Accounting and Management Information Systems

2200 Introduction to Accounting I  
Preparation and use of accounting reports for business entities; focus on uses of accounting for external reporting, emphasizing accounting as a provider of financial information. 
Prereq: Econ 2001.01 (200), or equiv. Not open to students with credit for 2000 (310) or 211, or equiv. This course is available for EM credit.

2300 Introduction to Accounting II  
The uses of accounting reports by managers to make business decisions and to control business operations; focus is on the internal use of accounting information. 
Prereq: 2200 (211) and Econ 2001.01 (200), or equiv. Not open to students with credit for 2000 (310) or 212, or equiv. This course is available for EM credit.

3194 Group Studies  
Group study projects in selected areas in Accounting and Information Systems. 
Prereq: Permission of instructor. Repeatable to a maximum of 12 or hrs or 6 completions.

3300 Cost Accounting  
Managerial decision making in organizations with an emphasis on the use of financial data; theory and practice of management control. 
Prereq: 2200 (212), BusMgt 2320 (330), 2221 (331), and BusMHR 2291 (BusAdm 499.01), or permission of instructor. Not open to students with credit for 525.

African American and African Studies

1101 Introduction to African American and African Studies  
Introduction to the scholarly study of the Africana experience, focusing on patterns of resistance, adaptation, diversity, and transnational connections. 
Prereq: English 1110 (110). Not open to students with credit for 101. GE soc sci indivs and groups course.

1121 African Civilizations to 1870  
Exploration of the political, social, and economic history of precolonial African civilizations; using a variety of interdisciplinary approaches and materials. 
Prereq: English 1110 (110). Not open to students with credit for 121. GE historical study and diversity global studies course.

1122 African Civilizations, 1870 to the Present  
Exploration of the political, social, and economic history of colonial and independent African countries; using a variety of interdisciplinary approaches and materials. 
Prereq: English 1110 (110). Not open to students with credit for 122. GE historical study and diversity global studies course.

2080 African American History to 1877  
The study of the African American experience in America from arrival through the era of Reconstruction, focusing on slavery, resistance movements, and African American culture. 
Prereq: or concur: English 1110.xx. Not open to students with credit for 323.01 or History 2080 (323.01). GE historical study course. Cross-listed in History.

2081 African American History from 1877  
The study of the African American experience in the United States from the era of Reconstruction through the present. 
Prereq: or concur: English 1110.xx. Not open to students with credit for 323.02 or History 2081 (323.02). GE historical study course. Cross-listed in History.

Anatomy

2300.01 Human Anatomy  
Regional study of the basic structure and terminology associated with the human body supplemented with computer-assisted instruction. Laboratory includes demonstrations on dissected human cadavers. 
Prereq: Health Science students in CED and ASC. Not open to students with credit for 3330.

Anthropology

2200 Introduction to Physical Anthropology  
A scientific examination of humans as a biological and cultural organism based on primate evolution from living and fossil evidence; evolutionary theory and population adaptability. This course includes laboratory activities. 
Prereq: Biology 1101 (101) or equiv. Not open to students with credit for 200. GE nat sci bio course.

2202 Peoples and Cultures: An Introduction to Cultural Anthropology  
Comparative survey of traditional and contemporary peoples in the several world culture regions; culture concepts; study of selected topics. 
Prereq: Not open to students with credit for 202. GE soc sci indivs and groups and diversity global studies course.

Art

2400 Visual Studies: Three-Dimensional  
Basic concepts of three-dimensional art dealing with organization of space and form, using a variety of materials, processes, tools. 
Prereq: 2000 (200) or 2100 (205). Not open to students with credit for 182 or 207. This course is available for EM credit.

Astronomy
2 Astronomy

1161 Introduction to Solar System Astronomy  U  3
Physical nature of the sun and its family of planets, satellites and minor bodies; gravitation, light, and telescopes. Not recommended for students who plan to continue in astronomy or physics.
Pre-req: Math 1050 (075) or 102, or Math Placement Level R, or permission of instructor.
Not open to students with credit for 2291 (291), 161, or 171. This course is available for EM credit. GE nat sci phy course. NS Adms Cond course.

2 Astronomy

1101 Introductory Biology  U  4
Basic principles of biology; topics include the nature of science, organismal diversity, evolution, ecology, genetics, reproduction, and cellular function. Not intended for students majoring in one of the biological sciences.
Pre-req: Not open to students with credit for 1101E, 1113 (113), 1113H (115H), 101, Entmgy 1101 (101), or MoGen 1101 (PntBio101). This course is available for EM credit. GE nat sci bio course.

1102 Human Biology  U  4
Exploration of human biology; topics include structure and physiological function, reproduction and development, genetics and disease, ecology, and evolution. Not intended for students majoring in one of the biological sciences.
Pre-req: Not open to students with credit for 102. This course is available for EM credit. GE nat sci bio course.

1113 Biological Sciences: Energy Transfer and Development  U  4
Exploration of biology and biological principles; evolution and the origin of life, cellular structure and function, bioenergetics, and genetics. A broad introduction to biology comprises both Biology 1113 and 1114.
Pre-req: Math 1130 (130), 1148, 1150, or above, or Math Placement Level L or M. Pre-req or conc: Chem 1110 (101), 1210 (121), 1610, or 1910H (201H), or permission of course coordinator.
Not open to students with credit for 113. This course is available for EM credit. GE nat sci bio course. NS Adms Cond course.

1114 Biological Sciences: Form, Function, Diversity, and Ecology  U  4
Exploration of biology and biological principles; evolution and speciation, diversity in structure, function, behavior, and ecology among prokaryotes and eukaryotes. A broad introduction to biology comprises both Biology 1113 and 1114.
Pre-req: Math 1130 (130), 1148, or 1150 or above, or Math Placement Level L or M. Pre-req or conc: Chem 1110 (101), 1210 (121), 1610, or 1910H (201H), or permission of course coordinator.
Not open to students with credit for 114. This course is available for EM credit. GE nat sci bio course. NS Adms Cond course.

Business Admin: Finance

3220 Business Finance  U  3
Introductory finance class which allows students develop the skills to understand how financial managers make value-maximizing decisions for their firms.
Pre-req: Econ 2001.01 (200) or 2002.01 (201), and AcctMIS 2200 (211). Pre-req or conc: AcctMIS 2300 (212).
Not open to students with credit for 620, or to students enrolled in UUSS, UEap or PreBSBA-PR.
This course is available for EM credit.

3500 Legal Environment of Business  U  1.5
An introduction to American legal institutions, sources of law, and an analysis of basic concepts of public and private law related to business decisions. For non-Business majors.
Pre-req: Soph standing. Not open to students with credit for 510, or to students enrolled in UUSS, UEap or PreBSBA-PR.

4210 Corporate Finance I  U  1.5
Analysis of more advanced capital budgeting problems through understanding the theories and applications of capital structure policy.
Pre-req: 3220 (620), BusMgt 2320 (330), and 2321 (331), and BusMHR 2291 (BusAdm 499.01).
Not open to students with credit for 721.

4220 Investments I  U  1.5
Skills for valuation and theories and applications of CAPM, APT, and efficient markets.
Pre-req: 3220 (620), BusMgt 2320 (330), 2321 (331), and BusMHR 2291 (BusAdm 499.01).
Not open to students with credit for 722.

