**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 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: 2300 (212), BusMgt 2320 (330), and 2321 (331), or permission of instructor. Not open to students with credit for 525.

**African American and African Studies**

2251 Introduction to African Literature  
An assessment of the oral prose tradition and written prose of African literature; specific emphasis placed on reading from primary sources. Prereq: Not open to students with credit for 251. GE Lit and diversity global studies course.

2281 Introduction to African-American Literature  
A study of representative literary works by African-American writers from 1760 to the present. Prereq: English 1110 (110), or equiv. Not open to students with credit for 281 or English 2281 (281). GE Lit and diversity soc div in the US course. Cross-listed in English.

**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. 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 indvs and groups and diversity global studies course.

2241 The Middle East Close-Up: People, Cultures, Societies  
Introduction to the culture of the Middle East as lived in its villages, towns, and cities. Prereq: Not open to students with credit for 241 or NELC 2241 (241). GE cultures and ideas and diversity global studies course. Cross-listed in NELC.

3420 Regional Survey of the Indians of North America  
Development of culture change in North American Indians. Prereq: Not open to students with credit for 421.08. GE soc sci indvs and groups course.

4597.01 Cultural Conflict in Developing Nations  
Analysis of cultural conflict in developing nations resulting from rapid and extensive technological and social change. Prereq: Jr or Sr standing. Not open to students with credit for 597.01. GE cross-disciplinary seminar course.

5623 Special Topics in Cultural Anthropology: Cultural Ecology  
Theory and ethnographic examples of human-environment interactions, focusing on the role of culture and behavior in environmental adaptation. Prereq: 2202 (202) or equiv, or permission of instructor. Not open to students with credit for 620.05.

**Arabic**

1101.01 Elementary Modern Standard Arabic I  
Developing the ability to use Arabic functionally and communicatively in context; intensive oral interaction with instructor and fellow students; the basics of the writing system. Classroom track. Closed to native speakers of this language. Prereq: Not open to students with credit for 101. This course is available for EM credit. GE for lang course.

1102.01 Elementary Modern Standard Arabic II  
Developing further language ability through learning how to perform certain functions orally and using them with fellow students; reading and writing passages reflecting their abilities. Classroom track. Closed to native speakers of this language. Prereq: 1101, or permission of instructor. Not open to students with credit for 102. This course is available for EM credit. GE for lang course.

1103.01 Intermediate Modern Standard Arabic I  
Building on previously acquired functional abilities; using Arabic to express opinion and feelings; oral interaction in the classroom; reading authentic texts or various genres. Classroom track. Closed to native speakers of this language. Prereq: 1102, or permission of instructor. Not open to students with credit for 104. This course is available for EM credit. GE for lang course.

2241 Culture of the Contemporary Arab World  
A general survey and examination of the socio-cultural structure of the modern Arab World. Taught in English. Prereq: Not open to students with credit for 241. GE culture and ideas and diversity global studies course.

**Art**

2000 Encountering Contemporary Art  
Readings, lectures, discussions and field trips will introduce students to a diverse range of ideas, processes and contexts shaping the experience of visual art today. Prereq: Not open to students with credit for 162 or 200.

2100 Visual Studies: Beginning Drawing  
An introduction to basic freehand drawing, exploration of a range of drawing methods, media, concepts; emphasis on drawing from observation. Prereq: Not open to students with credit for 170, 205, or 205H. This course is available for EM credit. GE VPA course.

2300 Visual Studies: Two Dimensional  
Basic concepts of two-dimensional art dealing with visual structure, process, content, and invention. Prereq: Not open to students with credit for 172, 206, or 210H. This course is available for EM credit. GE VPA course.

2400 Visual Studies: Three-Dimensional  
Basic concepts of three-dimensional art dealing with the organization of space and form, using a variety of materials, processes, tools. Prereq: 2000 (200), 2001, or 205. Not open to students with credit for 182 or 207. This course is available for EM credit.

2500 Visual Studies: Digital Image Manipulation  
Introduction to the creation, manipulation and critical interpretation of graphic and photographic artwork. Includes input and output of digital work as it applies to artists. Prereq: Not open to students with credit for 350.

