail environments and the analysis of retailing in an international and global context. Considers retail environments in both international environments - economic, cultural, economic, social, political, and legal - and in domestic environments.

321 Cultural Diversity in the Marketplace (3) Survey of cultural diversity in the domestic marketplace. Implications for retail management and the delivery of goods and services to a multiplicity of consumer groups. Prereq: Junior standing.

345 Fashion in History (3) Structure of the fashion industry; relation of lifestyles to apparel styles in selected periods of western civilization; factors associated with the origin, adoption, and abandonment of various styles. Prereq: Math 115 or equivalent.

350 Consumers' Choice (3) Micro and macroeconomic approach to consumer choice across the life span; consumer behavior; consumer decision making; market structure and the impact on consumer economics; information, implica-

351 E-commerce of Consumer Sciences (3) Principles of e-commerce, consumer decision making, and consumer behavior in the 21st century; online shopping and marketing; use of various media types as tools for attracting and retaining shoppers.

401 Advanced Grammar, Conversation, and Composition (3,3) Practice in writing and speaking; grammar review and vocabulary building. Prereq: Completion of 312.

402 Advanced Grammar, Conversation, and Composition (3,3) Practice in writing and speaking; grammar review and vocabulary building. Prereq: Completion of 312.

405 Russian Film (3) A study of Russian cinema from its earliest days to the present. Writing-emphasis course. (Same as Cinema Studies 325.)

421 International Retail Environments (3) The study and analysis of retailing in an international and global context. Retail processes, practices, and issues within international environments - cultural, economic, social, political, and legal - and in domestic environments.

422 Introduction to Historical and Comparative Linguistics (3) Same as German 426, French 426, Spanish 426, and Linguistics 426.

425 Introduction to Descriptive Linguistics (3) Same as German 425, French 425, Spanish 425, and Linguistics 425.

431 Foreign Study (1-15) Prereq: Consent of instructor.

432 Independent Study (1-15) Prereq: Consent of instructor.
**SPEECH COMMUNICATION (943)**

1. Introduction to Speech Communication (3)
   - Fundamentals and practices with particular reference to interpersonal, intergroup, organizational, and public communication.


3. Public Speaking (3)
   - Propagation and delivery of informative and persuasive speeches. Topics include research, organization, adapting to an audience, topic selection, revising, and evaluating the discourse of the listener.

4. Business and Professional Communication (3)
   - Basic principles of communication with organizations and groups. Includes research, organizing, planning, and delivering informative speeches. Topics include training, group problems solving, case histories, and formal presentations.

5. Communication Theory and Practice (3)
   - Focus on theoretical and practical listening skills.

6. Communication and Society (3)
   - Study of communication strategies and public opinion, with emphasis on communication media, politics, film, radio, and television.

7. Argumentation and Debate (3)
   - Rejected decisions thinking with emphasis on analysis, evaluation, reasoning, and delivering arguments.

8. Introduction to Oral Interpretation (3)
   - Art of reading about, developing of interpretative skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

9. Broadcast Communication (3)
   - Analysis of broadcast communication with emphasis on oral interpretation skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

10. Persuasion (3)
    - Methods which contribute to the effective and effective persuasion, and include credibility, message construction, receiver variables.

11. Interpersonal Communication Processes (3)
    - Social dynamics of interpersonal communication and their role in effective communication. Content of instruction, (same as Sociology 220).

12. Group Communication (3)
    - Small group decision-making, interaction, leadership, and roles, as they affect critical thinking in groups.

13. Communication Research Methods (3)
    - Survey of contemporary methods used for research in Speech Communication. Emphasis on designing and evaluating research on spoken language.

14. Communication Theory (3)
    - Survey of social science approach to researching about communication. (Same as Philosophy 151).

15. Communication Law (3)
    - Survey of social science approach to researching about communication. (Same as Philosophy 151).