Business Admin: Management & Human Rsrsce

2000 Introduction to International Business  U  1.5
Basic coverage of world trade and investment problems, and introduction to multinational corporation strategies and the various types of environments in which they do business.
Pre-req: Econ 2002.01 (201), and Econ 2001.01 (200) or AEDEcon 2001 (200). Not open to students with credit for BusAdm 555.
Not open to students enrolled in UUSS, UEap or PreBSBA-PR.

2290 Applied Business Skills and Environment I  U  1.5
Introduces students to the concept of capitalism and the role of business organizations in society.
Pre-req or conc: BusAdm 1100, or any University Survey course. Not open to students with credit for BusAdm 499 or 499.01.

2291 Applied Business Skills and Environment II  U  1.5
Enhancement of future business leaders’ ability to resolve ethical issues and understand the ethical issues that leaders commonly face.
Pre-req: Soph standing, and enrollment in the Fisher College of Business. Not open to students with credit for BusAdm 499 or 499.01.
Not open to students enrolled in UUSS, UEap or PreBSBA-PR.

3200 Managing Individuals in Organizations: Organizational Behavior and Human Resources  U  3
Principles for managing the performance of individuals and groups in organizations; introduction to organizational behavior theory and its application to staffing, training, compensation, and appraisal.
Pre-req: Soph standing. Not open to students with credit for 3100 (400) or 701. Not open to students enrolled in UUSS, UEap or PreBSBA-PR.
This course is available for EM credit.

4324 Staffing: Concepts and Competencies for Acquiring Talent  U  3
Introduction to the scientific, legal, and administrative issues associated with the recruitment, hiring, and placement of individuals by organizations.
Pre-req: 2291 (BusAdm 499.01) and 4323 (653), or enrollment in GENLBUS-BS. Not open to students with credit for 756.

4490 Strategic Management  U  3
Introduction to the concepts and analytic tools in the field of strategic management to understand the competitive position of firms.
Pre-req: 2320 (330), or BusFin 3220 (620), 3500 (510), BusMgt 3230 (630), and BusMHR 3250 (650); and Sr standing; and enrollment in Fisher College of Business. Not open to students with credit for BusAdm 799. Not open to students in UUSS, UEap, or PReBSBA-PR.

Business Admin: Marketing & Logistics

3250 Principles of Marketing  U  3
Presents the concepts, framework and tools of market-based management to deliver superior customer satisfaction, value and profitability. The focus of the course is on identifying, creating, delivering and measuring value creation.
Pre-req: Econ 2001.01 (200), or equiv. Not open to students with credit for 3150 (650) or 450 or to students enrolled in UUSS, UEap or PreBSBA-PR.
This course is available for EM credit.

3380 Logistics Management  U  1.5
Concepts and methods used to plan and manage logistics activities in a business environment.
Understanding of the components of logistics management and tradeoffs required to manage the integrated flow of goods through the supply chain.
Pre-req: Eco 2001.01 (200), or equiv. Not open to students with credit for 780 or to students enrolled in UUSS, UEap, or PreBSBA-PR.

4204 Marketing Projects  U  3
In this advanced marketing course students will act as a consulting team and work with a client firm on a marketing problem, produce a report and present their work.
Pre-req: 4201 (750), 4202 (758), and BusMHR 2291 (BusAdm 499.01), or equiv, or enrollment in regional campus General Business Program.
Advanced Logistics Management

Advanced coverage of the concepts and methods used to plan and manage logistics activities in a business environment; in-depth understanding of the components of logistics management and trade-offs required to manage the integrated flow of goods. Prereq: 3380 and BusMHR 2291 (BusAdm 499.01).

Chemistry

Elementary Chemistry

Introductory chemistry for non-science majors, including dimensional analysis, atomic structure, bonding, chemical reactions, states of matter, solutions, chemical equilibrium, acids and bases, along with topics in organic and biological chemistry. Prereq: Eligibility to enroll in Math 1116 (116). Not open to students with credit for 1210 (121), 1250, 1610 (161), 1910H (20H), or 102. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

General Chemistry I

First course for science majors, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, atom comparison, bonding, molecular structure, gases, liquids, and solids. Prereq: One unit of high school chemistry, and Math Placement Level L or M or a grade of C- or above in Math 1130 (130), 1131 (131), 1148 (148), 1150 (150), or above. Not open to students with credit for 1210, 1610 (161), 1910H (20H), 122, or 125. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

General Chemistry II

Continuation of 1210 for science majors, covering solutions, kinetics, chemical equilibrium, solubility and ionic equilibria, qualitative analysis, thermodynamics, electrode potential. Prereq: Math 1130 (130) or above. Not open to students with credit for 1111 (101), 1112 (105), 100. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

Business Admin: Marketing & Logistics

Introduction to Computing Technology

A course of general interest giving experience with personal computer software, e.g., word processors and spreadsheets; provides fundamental computer literacy; neither teaches nor requires programming. Prereq: Not open to students with credit for 1111 (101), 1113, or 100.

Introduction to Computer Programming in C++ for Engineers and Scientists

Introduction to computer programming and to problem solving techniques using computer programs with applications in engineering and the physical sciences; algorithm development; programming lab experience. Concur: Math 1151 or 1161. Not open to students with credit for 202, Engr 1281.01, or 1281.02. This course is available for EM credit. Cross-listed in Engr.

Introduction to Computer Programming in Java

Introduction to computer programming and to problem solving techniques using computer programs; programming lab experience. Prereq: Not open to students with credit for 201. This course is available for EM credit.

Modeling and Problem Solving with Spreadsheets and Databases

Spreadsheet and database modeling/programming concepts and techniques to solve business related problems; efficient/effective data handling, computational analysis and decision support. Additional topics: computer concepts, networking, project integration. Prereq: Math 1130 (130) or above. Not open to students with credit for 1111 (101), 1112 (105), or 200. This course is available for EM credit. GE quant reason math and logical anly course.

Communication

Communication in Society

Role of communication in society; forms, strategies, theories and issues; interpersonal, group, organizations, public and mass communication. Prereq: Not open to students with credit for 200. GE soc sci indivs and groups course.

History of Communication

History of human communication from the beginning of spoken and written communication to modern mediated and mass communication. Prereq: Not open to students with credit for 101. GE soc sci indivs and groups course.

Principles of Effective Public Speaking

A course in critical thinking and public speaking; how to analyze and organize information for oral presentations; basics of public speaking for majors and non-majors. Prereq: Not open to students with credit for 321.

Comparative Studies

Literature and Society

Study of relationships among politics, society, and literature; analysis of social and political elements of literature and film from diverse cultures and historical periods. Prereq: English 1110 (110) or equiv. Not open to students with credit for 2101H (201H, 201). GE lit and diversity global studies course.

Literature and the Self

Study of relationships between psychology and literature; analysis of psychological concepts and processes as represented in literature and film of diverse cultures and historical periods. Prereq: English 1110 (110) or equiv. Not open to students with credit for 2103H (203H) or 203. GE lit and diversity global studies course.

Dance

Hip Hop I

Non-major introduction to studio practice of hip hop dance; includes survey of the history, theory, and/or literature of hip hop dance. Repeatable to a maximum of 8 or hrs or 4 completions. VSP Admin Cond course.

Pilates Mat I

Introduction to Pilates mat for non-majors; includes survey of the history, theory, and/or literature of Pilates. Repeatable to a maximum of 4 or hrs or 2 completions.