2555 Photography I - Digital Camera  
Introduces photographic theory, practice, and aesthetics with image production, commercial lab prints and critiques. Student provides digital camera, minimum 6 mp, with full manual controls and exposure compensation available. Prereq: Not open to students with credit for 300.01, 300.02, or 300.024. GE VPA course. VSP Admis Cond course.

**Art Education**

3900 Art & Curriculum Concepts for Teachers  
Problems of teaching in terms of personal knowledge about art, insight into children's art work, and understanding of elementary school curriculum. Prereq: Not open to students with credit for 600. Not open to art education teacher-candidates. Admis Cond course.

**Arts and Sciences**

1101 First or Second Year Seminar  
Seminars on varying topics taught by University faculty. Prereq: Fresh or Soph standing, or permission of instructor. Repeatable to a maximum of 6 or hrs. This course is graded S/U.

1102H Regional Honors Seminar  
Seminars on varying topics taught by University faculty on regional campuses and intended to provide a common experience for Honors students. Prereq: Honors standing, or permission of instructor. Repeatable to a maximum of 6 cr hrs. This course is graded S/U.
2 Arts and Sciences

1191 Non-Credit Internship
Internship conducted under the supervision of the employer; enrollment and evaluation coordinated by ASC Career Services. Student is responsible for finding the internship prior to the start of the term. Requires permission to enroll.
Prereq: GPA 2.0 or above. Repeatable to a maximum of 6 completions. This course is graded S/U.

2120 Information Search, Evaluation and Use
Seven week course covers internet browsing, online information organization and management, and effective search and evaluation strategies. See: http://liblearn.osu.edu/courses.
Prereq: Not open to students with credit for 120.

3191.01 For-Credit Internship
Internship conducted under the supervision of the employer; grade determined by ASC faculty member. Student must obtain the internship before the start of the term, and a signed learning agreement approved by faculty member and employer by first day. Enrollment in an academic department internship course is not permitted during the same term.
Prereq: GPA of 2.50 or above, and Soph standing or above. Repeatable to a maximum of 12 or hrs 4 or 4 completions. This course is graded S/U.

4150 Cultures of Professional Writing
Examine writing in various workplaces. Analyze writing discourse that shapes professional organizations. Explore ongoing technological and cultural shifts required of workplace writers and the role of digital media.
Prereq: English 1110 and any 2367, or equiv. Not open to students with credit for 450.01, 450.02, or 450.03.

4191 Internship in Professional Writing
Students work onsite in an organization doing writing-related work and meet weekly to discuss related topics.
Prereq: 4150, and 2 courses in Professional Writing minor. Repeatable to a maximum of 9 or hrs or 3 completions. This course is graded S/U.

Biology

1101 Introductory Biology
Basic principles of biology; topics include the nature of science, organismal diversity, evolution, ecology, genetics, reproduction, and cellular structure and function. Not intended students majoring in one of the biological sciences.
Prereq: Not open to students with credit for Biology 101, 1113 (113), 1113H, Entomgy 1101 (Entomol 101), or PrNBio 1101 (101). This course is available for EM credit. GE nat sci bio course.

1102 Human Biology
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.
Prereq: Not open to students with credit for Biology 102. This course is available for EM credit. GE nat sci bio course.

1113 Biological Sciences: Energy Transfer and Development
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.
Prereq: Math 1130 (130), 1148, 1150, or above, or Math Placement Level L or M. Prereq or concurs: Chem 1110 (101), 1210 (121), 1610, or 1910H (2010H), 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 Admis Cond course.

1114 Biological Sciences: Form, Function, Diversity, and Ecology
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.
Prereq: Math 1130 (130), 1148, or 1150 or above, or Math Placement Level L or M. Prereq or concurs: Chem 1110 (101), 1210 (121), 1610, or 1910H (2010H), 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 Admis Cond course.

Business Admin: Finance

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

3500 Legal Environment of Business
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.
Prereq: Soph standing. Not open to students with credit for 510.

Business Admin: Marketing & Logistics

4220 Investments I
Skills for valuation and theories and applications of CAPM, APT, and efficient markets.
Prereq: 3220 (620), BusMgt 2320 (330), and 2321 (311). Not open to students with credit for 722.