16. Communication and Conflict (3)
    - Communication law and practice in health care settings. Topics include specific legal concerns, legal and clinical setting, and those variables of the communication process that affect the quality of human interaction both within and outside the organization.

17. Interpersonal Communication (3)
    - Personal and professional communication processes, patterns, and problems. Prereq: Communication 250.

18. Organization Communication (3)
    - Organizational setting and those variables of the communication processes that affect the quality of human interaction both within and outside the organization.

19. Communication for Business (3)
    - Communication in the business world. Topics include face-to-face communication, origin, and research, usage and coding of nonverbal communication, and their application to selected passages of prose, poetry, and drama.

20. Business Communication (3)
    - Preparation and delivery of informative and persuasive speeches. Topics include research, organization, adapting to an audience, topic selection, revising, and evaluating the discourse of the listener.

21. Communication and Society (3)
    - Study of communication strategies and public opinion, with emphasis on communication media, politics, film, radio, and television.

22. Argumentation and Debate (3)
    - Rejected decisions thinking with emphasis on analysis, evaluation, reasoning, and delivering arguments.

23. Introduction to Oral Interpretation (3)
    - Art of reading about, developing of interpretative skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

24. Broadcast Communication (3)
    - Analysis of broadcast communication with emphasis on oral interpretation skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

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    - Methods which contribute to the effective and effective persuasion, and include credibility, message construction, receiver variables.

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    - Social dynamics of interpersonal communication and their role in effective communication. Content of instruction, (same as Sociology 220).

27. Group Communication (3)
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    - Survey of contemporary methods used for research in Speech Communication. Emphasis on designing and evaluating research on spoken language.

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    - Preparation and delivery of informative and persuasive speeches. Topics include research, organization, adapting to an audience, topic selection, revising, and evaluating the discourse of the listener.

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    - Rejected decisions thinking with emphasis on analysis, evaluation, reasoning, and delivering arguments.

37. Introduction to Oral Interpretation (3)
    - Art of reading about, developing of interpretative skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

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    - Analysis of broadcast communication with emphasis on oral interpretation skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

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    - Methods which contribute to the effective and effective persuasion, and include credibility, message construction, receiver variables.

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    - Social dynamics of interpersonal communication and their role in effective communication. Content of instruction, (same as Sociology 220).

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    - Small group decision-making, interaction, leadership, and roles, as they affect critical thinking in groups.

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    - Organizational setting and those variables of the communication processes that affect the quality of human interaction both within and outside the organization.

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    - Communication in the business world. Topics include face-to-face communication, origin, and research, usage and coding of nonverbal communication, and their application to selected passages of prose, poetry, and drama.

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    - Rejected decisions thinking with emphasis on analysis, evaluation, reasoning, and delivering arguments.

51. Introduction to Oral Interpretation (3)
    - Art of reading about, developing of interpretative skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

52. Broadcast Communication (3)
    - Analysis of broadcast communication with emphasis on oral interpretation skills, and their application to selected passages of prose, poetry, and drama. Writing emphasis course.

53. Persuasion (3)
    - Methods which contribute to the effective and effective persuasion, and include credibility, message construction, receiver variables.

54. Interpersonal Communication Processes (3)
    - Social dynamics of interpersonal communication and their role in effective communication. Content of instruction, (same as Sociology 220).