Earth Science

Planet Earth: How It Works

The materials of the Earth's crust, the processes that produce and modify them, the development of the Earth and its life forms through time, and responsible stewardship of the earth's resources. Not intended for ASC B.S. students. Prereq: Not open to students with credit for EarthSci 100 or GeoSci 100. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

Geology of the National Parks

Geologic processes, materials, and history revealed in geologic settings of the National Parks. Not intended for ASC B.S. students. Prereq: Not open to students with credit for EarthSci 100, 105, GeoSci100, or 105. GE nat sci phys course. NS Admin Cond course.

Economics

Principles of Microeconomics

Introduction to economic theory: supply and demand for goods, services, and factor inputs; market structure; international trade, the distribution of income. First required course for students planning to take 4000-level courses in econ. Prereq: Not open to students with credit for 200, 200H, or 200.01, or 200.03H, or AEDEcon 2001 (200). This course is available for EM credit. GE soc sci human, nat, and econ resources course. SS Admin Cond course.

Principles of Macroeconomics

Introduction to the theory of national income determination; economic fluctuations; money; government policy; international economics. Prereq: Not open to students with credit for 200.02, 200.03H (201, 201H). This course is available for EM credit. GE soc sci orgs and polities course.

Education: Educational Policy and Leadership

Psychological Perspectives on Education

Examination of research, theory, and practice pertaining to important aspects of learning and teaching; the nature of learners, cognition, problem solving, motivation, teaching approaches and assessment. Prereq: Not open to students with credit for 309.

School and Society

Use of concepts and methods of history, philosophy and the social sciences to grasp the interrelationship between society and education. Prereq: Not open to students with credit for 306.
4 Education: Educational Policy and Leadership

4403 Ethics and the Professional Context of Teaching U 3
Examination of the practice of teaching at national, state and local levels, highlighting the legal, professional, and ethical issues surrounding American schools and teaching. 
Prereq: Not open to students with credit for 650.03 or 690.

6402 Pedagogical Studies: Introduction to Educational Psychology G 3
Provides an overview of major perspective and issues related to classroom pedagogy including effective classroom management, teaching and learning, and school functioning.
Prereq: Not open to students with credit for 5102 (702 and 704), or enrollment in the MED program. Not open to students with credit for 718.

Education: Physical Activity and Ed Services

1103 Introduction to Health and Wellness in American Society U 2
A study of student health problems; designed to foster understandings and attitudes needed for intelligent decision-making related to present and future health needs. 
Prereq: Not open to students with credit for 103.

1137 Sport for the Spectator U 2
The study of various popular spectator sports including football, basketball, baseball, golf, tennis, ice hockey and others.
Prereq: Not open to students with credit for 137.

1144.02 Basketball Men U 1
Skill and strategy necessary for playing basketball. 
Prereq: Limited to men only. Not open to students with credit for 144.02.

1147 Principles of Fitness and Wellness U 1
Students will study principles of fitness and wellness. 
Concur: 1148.01, 1148.02, 1148.03, 1148.04, 1148.05, 1148.06, 1148.07, or 1148.08. Not open to students with credit for 147.

1148.04 Conditioning Activities: Strength Training U 1
Students will participate in a progressive strength and endurance training program using weight machines, free weights, and other strength equipment.
Concur: 1147. Not open to students with credit for 1148.01, 1148.02, 1148.03, 1148.05, 1148.06, 1148.07, 1148.08, or 148.04.

1148.05 Conditioning Activities: Cardio Exercise Training U 1
Students will participate in a progressive cardiovascular exercise training program that will utilize popular stationary equipment including treadmills, elliptical machines, cycles, and rowing machines.
Concur: 1147. Not open to students with credit for 1148.01, 1148.02, 1148.03, 1148.04, 1148.06, 1148.07, 1148.08 or 148.05.

1149.05 Lifetime Fitness Programs: Cardio Equipment Training U 1
Students will participate in a progressive cardiovascular exercise training program that will utilize popular stationary equipment including treadmills, elliptical machines, cycles, and rowing machines.
Prereq: 1147 and 1148. Not open to students with credit for 1148.05 or 149.05.

1191.01 Volleyball I U 1
Introduction to power volleyball. 
Prereq: Not open to students with credit for 191.01.

2189.01 Field Experience: Intro Experience in a School System U 3
Field experience to explore professional service in school or community settings.
Concur: 2891. Repeatable to a maximum of 6 cr hrs.

2891 Seminar in Exploring Helping Relationships: Teaching/Learning U 2
Self development and decision making for students exploring careers through placement in educational, and community agency settings. 
Concur: 2189.01. Repeatable to a maximum of 4 cr hrs.

5650 Introduction to Exceptional Children U G 3
An overview of the education of exceptional learners including a discussion of their characteristics and a review of historical approaches to their education and of contemporary educational practices.
Prereq: Not open to students with credit for 650.

Education: Teaching and Learning

2189 Field Experience U 1-4
Professional service with children or youth in a school or community agency.
Prereq: Permission of instructor. Repeatable to a maximum of 15 or hrs or 15 completions. This course is graded S/U.

2367 Education, Society and Writing U 3
Designed to help students reflect critically, both orally and in writing, on the social, political, and cultural contexts that influence education in today's society.
Prereq: A GE level 1 writing course. Not open to students with credit for 607. GE writing and comm course: level 2.

2368 Introduction to Children's Literature U 3
This is a survey course in which students study the historical and contemporary elements of literature intended for children, including picturebooks; traditional tales; novels of realism, and fantasy; nonfiction; poetry; and multicultural books.
Prereq: Not open to students with credit for 467. GE lit course.

3160 Elementary Education: Child Guidance U 3
Designed to develop an understanding of child growth and development in order to foster appropriate classroom instruction.
Prereq: Not open to students with credit for 460.

3193 Individual Studies U 1-3
Individual study projects.
Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs or 20 completions. This course is graded S/U.

3356 Literature for Adolescents U 3
Literature for individual, group, and whole-class reading in junior and senior high schools; interest factors and literary value as criteria for selection; bibliographic aids.
Prereq: Not open to students with credit for 656. GE lit course.

4005 Urban Teaching and Learning U 3
This course introduces students to issues related to teaching and learning in urban school contexts.
Prereq: Not open to students with credit for 559. GE soci sci indivs and groups and diversity soc div in the US course.

4174 Family Participation in Early Childhood School Programs: General Student Body U 3
The purposes and importance of family involvement in early childhood school programs, types of programs, resources, methods, and curricula.
Prereq: Not open to students with credit for 674.07.

4189 Advanced Field Experience U 1-4
Directed field experience emphasizing appropriate teaching strategies for different school age children and settings.
Prereq: Permission to appropriate teacher education program. Repeatable to a maximum of 12 or hrs or 3 completions.

5005 Equity and Diversity in Education U G 3
Focuses on issues of diversity, equity, teacher beliefs, and multicultural education. Emphasis is placed on the roles of identity and lived experience and its influences on approaches to teaching and learning in educational settings.
Prereq: Not open to students with credit for 815.

5110 Classroom Communities and Issues of Guidance U G 3
A classroom as communities framework to support teaching and learning and issues of guidance.
Prereq: Not open to students with credit for 810.