4222 Investments II
Investment options, forwards and futures, interest rate parity, and relevant market regulation.
Prereq or concurs: 4220. Not open to students with credit for 722.

Business Admin: Management & Human Rsrs

2000 Introduction to International Business
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.
Prereq: Econ 2002.01 (201), and Econ 2001.01 (200) or AEDEcon 2001 (200). Not open to students with credit for BusAdm 555.

2290 Applied Business Skills and Environment I
Introduces students to the concept of capitalism and the role of business organizations in society.
Prereq: Enrollment in Fisher College of Business. Not open to students with credit for BusAdm 499 or 499.01.

2291 Applied Business Skills and Environment II
Enhancement of future business leaders’ ability to resolve ethical issues and understand the ethical issues that leaders commonly face.
Prereq: Soph standing, and enrollment in the Fisher College of Business. Not open to students with credit for BusAdm 499 or 499.01.

3200 Managing Individuals in Organizations: Organizational Behavior and Human Resources
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.
Prereq: Soph standing. Not open to students with credit for 3100 (400) or 701. Not open to students enrolled in UUSS, UXEx or PreBSSBA-PR. This course is available for EM credit.

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

4490 Strategic Management
Introduction to the concepts and analytic tools in the field of strategic management to understand the competitive position of firms.
Prereq: 2290 and 2291, or BusAdm 499; and BusMHR 3200 (701), BusFin 3220 (620), 3500 (510), BusMgt 3230 (630), and BusML 3250 (650); and Sr standing; and enrollment in Fisher College of Business. Not open to students with credit for BusAdm 759. Not open to students in UUSS, UXEx, or PreBSSBA-PR.

Business Admin: Management Sciences

2320 Decision Sciences: Statistical Techniques
Examination of the use of statistical techniques in managerial decision-making processes; statistical inference, simple and multiple regression, time series.
Prereq: Stat 1430 (133), or equiv. Not open to students with credit for 330. This course is available for EM credit.

2321 Business Analytics
Examination of the use of business analytic models used in managerial decision making processes. Emphasis on formulation and interpretation of models; supported by spreadsheet based software.
Prereq: Stat 1430 (133), or equiv, and CSE 2111 (200) or 1113, or equiv. Not open to students with credit for 331.

3230 Introduction to Operations Management: Improving Competitiveness in Organizations
Introduction to operations and supply chain management to improve manufacturing and service organizations; analyzing, controlling and improving resources and processes to increase productivity, generate value-added output and meet business goals.
Prereq: Stat 1430 (133) or equiv. Not open to students with credit for 330 or 630.

4250 Six Sigma Principles
Designed to familiarize students with the Six Sigma process improvement methodology and to provide them an opportunity to practice using Six Sigma Black Belt tools.
Prereq: 2290 (330) and 3230 (630). Not open to students with credit for 710 or 731.
Chemistry

1110 Elementary Chemistry
Introduction to elementary chemistry. Not open to students with credit for 1210 (121), 1250, 1610 (161), 1910H (201H), or 122. This course is available for EM credit. GE nat sci phys course (BA in ASC only). NS Admis Cond course.

1210 General Chemistry I
First course for science majors, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, acids, bases, solutions, chemical equilibrium, and atomic and 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), or 1150 (150), or above. Not open to students with credit for 1250, 1610 (161), 1910H (201H), or 122, or 125. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

1220 General Chemistry II
Continuation of 1210 for science majors, covering solutions, kinetics, chemical equilibria, solubility and ionic equilibria, qualitative analysis, thermodynamics, electrochemistry, descriptive chemistry, coordination compounds, and nuclear chemistry.
Prereq: 1210, 1215, 1290, 1610 (162), 1910H (202H), or 122, and Math Placement Level L or M; or a grade of C- or above in Math 1130 (130), 1131 (131), 1148 (148), or 1150 (150), or above. Not open to students with credit for 1250, 1610 (161), 1910H (201H), 122, or 125. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

1250 General Chemistry for Engineers
First course for engineering majors, covering dimensional analysis, atomic and molecular structure, the mole, stoichiometry, chemical reactions, states of matter, solutions, kinetics, equilibrium, acids and bases, thermodynamics, and electrochemistry.
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), or 1150 (150), or above. Not open to students with credit for 1210, 1610, 1910H, or 125. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

2104 Literature, Science, and Technology
Study of relationships among literature, science, and technology; analysis of representations of science and technology in literature and film of diverse cultures and historical periods.
Prereq: English 1110 (110) or equiv. Not open to students with credit for 2104 (204) or 204. GE lit and diversity global studies course.