55. Group Communication (3)
    - Small group decision-making, interaction, leadership, and roles, as they affect critical thinking in groups.
**SPORT MANAGEMENT (957)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>FoundationsofSportManagement</td>
<td>An introduction to the scope of the sport enterprise including why business is involved in sport and an overall evaluation of sport management as a profession. Prerequisite: Sport Management 100 or Recreation/Leisure Studies 110. F, Sp.</td>
</tr>
<tr>
<td>290</td>
<td>Analyticaland Experimental Design</td>
<td>Design and analysis of single and multiple factor experiments, analysis of variance, and investigation of specified topic in probability or statistics culminating in a written report. Prerequisite: Two courses in statistics and permission of the Chairperson of the Statistics Department Undergraduate Affairs Committee. Letter grade or Satisfactory/Nocredit. May be repeated. Maximum 6 hours.</td>
</tr>
<tr>
<td>300</td>
<td>Sports Management: Theory to Practice</td>
<td>Coaches and athletic directors are involved in the sport enterprise. The sport manager is responsible for the day-to-day operation of the sport program, and must be able to manage both the athletic and the business side of the sport program. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>311</td>
<td>TheatreHistory11</td>
<td>Theatre, drama, literature, and film. Prerequisites: Introduction to Theatre. Understanding the theatre: history and literature of the theatre. Drama in performance with particular emphasis on major trends and movements from Antiquity to the Restoration. Prerequisite: History 111 or Theatre 111. F.</td>
</tr>
<tr>
<td>313</td>
<td>AmericanTheatre</td>
<td>Development of the theatre from Antiquity to the contemporary theatre. Emphasis on hands-on skills in labs. Writing-emphasis course. Prerequisite: 220. Writing-emphasis courses. Prerequisite to 221: Consent of instructor. Prerequisite: 221: Basic Acting techniques. 220-Basic Acting techniques. 221- Further exploration and development of the craft of acting. Attention to voice production, character development, and basic stage craft. Production participation required.</td>
</tr>
<tr>
<td>313A</td>
<td>AmericanTheatre (H)</td>
<td>Basic Acting techniques. 221-Further exploration and development of the craft of acting. Attention to voice production, character development, and basic stage craft. Production participation required.</td>
</tr>
<tr>
<td>315</td>
<td>CoachingFootball(1)</td>
<td>Theoretical and practical application of various coaching techniques in football for the prospective professional coach. Includes analysis and selection of appropriate game plans, specific conditioning and training programs, pregame organization, in-game adjustments, and team call and decisions. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>316</td>
<td>CoachingField/Court(1)</td>
<td>Theoretical and practical application of various coaching techniques in football for the prospective professional coach. Includes analysis and selection of appropriate game plans, specific conditioning and training programs, pregame organization, in-game adjustments, and team call and decisions. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>316A</td>
<td>CoachingField/Court (H)</td>
<td>Coaching Field/Court (H) - Further exploration and development of the craft of acting. Attention to voice production, character development, and basic stage craft. Production participation required.</td>
</tr>
<tr>
<td>317</td>
<td>CoachingFootballField/Court</td>
<td>Theoretical and practical application of various coaching techniques in football for the prospective professional coach. Includes analysis and selection of appropriate game plans, specific conditioning and training programs, pregame organization, in-game adjustments, and team call and decisions. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>318</td>
<td>CoachingField/CourtField/Court</td>
<td>Theoretical and practical application of various coaching techniques in football for the prospective professional coach. Includes analysis and selection of appropriate game plans, specific conditioning and training programs, pregame organization, in-game adjustments, and team call and decisions. Prerequisite: Consent of instructor.</td>
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<tr>
<td>318A</td>
<td>CoachingField/CourtField/Court (H)</td>
<td>Coaching Field/Court Field/Court (H) - Further exploration and development of the craft of acting. Attention to voice production, character development, and basic stage craft. Production participation required.</td>
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<td>319</td>
<td>CoachingField/CourtField/CourtField/Court</td>
<td>Theoretical and practical application of various coaching techniques in football for the prospective professional coach. Includes analysis and selection of appropriate game plans, specific conditioning and training programs, pregame organization, in-game adjustments, and team call and decisions. Prerequisite: Consent of instructor.</td>
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<td>CoachingField/CourtField/CourtField/Court (H)</td>
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</tr>
</tbody>
</table>
450 Advanced Scenery Technology I (3) Study and practice of scenic rigging for theatrical productions; production participation will be required. Prereq: 355; Gradu-ate credit available to theatre M.F.A. students only.