5123 Early Childhood Pedagogy U G 2
Pedagogy I explores sociocultural perspectives on teaching and learning in early childhood and elementary education, the role of teacher as researcher/inquirer, and the ways in which sociocultural pedagogies interface with standard-based education.
Prereq: Admission to major or M.Ed. Not open to students with credit for 723.

5129 Teaching and Learning of Science in Grades Pre K - 3, Part I U G 2-3
Part I
Exploration of contemporary alternatives in early childhood science education and the development of knowledge and skills for teaching and learning in grades Pre K - 3, with a focus on preschool and kindergarten.
Prereq: Enrollment in Education major or Master in Education. Not open to students with credit for 729.
5191 Supervised Student Teaching Internship

Student teaching internship in a P-12 classroom where students assume major teaching responsibilities under the guidance of a cooperating teacher and university supervisor. Prereq: Permission of instructor. Repeatable to a maximum of 30 cr hrs or 2 completions. This course is graded S/U.

5225 Reading Multicultural Literature Across Middle Childhood Curricula

Engaging reading strategies for middle childhood students focusing on fiction and non-fiction that represents diverse cultures and develops understandings of content areas.

5226 Literacy, New Media, and Creative Pedagogies for Middle Childhood Classrooms

Focuses on active and creative approaches to literacy education (including visual and performing arts) that draw on new media and are particularly useful in middle childhood classrooms. Prereq: Not open to students with credit for 854.

5230 Language Arts Methods for Preservice Middle Childhood Teachers

Preserve teachers study methods for teaching middle childhood student's reading and writing. They explore the significance of students' interests, language, and communities to their knowledge and meaning-making of the Language Arts. Prereq: Not open to students with credit for 706.

5270 Mathematics Methods for Preservice Middle Childhood Teachers

Preserve teachers study methods for teaching middle childhood mathematics. These methods include instruction, assessment, and learning theory to support the teaching and learning of mathematics in grades 4 through 9. Prereq: Not open to students with credit for 709.

5282 The Social Transitions of 4th and 5th Grade Learners

Focuses on the social and emotional development of the early adolescent in society, home and in the classroom setting. Prereq: Not open to students with credit for 681.

5284 Integrating Language Arts and Social Studies in 4th and 5th Grades

Related to the integration of LA/SS. The focus is on curriculum, pedagogy, and integration specific to 4th/5th grades. Prereq: Not open to students with credit for 683.

5339 Evaluation and Instructional Decision-Making in Literacy

Assessment instruments and processes to determine students' abilities and needs and instructional strategies to meet those needs as useful to early and/or middle childhood teachers are explored. Prereq: Enrollment in Early or Middle Childhood B.S. Ed. or Master of Education program. Not open to students with credit for 705 or 709.

5453 Critical Literacy in Content Area Classrooms

Teaches teachers to provide the support many students need throughout their schooling to develop their literacy skills in content areas; recognizing that learning the discourses of various fields and genres is a life-long endeavor. Prereq: Not open to students with credit for 853.

5468 Reading Foundations

Introduction to basic concepts about the reading process, learning to read, social/cultural factors affecting literary development and effective literacy instruction. Prereq: Early Childhood, Middle Childhood and Intervention Specialists students must take 2368. Not open to students with credit for 688.

5469 Understanding Phonics and its Role in Instruction

Detailed examination of how English maps spellings to pronunciations, the role of phonics knowledge in learning to read, and effective assessment and instruction. Prereq: Not open to students with credit for 669.07.

5502 Inclusion: Philosophical, Social, and Practice Issues: Early Childhood Education

Philosophical, social, and practice issues related to the inclusion of students with disabilities in the P-12 general education classroom. Prereq: Not open to students with credit for 809.70.

5798 Study Tour

Specific content, location, terms of offering, and prerequisites vary; contact school office for details. Repeatable to different titled study tours only. Prereq: Permission of instructor. Repeatable to a maximum of 12 cr hrs or 12 completions.

6052 Classroom-Based Inquiry: MA

Focuses on the history and evolving status of classroom-based inquiry and teacher action research. Students will develop a proposal for a classroom-based inquiry project, and will practice collecting and analyzing data and summarizing findings. Prereq: Not open to students with credit for 874.

6890 M.Ed Capstone Seminar

Seminar to prepare M.Ed students for the comprehensive written examination or approved alternative. Prereq: Not open to students with credit for 926.

7193 Individual Studies

Individual study projects. For thesis option, not more than 12 cr hrs will apply toward the master's degree. For non-thesis option, not more than 15 cr hrs will apply. Not more than 20 cr hrs will apply toward the doctoral degree. Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs or 20 completions. This course is graded S/U.

7356 Linguistics for Literacy Education

Introduction to educational linguistics. Through exploration of linguistic concepts and their relevance to teaching, learning, and literacy, students develop new ways of seeing and supporting students' development as skilled language users. Prereq: Not open to students with credit for 665.

7880 Advanced Seminar

Advanced graduate seminar focusing on educational scholarship. Prereq: Permission of instructor. Repeatable to a maximum of 40 cr hrs or 10 completions.

1181.01 Fundamentals of Engineering I

Engineering problem solving utilizing computational tools such as Excel and Matlab; hands-on experimentation; modeling; ethics; teamwork; written, oral and visual communications. Prereq or concur: Math 1150 or above. Not open to students with credit for Engineer 183.01 or 183.02.

1182.01 Fundamentals of Engineering II

Introduction to 3D visualization and CAD; engineering design-build process; teamwork; written, oral and visual communications; project management. Prereq: Engr 1181.01 or 1181.02 or 1281.01H or 1281.02H or 1281.03H. Concur: Math 1151 or above. Not open to students with credit for Engineer 181.01 or 181.02.

1109 Intensive Writing and Reading

Provides intensive practice in integrating academic reading and writing. Credit may not count toward graduation in some degree programs. Prereq: English Placement Test score of 6. Not open to students with credit for 1110.01 (110.01), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 052, 060, or 110.03, or equiv.

1110.01 First-Year English Composition

Practice in the fundamentals of expository writing, as illustrated in the student's own writing & in the essays of professional writers. May be available as a service learning course with five hours community service required at the Lima campus only. Prereq: 1109 (109.02) or EnTL1902 (108.01), or English Placement Level 4. Not open to students with credit for 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1167H (167H), 110.01, 110.03, or equiv. This course is available for EM credit. GE writing and comm course: level 1.

1110.03 First-Year English Composition

Intensive practice in fundamentals of expository writing illustrated in the student's own writing & essays of professional writers; offered in a small class setting and linked with an individual tutoring component in its concurrent course, 1109. Prereq: English placement level 5; placement level 4 allowed if student requests service. This course is available for EM credit only through the AP program. Not open to students with credit for 1110.01 (110.01), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1167H (167H), or 110.03, or equiv. GE writing and comm course: level 1.

1281.01 Fundamentals of Engineering I

Engineering problem solving utilizing computational tools such as Excel and Matlab; hands-on experimentation; modeling; ethics; teamwork; written, oral and visual communications. Prereq or concur: Math 1150 or above. Not open to students with credit for Engineer 183.01 or 183.02.

1281.02 Fundamentals of Engineering II

Introduction to 3D visualization and CAD; engineering design-build process; teamwork; written, oral and visual communications; project management. Prereq: Engr 1281.01 or 1281.02 or 1281.03H or 1281.03H. Concur: Math 1151 or above. Not open to students with credit for Engineer 181.01 or 181.02.