2105 Literature and Ethnicity
Study of relationships between literature and ethnicity; analysis of concepts of ethnicity 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 2105 (205). GE lit and diversity global studies course.

2367 Persuasive Communication
Principles of persuasion as reasoned discourse.
Prereq: Soph standing or above, and English 110 or equiv. Not open to students with credit for 2367 (367) or 367. GE writing and comm course: level 2.

Comparative Studies

1100 Intro to the Humanities: Cross-Cultural Perspectives
Explores the role of literature and the arts in constructing, maintaining, and questioning the values and beliefs of diverse cultures and historical periods; topics vary.
Prereq: Not open to students with credit for 1100H (100H) or 100. GE lit and diversity global studies course.

2803 Social and Economic Theory of Work
Role of communication in society; nature, development, and evolution of work; roles of IS, computers, and language in the workplace.
Prereq: Econ 2001. Not open to students with credit for 780. GE soc sci indivs and groups course.

2804 Business Communication and Public Speaking
Concepts and methods used to plan and manage logistics activities in a business environment; in-depth understanding of the components of logistics management and tradeoffs required to manage the integrated flow of goods.
Prereq: Business Program.

Business Admin: Marketing & Logistics

2550 Organic Chemistry Laboratory II
Introduction to spectroscopic characterization, scientific writing, computational chemistry, and the laboratory techniques of organic chemistry, including synthesis, isolation, purification, and identification of organic compounds.
Prereq: 2540 or 2540H. Prereq or concur: 2520, 2520 or 2520H.

2560 Love in World Literature
Representations of love in world literature; emphasis on mythological, psychological, and ideological aspects of love in different cultures and time periods.
Prereq: English 1110 (110) or equiv. Not open to students with credit for 3603H (301H) or 301. GE lit and diversity global studies course.

3250 Principles of Marketing
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.
Prereq: Econ 2001.01 (200), or equiv. Not open to students with credit for 3150 (650) or 450. This course is available for EM credit.

3380 Logistics Management
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.
Prereq: Econ 2001.01 (200), or equiv. Not open to students with credit for 780.

4204 Marketing Projects
In this advanced marketing course students will act as a consulting team and work with a client on a marketing problem, produce a report and present their work.
Prereq: 4201 (750) and 4202 (756), or equiv, or enrollment in regional campus General Business Program.

4380 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 tradeoffs required to manage the integrated flow of goods.
Prereq: 3380.

Business Admin: Marketing & Logistics

2101 Classical Background of Scientific Terminology
An introduction to the Greek and Latin roots of modern scientific terminology, especially medical and pharmaceutical terminology. This is an online-based course. In-person sessions include first-day orientation, midterm, and the final exam.
Prereq: Not open to students with credit for Classics 210.

2202 Classical Civilization: Rome
A survey of the civilization of ancient Rome, concentrating upon important facets of literature, history, art, and archaeology.
Prereq: Not open to students with credit for Classics 225. GE cultures and ideas and diversity global studies course.

2220 Classical Mythology
Personalities and attributes of the Greek and Roman gods and goddesses, their mythology and its influence on Western culture.
Prereq: Not open to students with credit for Classics 222. GE lit and diversity global studies course.

3401 Ancient Greek Religion
Study of ancient Greek religions, including the beginnings of Christianity.
Prereq: Not open to students with credit for Classics 332. GE historical study course.

Communication

1100 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.

1101 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.

2110 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.

2367 Persuasive Communication
Principles of persuasion as reasoned discourse.
Prereq: Soph standing or above, and English 110 or equiv. Not open to students with credit for 2367H (367H) or 367. GE writing and comm course: level 2.

Comparative Studies

1100 Intro to the Humanities: Cross-Cultural Perspectives
Explores the role of literature and the arts in constructing, maintaining, and questioning the values and beliefs of diverse cultures and historical periods; topics vary.
Prereq: Not open to students with credit for 1100H (100H) or 100. GE lit and diversity global studies course.