454 Scenery Painting (2) Introduction to scenic painting, techniques and principles of the craft. Emphasis on gaining skill and understanding through studio experi-ence. Prereq: Consent of instructor.

455 Intermediate Scene Design II (3) Materials, tech-niques and principles of scenic design. Requirements include understanding and mastering the craft.

456 Advanced Lighting Design (3) Advanced prob-lem solving in lighting design and scenery including pros on stage lighting design. Prereq: 355; or consent of instructor.

459 Center Assisted Design for Theatre (3) Advanced theatrical design, computer assisted design for theatre. Students will design and render their own sets to be used in the upcoming production. Prereq: 355; or permission of instructor.

460 Honors Foreign Study (1-15) Open to any undergraduate honors student. Proposals must be approved in advance. See the Director of University Honors for further information.

462 Advanced Lighting Design (3) Advanced prob-lems in lighting design and scenery including pros on stage lighting design. Prereq: 355; or consent of instructor.

467 International Theatre (3) Study of and performance of foreign works. Content varies. Languages skills required. Prerequisite: Theatre 320 and permission of instructor. May be repeated for a total of nine (9) hours.

468 Rendering (3) Techniques in monochrome and colored illustration. Surface and basic structure of scene painting is assumed.

469 Advanced Scenery Technology 111 (3) Study and practice of stage rigging for theatrical productions; production participation will be required. Prereq: 355; Gradu-ate credit available to theatre M.F.A. students only.

470-471 Playwriting (3,3) Advanced instruction in the writing of plays. Prereq: Consent of instructor.

472 Honors: Concentration in the Natural and Applied Sciences (3) Small group studies of selected topics, issues or problems with a concentration in the natural and applied sciences. Students will be involved in a group project. Prereq: Consent of instructor.

477 Honors: Concentration in the Social Sciences (3) Small group studies of selected topics, issues or problems with a concentration in the social sciences. Students will be involved in a group project. Prereq: Consent of instructor.

478 Senior Honors Seminar (1) Development and presentation of senior honors project. Limited to and required of all graduating students in the University Honors Program. Should be taken one semester prior to the semester of graduation. Satisfactory/No Credit grading only.

481 Applied Theatre: Costumes (2) Laboratory in costume design for departmental productions. Credit available to theatre majors only or with consent of department. Prereq: Consent of instructor.

482 Applied Theatre: Scenery (2) Laboratory in scenery for departmental productions. Credit available to theatre majors only or with consent of instructor. 90 hour of work required.

485 Applied Theatre: Management (2) Laboratory in management for departmental productions. Credit available to theatre majors only or with consent of department. 90 hour of work required.

486-487 Honors: Concentration in the Humanities (3,3) Small group studies of selected topics, issues or problems with a concentration in the humanities. Students may be enrolled in a group project. Prereq: Consent of instructor.

491 Honors: Foreign Study (3-15) Open to any undergraduate honors student. Proposals must be approved in advance. See the Director of University Honors for further information.
URBAN STUDIES (985)

300 Human-Environment Systems (3) (Same as Inter- 

disciplinary Design 300).

220 Introduction to Urban Studies (3) Introductory 

survey of urban studies. Includes a lecture series with 

urban scholars discussing issues as seen by their 

fields.

521 Urban Politics and Process (3) (Same as Political 

Science 521).

523 Behavioral Geography (3) (Same as Geography 523).

580 Practicum in Urban Studies (1) Internship ar-

rations, within assignments and hands-on experience in an 

organization which is working for urban change.

502 The City (3) (Same as Sociology 502).

491 The City in the United States (3) (Same as Planning 491).

482 Urban Development and Finance (3) (Same as 

Real Estate Finance and Investment Analysis 482).

504 Directed Field Work (2) Participant observation 

and faculty directed field research. May be completed 

with 300 in a unified project, subject to faculty approval.

561 Cities and Urban American History (3) (Same 

as History 561).