1310.01 First-Year English Composition

Practice in the fundamentals of expository writing, as illustrated in the student's own writing & in the essays of professional writers. May be available as a service learning course with five hours community service required at the Lima campus only. Prereq: 1109 (109.02) or EnTL1902 (108.01), or English Placement Level 4. Not open to students with credit for 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1167H (167H), 110.01, 110.03, or equiv. This course is available for EM credit. GE writing and comm course: level 1.

1310.03 First-Year English Composition

Intensive practice in fundamentals of expository writing illustrated in the student's own writing & essays of professional writers; offered in a small class setting and linked with an individual tutoring component in its concurrent course, 1109. Prereq: English placement level 5; placement level 4 allowed if student requests service. This course is available for EM credit only through the AP program. Not open to students with credit for 1110.01 (110.01), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1167H (167H), or 110.03, or equiv. GE writing and comm course: level 1.

1193 Individual Studies

Intensive practice in the fundamentals of expository writing. Prereq: Permission of Director of First-Year Writing. Concur: 1110.03. Not open to students with credit for 1193.03. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.
Evolution, Ecology and Organismal Biology

2520 Human Physiology

A survey of the human nervous system, sense organs, muscle function, circulation, respiration, digestion, metabolism, kidney function, and reproduction.
Prereq: 3 sem cr hrs in Biological Sciences. Not open to students with credit for 232. GE nat sci bio course. NS Admls Cond course.

Exploration

1100.01 University Exploration Survey

Introduction to the process of decision making and exploring majors at Ohio State; introduction to university community; strategies for successful transition to and participation in that community; university resources and procedures.
Prereq: Fresh standing in Exp, and permission of instructor. Not open to students with credit for 100.01, 100.01H, 100.02, or 100.03.

French
1101.01 Beginning French I Classroom
Introduction to French; development of listening, reading, speaking, and writing skills. Taught in French. Course is not open to native speakers of this language, students with EM credit, or to students with two or more years of study in this language in high school. Prereq: Not open to students with credit for 1101.01, 101.01, 4 sem cr hrs of 1101.51, or 5 qtr cr hrs of 101.51. This course is available for EM credit. GE for lang course. FL Admins Cond course.

1102.01 Beginning French II Classroom
Continued study of French; development of listening, reading, speaking, and writing skills; readings based on contemporary French Culture and literature. Taught in French. Not open to native speakers of this language or with credit through regular course enrollment, or students with EM credit. Prereq: 1101.01, 1102.01, or 1102.66, or completion of 4 sem cr hrs of 1101.51 or 5 qtr cr hrs of 101.51. Not open to students with credit for 1102.01, 1102.30, 1103.01, 103.66, or 103.66. This course is available for EM credit. GE for lang course. FL Admins Cond course.

1103.01 Beginning French III Conversation and Composition
Continued development of listening, speaking, and writing skills; focus on functional topics and thematic vocabulary. Taught in French. Not open to native speakers of this language through regular course enrollment or EM credit. Prereq: 1102.01 or 4 sem cr hrs of 1102.51 or 102.01 and 2 sem cr hrs of 1102.51 or 102.66 and 2 sem cr hrs of 1102.51 or 103.01, 103.66, or 5 qtr cr hrs of 103.51. Not open to students with credit for 1103.xx (104.xx). Only one decimal subdivision may be taken for credit. This course is available for EM credit. GE for lang course. FL Admins Cond course.

3801 French-American Culture Wars
French-American cultural relations since World War I; an exploration of French reaction to and adoption or rejection of a number of American cultural "exports," from jazz and the GI to Coke and consumerism. Prereq: Not open to students with credit for 153. GE cultures and ideas course.

1900 Extreme Weather and Climate
Surveys characteristics and processes of Earth's atmosphere and how it interacts with the planet's surface, oceans, and human activity. The course focuses on how these interactions work to produce extreme weather events and climate extremes and how they affect people. Prereq: Not open to students with credit for 1900H (120H), 2960 (220), 5900 (520), 120, or Atmospheric 2945 (220), GE nat sci phys course.

2100 Human Geography
Introduces key concepts in human geography; interconnections between people and places; the role of space and place in political, cultural, economic, and social interactions. Prereq: Not open to students with credit for 205. GE soc sci indivs and groups course.

2750 World Regional Geography
An examination of the human and physical geographic structure of all world regions; defined primarily at the continental scale. Examines regions in global context. Prereq: Not open to students with credit for 200 or 2750H (200H). GE soc sci human, nat, and econ resources and diversity global studies course. SS Admins Cond course.

3597.01 World Urbanization
An examination of geographic aspects of the urbanization process in the world's major regions; interrelationships between urbanization and economic development. Prereq: Not open to students with credit for 3701 (425) or 397.01. GE cross-disciplinary seminar course.

1101.01 German I
Introduction to language and culture of the German-speaking world, with emphasis placed on the acquisition of basic communication skills in cultural context. CEFR Levels A1/A2. Not open to native speakers of this language through regular course enrollment or EM credits, or to students with 2 or more years of study in this language in high school, except by permission of dept. Prereq: Not open to students with credits for 101.01, 4 sem cr hrs of 1101.51, or 5 qtr cr hrs of 101.51. This course is available for EM credit. GE lt course. FL Admins Cond course.

1102.01 German II
Continued development of German-language skills and cultural knowledge for effective communication. Emphasis on more advanced language structures, sustained interactions, reading and writing. CEFR Levels A2/B1. Progress in sequential from one cr hr to the next, with proficiency at the level of 80% required for advancement. Not open to native speakers of this language. Prereq: 1101, or 4 sem cr hrs of 1101.51, or conc: 1101.51, and permission of instructor. Not open to students with credit for 102.01, 102.51, 103.01, or 103.51. This course is available for EM credit. GE for lang course. FL Admins Cond course.

2001 Western Art I: Ancient and Medieval Worlds
Examination of the history of Western Art from the third millennium BCE to the fifteenth century CE. Prereq: Not open to students with credit for 201 or 210. This course is available for EM credit. GE VPA and historical study and diversity global studies course.

2002 Western Art II: The Renaissance to the Present
Examination of the history of art in Europe and the United States, from 1400 to the present. Prereq: Not open to students with credit for 202 or 212. This course is available for EM credit. GE VPA and historical study and diversity global studies course.

3640 Readings in Modern U.S. History
Advanced readings on selected topics in Modern U.S. History. Prereq or conc: English 1110 or equiv, and course work in History at the 3000 level, or permission of instructor. Repeatable to a maximum of 6 cr hrs.

2231 The Crusades
Examines the various European crusades - in the Holy Land, Spain, Eastern Europe, and southern France - from their origins to the late 15th century. Sometimes this course is offered in a distance-only format. Prereq or conc: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.
## Mathematics

### 1050 Precollege Mathematics I  
**U 5**

Fractions and decimals, basic algebra, graphing lines, factoring, systems of equations. Credit for this course will not count toward graduation in any degree program.

Prereq: 1040 (040) or Math Placement Level T, or permission of department. Not open to students with credit for any Math course above 1050 (050). This course is available for EM credit.

### 1075 Precollege Mathematics II  
**U 4**

Algebraic, rational, and radical expressions; functions and graphs; quadratic equations; absolute value; inequalities; and applications. Credit for this course will not count toward graduation in any degree program.