2104 Literature, Science, and Technology
Study of relationships among literature, science, and technology; analysis of representations of science and technology in literature and film of diverse cultures and historical periods.
Prereq: English 1110 (110) or equiv. Not open to students with credit for 2104 (204H) or 204. GE lit and diversity global studies course.

2105 Literature and Ethnicity
Study of relationships between literature and ethnicity; analysis of concepts of ethnicity 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 2105 (205). GE lit and diversity soc div in the US course.

3603 Film and Literature as Narrative Art
Relationships between film and literature; emergence of cinematic art as a form of representation with emphasis on diverse cultural traditions.
Prereq: English 1110 (110) or equiv. Not open to students with credit for 3603H (358H, 358). GE VPA and diversity global studies course.
4 Computer Science and Engineering

**Computer Science and Engineering**

1222 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.

Prereq: 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.

1211 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 203. This course is available for EM credit. GE quant reason math and logical anly course.

2212 Data Structures Using C++

Introduction to programming in C++ and object-oriented programming; encapsulation using classes, inheritance, etc.

Prereq: 1222 (202). Not open to students with credit for 230.

**Earth Science**

1100 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 phy phys course. NS Admis Cond Course.

1105 Geology of the National Parks

Geologic processes, materials, and history revealed in geologic settings of the National Parks. Not intended for ASC BS students.

Prereq: Not open to students with credit for EarthSci 100, 105, GeoSci100, or 105. GE nat sci phy phys course. NS Admis Cond course.

1121 The Dynamic Earth

Plate tectonics; rock forming processes; climate change; energy resources.

Prereq: Math 1075 (104) or above. Not open to students with credit for EarthSci 121 or GeoSci 121.

This course is available for EM credit. GE nat sci phy phys course. NS Admis Cond course.

1122 Earth Through Time

Origin and evolution of Earth, including its physical, chemical and biological components; principles of geologic inference and their application to interpreting Earth.

Prereq: Not open to students with credit for EarthSci 122 or GeoSci 122. GE nat sci phy phys course. NS Admis Cond course.

**Economics**

2001.01 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 200.02. or 200.03H, or AEDEcon 2001 (203). This course is available for EM credit. GE soc sci human, nat, and econ resources course. SS Admis Cond course.

2002.01 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 2002.02, 2002.03H (201, 201H). This course is available for EM credit. GE soc sci org and polities course.

4001.01 Intermediate Microeconomic Theory

Theory of consumer behavior; theory of the firm; costs and production; factor price determination; general equilibrium.

Prereq: 2001.01, 2001.02 (200), or 2001.03H (200H), and 2002.01, 2002.02 (201), or 2002.03H (201H), or equiv. Not open to students with credit for 4001.02 or 4001.03 (501.01 or 501.02).

**Education: Educational Policy and Leadership**

1259 Individual Learning and Motivation: Strategies for Success in College

Teaches learning and motivation strategies to help students manage time, improve grades, and achieve college success.

Prereq: Not open to students with credit for 259.

2270 Computers in the Classroom: An Introduction

An introduction to educational computing.

Prereq: Not open to students with credit for 370.

2309 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.

4280 History of Modern Education

Development of educational institutions, practices, and theories in the modern world, particularly in U.S., and the social and intellectual movements influencing them.

Prereq: Not open to students with credit for 450.02.

4403 Ethics and the Professional Context of Teaching

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 450.03 or 490.

**Education: Physical Activity and Ed Services**

1102 First Aid and CPR

This course is designed to provide necessary skills to sustain life, reduce pain, and minimize consequences of injuries/fall during an emergency. Course is designed to lead to Red Cross Certification. Lab fees required.

1103 Introduction to Health and Wellness in American Society

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.

1122 Techniques in Cardiopulmonary Resuscitation

Development of skills for situations requiring cardiopulmonary resuscitation measures. Completion designed to lead to certification in CPR/Automatic External Defibrillator (AED). All materials provided. Lab fees required.

Prereq: Not open to students with credit for 122.