505 Senior Seminar (2) A capstone seminar taught by 

an interdisciplinary team of urban studies faculty in a pro-

blemsolving context. Prereq: 250, 350, and senior standing. 

Writing emphasis course.

502 Urban Ecology (3) (Same as Sociology 502).

505 Independent Study (3) (Same as History 505).

506 Real Estate Finance and Investment Analysis (3) 

(Same as Finance 506).

507 Independent Study (3) (May be repeated. Maxi-

mum 8 hours).

WILDLIFE AND FISHERIES SCIENCE (993)

341 Law Enforcement and Public Relations (2) Funda-

amentals and general principles of laws, state and 

federal laws and regulations governing natural resources 

and their management. Prerequisite and permission of 

instructor.

342 Wildlife Techniques (2) Methods in wildlife 

damage control, hunting, wildlands management, 

wildlife management, and wildlife and fish habitat 

management. Prerequisite and permission of instructor.

343 Fish and Wildlife Management (3) Biological and 

ecological principles of management, methods and 

practices of wildlife management. Prerequisite: 397 or 

consent of instructor. 2 hours and 1 lab. One weekend 

field trip required. Sp

445 Ecology and Management of Wild Birds (3) 

Biological and ecological characteristics of game 

birds and their management. Prerequisite: 397 or 

consent of instructor. 2 hours and 1 lab. One weekend 

field trip required. Sp

446 Ethics in Wildlife and Fisheries Management (3) 

Ethical bases for decision-making and implementation of 

federal laws and regulations on governing natural 

resources. A series of seminars presented by ethicists, 

wildlife and fisheries scientists and managers, and 

conservationists will be used to acquaint students with a 

diverse perspective of ethical behavior in the practice of 

wildlife and fisheries management. Lecture, panel discus-

sion, and case studies. Tuition: taught. Prerequisite: 

Senior standing and consent of instructor. May be required.

490 Internship in Wildlife Science (1-6) Internship 

experience at departmental-approved internship site 

selected by the student. Internship learning objectives 

must be pre-approved by the adviserto/instructor and 

the field supervisor. Only 3 hours and 1 lab may be 

used for science electives. Prerequisite: Junior standing 

must be pre-approved by the adviserto/instructor. May be 

required.

WOMEN'S STUDIES (994)

310 Images of Women in Literature: Biography and 

Autobiography (3) Introductions: women's journals, 

biographies and autobiographies. Writing emphasis 

course.

311 Image of Women in Literature: Fiction, Poetry, 

Drama (3) Introduction to the study of women through 

the roles and stereotypes portrayed in a variety of literary 

genera (fiction, poetry, and drama), including women's 

written in historical periods and cultures. Writing-empha-

sis course.

312 Women in Society (3) Role played by women in 

various societies during different historical periods. 

Feminists who have limited women's participation in society, 

social scientistic assumptions about women.

320 Marriage and Family: Roles and Relationships 

(3) (Same as Child and Family Studies 320).

334 Women in Science (3) (Same as Physics 334).

330 The Concept of Woman (3) (Same as Philosophy 

330).

333 Women, Politics, and the Law (3) An examination 

of recent changes in the laws affecting women and 

women's roles in the development of American 

civiliza-

tion and values. Majors in political science, philosophy, 

philosophy of feminism, and psychology.

332 Women in American History (3) (Same as History 

332).

331 Women in American History (3) (Same as History 

331). Writing emphasis course.

375 Gender in Society (3) (Same as Sociology 375).

393 Gender and Politics (3) (Same as Political Science 

393).

390 The Concept of Woman (3) (Same as Philosophy 

390). Writing emphasis course.

392 Philosophy of Feminism (3) (Same as Philosophy 

392). Writing emphasis course.

387 Women in the Greek and Roman World (3) (Same 

as Classics 387). Writing emphasis course.

380 Topics in Women's Studies (3) Content varies, 

may be repeated.