Prereq: 1074 or Math Placement Level S or above. Not open to students with credit for any Math course above 1075 or for any quarter-system course above 075. This course is available for EM credit. GE quant reason basic computation course.

### 1114 Transition Calculus I  
**U 2**

Calculus 1 transition, from one quarter to one semester. Su 12, Au 12 sems.

Prereq: C- or better in 1051 or higher, or for any quarter-system math course numbered 152.xx or higher. GE quant reason math and logical anly course.

### 1116 Excursions in Mathematics  
**U 3**

Critical thinking and problem solving, with relevant topics met in everyday life. Appropriate for non-science majors.

Prereq: 1073, 1074, 1075, 75, or 104, or Math Placement Level R or above. Not open to students with credit for 1152 (153) or above. GE quant reason math and logical anly course.

### 1125 Mathematics for Elementary Teachers I  
**U 5**

Sequence 1125-1126 involves numbers, geometry, measurement, and mathematical reasoning, for prospective elementary school teachers.

Prereq: A grade of C- or above in 1075, or credit for 1074, 75, or 104, or Math Placement Level R or above, and enrollment in Early Childhood or Special Education major, or in Middle Childhood major or pre-major with a major of concentration different than Math. Not open to students with credit for 106. GE quant reason math and logical anly course.

### 1126 Mathematics for Elementary Teachers II  
**U 5**

Continuation of 1125: numbers, geometry, measurement, and mathematical reasoning, for prospective elementary school teachers.

Prereq: A grade of C- or above in 1125, and enrollment in Early Childhood or Special Education major, or in Middle Childhood major or pre-major with a major of concentration different than Math. Not open to students with credit for 107. GE quant reason math and logical anly course.

### 1130 College Algebra for Business  
**U 4**

Algebraic, exponential, and logarithmic functions. Matrix algebra. Applications to business.

Prereq: A grade of C- or above in 1075, or credit for 104, or Math Placement Level M or N. Not open to students with credit for 1131 (131), or for any Math course numbered 1149 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1131 Calculus for Business  
**U 5**

Survey of calculus of one and several variables; applications to business.

Prereq: A grade of C- or above in 1130, 1144, 1145, or 1150, or credit for 130, 148, or 150, or Math Placement Level L. Not open to students with credit for 1131 (131), or for any Math course numbered 1149 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1134 Transition Calculus for Business  
**U 3**

Integral and multi-variable calculus for business. This course is used only for transfer credit.

Prereq: 131, or equiv. Not open to students with credit for 132. This course is available for EM credit.

### 1144 Precalculus Transition  
**U 4**

Math 150 done in a semester: Properties and applications of rational, logarithmic, exponential, trigonometric, and inverse trigonometric functions. Introduction to complex numbers. This course is used only for transfer credit.

Prereq: 1146 (148), or permission of department. Not open to students with credit for 150 or above.

### 1148 College Algebra  
**U 4**

Functions; polynomial, rational, radical, exponential, and logarithmic. Introduction to right-angle trigonometry. Applications.

Prereq: A grade of C- or above in 1075, or credit for 104 or 148, or Math Placement Level N, or permission of department. Not open to students with credit for 1144, or for any Math course numbered 1150 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1149 Trigonometry  
**U 3**

Trigonometric functions and their properties. Vectors, polar coordinates and complex numbers.

Prereq: A grade of C- or above in 1148, or permission of department. Not open to students with credit for 1144, or for any Math course numbered 1150 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1150 Precalculus  
**U 5**

Functions; polynomial, rational, radical, exponential, logarithmic, trigonometric, and inverse trigonometric. Applications.

Prereq: Math Placement Level M. Not open to students with credit for 1144, 1148, or for 1149 or above, or for any quarter Math course numbered 150 or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1151 Calculus I  
**U 5**

Differential and integral calculus of one real variable.

Prereq: A grade of C- or above in 1148 and 1149, or in 1144, 1150, or 150, or Math Placement Level L. Not open to students with credit for 1152 or 152.xx, or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1152 Calculus II  
**U 5**

Integral calculus, sequences and series, parametric curves, polar coordinates, (optional) vectors.

Prereq: A grade of C- or above in 1114 (114), 1151, 1156, 1161.xx, 152.xx, 161.xx, or 161.01H. Not open to students with credit for any Math class numbered 1172 or above, or for credit for quarter-system Math courses numbered 153.xx or above. This course is available for EM credit. GE quant reason math and logical anly course.

### 1172 Engineering Mathematics A  
**U 5**

Techniques of integration, Taylor series, differential calculus of several variables. Applications.

Prereq: A grade of C- or above in 1114 (114), 1151, 1156, 1161.xx, 152.xx, 161.xx, or 161.01H. Not open to students with credit for 1152, 1534 (153.xx), or 1544 (154), or for any Math class numbered 1172 or above, or for any quarter-system Math class numbered 254.xx or above. Not open to students majoring in Math, pre-ACTuarial Science, or Actuarial Science.

## Microbiology

### 4000 Basic and Practical Microbiology  
**U 4**

Provides an understanding of microorganisms and their interaction with the human experience.

Prereq: 3 hrs in Biology. Not open to students with credit for Microbio 509. GE nat sci bio course.

## Music

### 2203.03 University Chorus  
**U 0.5-2**

Selected choral works are studied and performed.

Prereq: Admission by audition only. Repeatable to a maximum of 16 hrs or 8 completions. VSP Admis Cond course.

### 2208.02 Small Ensemble: Voice  
**U 0.5-1**

Intensive study of ensemble works for voice.

Prereq: Admission by audition, or permission of instructor. Repeatable to a maximum of 12 hrs or 12 completions. VSP Admis Cond course.

### 2251 The World of Classical Music  
**U 3**

An introduction to the world of classical music and to its genres, composers, styles, societies, and historical periods. No music background is required.

Prereq: Not open to students with credit for 251 or Music majors. GE VPA and diversity global studies course. VSP Admis Cond course.

### 2251E The World of Classical Music  
**U 3**

An introduction to the world of classical music and to its genres, composers, styles, societies, and historical periods. No music background is required. Music 2251E is an honors embedded course.

Prereq: Honors standing or permission of instructor. Not open to students with credit for 251 or Music majors. GE VPA and diversity global studies course. VSP Admis Cond course.

### 2252 History of Rock ‘n’ Roll  
**U 3**

The history and culture of rock ‘n’ roll.

Prereq: Not open to students with credit for 252. GE VPA course.

### 2253 Introduction to Jazz  
**U 3**

A study of the characteristics, styles, structures of jazz, and jazz performers.

Prereq: Not open to students with credit for 253 or to Music majors. GE VPA course.

### 3370 Music for Elementary Teachers  
**U 2**

Music literature and teaching aids for children, including singing, rhythmic, creative, and listening experiences, and their presentation.

Prereq: Not open to students with credit for 370.

## Philosophy

### 1100 Introduction to Philosophy  
**U 3**

Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion.

Prereq: Not open to students with credit for 101 or 101H. GE cultures and ideas course.

### 1300 Introduction to Ethics  
**U 3**

The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts.

Prereq: Not open to students with credit for 130 or 130H. GE cultures and ideas course.

### 1850 Introduction to Philosophy of Religion  
**U 3**

A philosophical analysis of the nature of religion and the foundations of religious belief.

Prereq: Not open to students with credit for 270. GE cultures and ideas course.