1139.03 Introductory Program of Outdoor Pursuits: Backpacking I

Introduction to basic backpacking techniques, equipment, wilderness travel, emergency procedures, and environmental awareness. Travel and subsistence costs for activities will be borne by the student. Student must provide sleeping bag & hiking boots.

Prereq: Permission of instructor. Not open to students with credit for 139.03. This course is graded S/U.

1139.06 Introductory Program of Outdoor Pursuits: Skiing I

Beginning skills and knowledge needed for outdoor skiing. Students must provide equipment.

Prereq: Permission of instructor. This course is graded S/U.

1139.11 Introductory Program of Outdoor Pursuits: Rock Climbing

Basic rock climbing techniques, rope handling, and safety systems will be covered. Must be in good physical condition. Travel and subsistence costs for activities will be borne by the student. Students must provide sleeping bag and climbing equipment.

Prereq: Not open to students with credit for 139.11. This course is graded S/U.

1147 Principles of Fitness and Wellness

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.

1148.02 Conditioning Activities: Jogging

Students will participate in a progressive jogging program in which they will jog from 1-3.5 miles.

Concur: 1147. Not open to students with credit for 1148.01, 1148.03, 1148.04, 1148.05, 1148.06, 1148.07, 1148.08 or 1148.02.

1150.01 Yoga I

Introduction to fundamental techniques and basic yogic principles of pranayama (breath control), asana (posture), relaxation, and meditation; emphasis on major postures.

Prereq: Not open to students with credit for 195.01. This course is graded S/U.

1150.02 Yoga II

Asanas (postures) at the intermediate level of Hatha yoga are introduced; continued development and practice of relaxation and meditative techniques; further exploration of yogic philosophy.

Prereq: 1150.01 or equiv. Repeatable to a maximum of 3 cr hrs.

1196.19 Varsity Squads: Volleyball

Participation as a player on an OSU varsity squad.

Prereq: Must be a member of the OSU varsity volleyball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

2189.01 Field Experience: Intro Experience in a School System

Field experience to explore professional service in school or community settings.

Concur: 2891. Repeatable to a maximum of 6 cr hrs. This course is graded S/U.

2001.01 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 122. This course is available for EM credit. GE soc sci human, nat, and econ resources course.
## Education: Physical Activity and Ed Services

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Type</th>
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<tbody>
<tr>
<td>2204</td>
<td>Sexuality and Health</td>
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<td>5005</td>
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<td>5102</td>
<td>Teaching and Learning of Literacy in Grades Pre-K - 3</td>
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<td>5110</td>
<td>Classroom Communities and Issues of Guidance</td>
<td>U G 3</td>
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<td>5129</td>
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<td>5189</td>
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<td>5191</td>
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<td>Reflective Seminar</td>
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<td>5220</td>
<td>Foundations of Middle Childhood Teaching and Learning</td>
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<td>5225</td>
<td>Reading Multicultural Literature Across Middle Childhood Curricula</td>
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<td>5260</td>
<td>Language Arts Methods for Preservice Middle Childhood Teachers</td>
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<td>5270</td>
<td>Mathematics Methods for Preservice Middle Childhood Teachers</td>
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<td>5275</td>
<td>Science Methods for Preservice Middle Childhood Teachers</td>
<td>U G 3</td>
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Prereq: Not open to students with credit for 650 and 603.

Introduces the foundations and major concerns in middle childhood education using contemporary research, scholarship, and practice, and exploring traditional and newer course materials.

Preliminary teaching strategies for teaching and learning in 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.

Preliminary 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.

Prospective teachers study methods of science instruction and assessment of student learning in grades 4 through 9, with an emphasis on inquiry-based learning and formative assessment of student understanding.

Preliminary to students with credit for 719.

A classroom as communities framework to support teaching and learning and issues of guidance.

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.

Explores 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.

Designed to provide opportunities to examine interesting and effective social studies content knowledge, cultural understandings, and pedagogies for the early childhood learner within global contexts.

Explores the latest findings on avoiding cancer through lifestyle choices and assessment of educational, and community agency settings.

Emphasis is on teaching and learning in educational settings.

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.

Concurrent: 2891. Repeatable to a maximum of 30 cr hrs or 5 completions.

The study of sexuality as an aspect of the healthy individual; the demythologizing of sexual beliefs and behaviors; sexual behavior and attitudes in young adults.