## Physics
1107.01 Physics by Inquiry: Circuits, Light and Optics, and Astronomy
Investigation of the properties of electricity and circuits, light, optics with applications to real-world phenomena such as astronomy using the inquiry technique. Intended for non-science majors.
Prereq: Not open to students with credit for 107 and 108. GE nat sci phys course. NS Admin Cond course.

1200 Mechanics, Kinematics, Fluids, Waves
Algebra-based introduction to classical physics: Newton's laws, fluids, waves.
Prereq: A grade of C- or above in Math 1148 (148), or Math Placement Level M. Not open to students with credit for 111. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

1201 E&M, Optics, Modern Physics
Algebra-based introduction to electricity and magnetism, simple optics, overview of modern physics including special relativity and quantum mechanics.
Prereq: 1200 (111). Not open to students with credit for 112. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

1250 Mechanics, Thermal Physics, Waves
Calculus-based introduction to classical physics: Newton's laws, fluids, thermodynamics, waves; for students in physical sciences, mathematics, and engineering.
Prereq: 1 entrance unit of Physics or Chem. Concur: Math 1151 (152), 1161 (161), 1181H (161H), or 4181H(100H) or above. Not open to students with credit for 131. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

1251 E&M, Optics, Modern Physics
Calculus-based introduction to electricity and magnetism, simple optics, modern physics including special relativity and quantum mechanics; for students in physics, mathematics, engineering.
Prereq: 1250 (131), 125H (131H), or 1260, and Math 1151 (152) or above; or permission of instructor. Concur: Math 1152 (153), 1161, 1172, 1181H, or 4181H. Not open to students with credit for 132. This course is available for EM credit. GE nat sci phys course. NS Admin Cond course.

Political Science

1100 Introduction to American Politics
Introduction to American politics, the institutions and processes which create public policy, the strengths and weaknesses of the American political system.
Prereq: Not open to students with credit for 3100 (300), 101, or 101H. This course is available for EM credit. GE soc sci orgs and polities course. SS Admin Cond course.

1200 Introduction to Comparative Politics
Introduction to modern nation-states outside the United States: problems of state- and nation-building, representation, conflict, and making of government policy in selected countries.
Prereq: Not open to students with credit for 100 or 100H. This course is available for EM credit. GE soc sci orgs and polities and diversity global studies course.

4136 Civil Liberties
An examination of civil liberties decisions by American courts, their legal and political bases, and their effects on government and society.
Prereq: Not open to students with credit for 519.

4262 The New Religious Politics
How religious beliefs and practices affect politics in a variety of countries; variation in "church-state" relations; religiously-based political divisions; democracy and religion.
Prereq: Not open to students with credit for 526.

Psychology

1100 Introduction to Psychology
A prerequisite to advanced courses, a broad survey of psychological science. Application of the scientific method to the empirical study of behavior with emphasis on individual and cultural differences.
Prereq: Not open to students with credit for 100, 100H, or 100E. This course is available for EM credit. GE soc sci indivs and groups and diversity soc div in the US course.

2220 Data Analysis in Psychology
Discussion of statistical analysis of psychological data - random samples, graphical and numerical techniques of descriptive statistics, correlation, regression, probability, sampling distribution, and hypothesis testing.
Prereq: 1100 (100) or 1100H (100H), and Stat 1450 (145), Math 1148 (148), Math 1149, 1150 (150), 1251 (151), or 152, or equiv. or Math Placement Level M or higher; or permission of instructor. Not open to students with credit for 220, 220H, 320, or 320H.

2300 Research Methods in Psychology
An overview of issues, methods, and techniques of scientific psychological research. Students must be pursuing majors or minors in Psychology.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 300.

2376 Interpersonal Relationships
Surveys the scientific literature on interpersonal relationships, including family, friends, and romantic partnerships.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 376.

2420 Psychology Applied to Sport
Psychological factors that influence sport participation and performance; psychological techniques to enhance performance; psychological problems associated with sport.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 420.

3312 Memory and Cognition
An introduction to experimental study of human memory and cognition.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 312.

3313 Introduction to Behavioral Neuroscience
Introduction to the structure and function of the nervous system in relation to behavior.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 313.

3331 Abnormal Psychology
Examination of current theories and empirical findings regarding the major forms of psychopathology and treatment.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 331, 331H, or 331E.

3335 Psychology of Adjustment
Examination of psychological concepts and theories related to individual adjustment and adaptation.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 335.

3340 Introduction to Life Span Developmental Psychology
Consideration of theories and research on psychological development across the lifespan; includes consideration of social policies that influence developmental outcomes.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 340, 340H, or 340E.

3340E Introduction to Life Span Developmental Psychology
A survey of developmental psychology including some phylogenetic perspective.
Prereq: Honors standing, and 1100 (100) or 1100H (100H); or permission of instructor. Not open to students with credit for 340, 340H, or 340E.

3375 Stereotyping and Prejudice
Lectures address experimental research in stereotyping and prejudice; readings focus on historical, cultural, and sociological perspectives on issues related to gender, ethnicity, and social class.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 375. GE diversity soc div in the US course.

3380 Theories of Personality
Major theoretical and research orientations in the study of normal and abnormal personality development, with a focus on personality processes.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 380.

4511 Psychological Testing
An overview of theoretical and practical aspects of the assessment and prediction of human behavior; topics include achievement, intelligence, personality, attitudes, interests, and interpersonal relations.
Prereq: 1100 (100) or 1100H (100H), and 2220 (220) or 2220H (220H). Not open to students with credit for 511 or 597.02.

4540 Counseling Psychology
Issues within the field of counseling psychology including assessment, counseling skills, multicultural issues, career, professional, and ethical issues.
Prereq: 3331 (331), 3331H (331H), 3331E (331E), 3335 (335), or 3530 (530). Not open to students with credit for 540.

4543 Psychology of Gender
An examination of the origins and implications of gender differences and similarities and the role that gender plays in the interpretation of behavior.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 543 or 543E.

5601 Comparative Psychology
Research on animal behavior by psychologists and ethologists; behavioral differences between species; emphasis on evolutionary and adaptive significance of the mechanisms underlying behavior.
Prereq: 3313 (313), or permission of instructor. Not open to students with credit for 601.

Social Work

1120 Introduction to Social Welfare
An introduction to the history, structure, and function of the social welfare institution.
Prereq: Not open to students with credit for 220 or 520. GE soc sci human, nat, and econ resources course.

1130 Introduction to Social Work in Contemporary Society
An introduction to the core values, fundamental goals, unique functions and methods of the social work profession.
Prereq: Not open to students with credit for 230. GE soc sci indivs and groups course.
10  Social Work

1140  Minority Perspectives: Race, Ethnicity, and Gender  U  3
Examination of the structure of human societies, cultures, and institutions from the perspective of oppressed minority populations.
Prereq: Not open to students with credit for 300. GE diversity soc div in the US course.

3597  Adolescent Parenthood and Sexuality: An International Perspective  U  3
Examination of the biological, psychosocial and cultural forces that influence adolescent sexual behaviors. International comparisons will be emphasized with respect to teenage sexual trends and national policies and programs.
Prereq: Jr or Sr standing. Not open to students with credit for 597. Not open to MSW students. GE cross-disciplinary seminar course.

5012  Social Work Approaches to Conflict Resolution  U  2
Introduces negotiation and mediation skills from a social work perspective to resolve conflict in work with individuals, families, groups, organizations, and communities.
Prereq: Jr, Sr, or Grad standing in SocWork.

5013  Integrative Body-Mind-Spirit  U  2
Introduces knowledge and skills regarding assessment and treatment techniques pertaining to a holistic approach of mind, body, and spirit treatment.
Prereq: Jr, Sr, or Grad standing in SocWork, or permission of instructor.

6201  Social and Economic Justice  G  3
Foundation knowledge related to social justice in the context of social welfare in advancing human rights of all people.
Prereq: Not open to students with credit for 720 and 721.

6202  Diversity and Cultural Competence  G  3
Conceptual framework for effective and culturally sensitive social work practice with oppressed and vulnerable populations.
Prereq: MSW I standing, or permission of instructor. Not open to students with credit for 709, 710, or 711.

6301  Social Work Perspectives on Development and Behavior Across the Lifespan  G  3
Examine individual and contextual development processes across the lifespan in order to understand how human behavior is impacted by risk and protective developmental factors.
Prereq: Not open to students with credit for 733.

6302  Organizational & Community Systems  G  3
Critically examines explanatory theory regarding the functioning of human service organizations, residential institutions, and communities with applications to social work assessment and intervention.
Prereq: Not open to students with credit for 730.01 or 733 or 734.

6401  Engaging with Evidence  G  3
Students develop knowledge, values and skills about evidence to inform practice and prepare to analyze evidence at all levels of practice.
Prereq: Not open to students with credit for 770 or 771.

6501  Engaging and Entering the Profession  G  4
Introduces students to the knowledge, skills and values needed to prepare for and engage in social work with vulnerable populations.
Prereq: Not open to students with credit for 744, 745, and 746. This course is graded S/U.

Sociology

1101  Introductory Sociology  U  3
Fundamental concepts of sociology and introduction to the analysis of social problems and interactions (e.g. wealth, gender, race, inequality, family, crime) using sociological theories.
Au, Sp, Su Sems. Prereq: Not open to students with credit for 1101H (101H), 101, RurlSoc 1105 (105), or equiv. GE soc sci orgs and policies and diversity soc div in the US course.

1101E  Introduction to Sociology (Honors Embedded)  U  3
Fundamentals of sociology and introduction to the analysis of social problems and social interactions, (e.g., wealth, gender, race inequality, family, crime) using sociological theories. Au, Sp, Su Sems. Prereq: Honors standing. Not open to students with credit for 1101 (101), 1101H (101H), or RurlSoc 1105 (105). GE soc sci orgs and policies and diversity soc div in the US course.

2202  Social Problems and Public Policy  U  3
Analysis of contemporary social problems such as inequality, discrimination, and crime.
Prereq: Not open to students with credit for 202.

2209  Introduction to Criminal Justice  U  3
Examination of the development and administration of criminal law and agencies (police, courts, corrections); emphasis on criminal proceedings and their justification.
Prereq: Not open to students with credit for 209.

3410  Criminology  U  3
Theories of delinquency, crime, and criminal careers; scientific aspects of crime measurement.
Prereq: Not open to students with credit for 410.
1430 Statistics for the Business Sciences U 4
Fundamentals of probability and statistics: Data collection and summaries, random variables, simple linear regression, two-way tables, conditional probability, sampling distributions, confidence intervals, hypothesis tests, analysis of variance. Prereq: Math 1131 (132), 1151 (152.xx), 1156, 1161.xx (161.xx), or 1181H (161.xxH), or permission of instructor. Not open to students with credit for 133. GE data only course.

1450 Introduction to the Practice of Statistics U 3
Algebra-based introduction to data analysis, experimental design, sampling, probability, inference, and linear regression. Emphasis on applications, statistical reasoning, and data analysis using statistical software. Prereq: Math 1116 (116) or 1130 (130) or above, or Math Placement Level L or M, or permission of instructor. Not open to students with credit for 2450 (245) or 145. GE data only course.

Theatre

2000.04 Technical Production Practicum: Scenic Construction and Painting U 1
Provides experience in technical production activities. Repeatable to a maximum of 6 cr hrs or 6 completions.

2000.09 Technical Production Practicum: General U 1
Provides experience in technical production activities. Prereq: Not open to students with credit for 205.

2100 Introduction to Theatre U 3
A study of the art and profession of live theatre with emphasis upon its cultural and social influences in our society. Prereq: Not open to students with credit for 210H (101H) or 100. This course is available for EM credit. GE VPA and diversity soc div in the US course. VSP Admis Cond course.

2100E Introduction to Theatre U 3
A study of the art and profession of live theatre with emphasis upon its cultural and social influences in our society. Prereq: Permission of instructor. Not open to students with credit for 210H (101H), 100, or 100H. This course is available for EM credit. GE VPA and diversity soc div in the US course. VSP Admis Cond course.

2367.03 Criticizing Television U 3
Study of theatre history at an intermediate level with emphasis on writing skills. A critical analysis of a wide variety of television programs through viewing, discussing, reading, and writing. Prereq: English 1110 (110) or equiv, and Soph, Jr, or Sr standing. Not open to students with credit for 2367.xx (367.xx) or ArtEduc 2367.03 (367.03). GE writing and comm course: level 2 and diversity soc div in the US course. Cross-listed in ArtEduc.

2811 The Craft of Acting U 3
An introductory acting class exploring the basic techniques of imagination, concentration, and character development with monologues, scenes, and reading note-worthy plays. Prereq: Not open to students with credit for 280. GE VPA course.

3000 Production Run Crew Practicum U 2
Hands-on involvement in the production of live theatre; participating leading to a more thorough understanding of theatre and in particular theatre design and technology. Repeatable to a maximum of 8 cr hrs.

4000.01 Practicum: Stage Management U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Not open to students with credit for 405.01. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.02 Practicum: Sound U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.03 Practicum: Video U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.04 Practicum: Stage Design U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.05 Practicum: Costuming & Makeup U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

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4000.06 Practicum: Lighting U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.07 Practicum: Dramaturgy U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.08 Practicum: Acting U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor, by audition. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.09 Practicum: General U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.11 Practicum: Theatre Management U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.14 Practicum: Technical Direction U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

4000.18 Practicum: Directing U 1-3
Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

5193 Individual Studies U G 1-3
Conference, library, and laboratory work. Prereq: Permission of instructor. Repeatable to a maximum of 12 cr hrs or 4 completions. This course is graded S/U.

Women’s, Gender, and Sexuality Studies

1110 Gender, Sex and Power U 3
Introduces students to the study of gender, sex, and power. We will draw on a variety of literatures to analyze gender, race, sexuality, and other identities. We will place the study of US women in broader transnational contexts. Prereq: Not open to students with credit for 110, 110H, WomStds 101, 101H, 110, or 110H. GE cultures and ideas and soci sci indivs and groups and diversity soc div in the US course.

2230 Gender, Sexuality and Race in Popular Culture U 3
Explores how popular culture generates and articulates our understandings of gender and sexuality and their intersections with race and class. Prereq: Not open to students with credit for 230. GE VPA course.

2367.01 U.S. Women Writers: Text and Context U 3
Writing about and analysis of female experiences as represented in U.S. literature by women; emphasis on interdisciplinary relationships between literature and socio-political history. Prereq: Not open to students with credit for 367.01. GE writing and comm: level 2 and lit and diversity soc div in the US course.