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.

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Preliminary teaching strategies for teaching and learning in middle childhood classrooms.

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Preliminary teaching strategies for teaching and learning in middle childhood classrooms.
6 Education: Teaching and Learning

5280 Social Studies Methods for Preservice Middle Childhood Teachers
Prep: Not open to students with credit for 5278.
Prereq: Not open to students with credit for 1110.01H (110.01H), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 052, 060, or 110.03, or equiv. Provides intensive practice in integrating academic reading and writing. Credit may not count toward graduation in some degree programs. Prep: 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.

5339 Evaluation and Instructional Decision-Making in Literacy
Prereq: 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.

5468 Reading Foundations
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
Prereq: Not open to students with credit for 669.07. Provides intensive practice in the fundamentals of expository writing, as illustrated in the student's own writing and in the essays of professional writers. Prep: Honors standing, and 28 or above on the English section of the ACT or 660 on the verbal section of the SAT; or permission of instructor. 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), 110.01, 110.03, or equiv. This course is available for EM credit. GE writing and comm course: level 1.

5501 Inclusion: Philosophical, Social, and Practice Issues: General Student Body
Philosophical, social, and practice issues related to the inclusion of students with disabilities in the P-12 general education classroom. Prep: Not open to students with credit for 609.07.

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. Prep: Not open to students with credit for 609.70.

6280 Development of 4th and 5th Grade Learners Across the Curriculum
Prereq: Not open to students with credit for 682.

6281 The Social Transitions of 4th and 5th Grade Learners
Focusses on the social and emotional development of the early adolescent in society, home and in the classroom setting. Prep: Not open to students with credit for 681.

6282 Teaching Mathematics, Science and Culture in 4th and 5th Grades
Related to teaching mathematics and science with consideration of pedagogy, content, assessment and equity. Prep: Not open to students with credit for 682.

6283 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. Prep: Not open to students with credit for 683.

6890 M.Ed Capstone Seminar
Seminar to prepare M.Ed students for the comprehensive written examination or approved alternative. Prep: Not open to students with credit for 926.

1109 Writing & Reading
Prereq: 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. Provides intensive practice in integrating academic reading and writing. Credit may not count toward graduation in some degree programs. Prep: 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. Prep: 1109 (109.02) or EduTL1902 (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.

1110.01H Honors First-Year English Composition
Prereq: 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), 110.01, 110.03, or equiv. This course is available for EM credit. GE writing and comm course: level 1.

5339 Evaluation and Instructional Decision-Making in Literacy
Prereq: 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. Provides intensive practice in the fundamentals of expository writing, as illustrated in the student's own writing and in the essays of professional writers. Prep: Honors standing, and 28 or above on the English section of the ACT or 660 on the verbal section of the SAT; or permission of instructor. 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. This course is available for EM credit. GE writing and comm course: level 1.

1193 Individual Studies
Intensive practice in the fundamentals of expository writing. Prep: Permission of Director of First-Year Writing. Concurs: 110.03. Not open to students with credit for 193.03. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded SU.

2201 Selected Works of British Literature: Origins to Present
An introductory survey of British literature from Old English to present covering representative works, authors, and topics. English 2201 (201) is required of non-honors English majors. Prep: 1109 (110.01), or equiv. Not open to students with credit for 2201H (201H), 201, 202, or 220H. GE lit course and diversity global studies course.

2220 Introduction to Shakespeare
Study of selected plays designed to give an understanding of drama as theatrical art and as an interpretation of fundamental human experience. Prep: 1110.01 (110.01), or equiv. Not open to students with credit for 2220H (220H) or 220. GE lit and diversity global studies course.

2260 Introduction to Poetry
Designed to help students understand and appreciate poetry through an intensive study of a representative group of poems. Prep: 1110.01 (110.01) or equiv. Not open to students with credit for 2260H (260H) or 260. GE lit course.

2263 Introduction to Film
Introduction to methods of reading film texts by analyzing cinema as technique, as system, and as cultural product. Prep: 1110.01 (110.01) or equiv. Not open to students with credit for 2263. GE VPA course.

2265 Writing of Fiction I
Practice in the writing of fiction; analysis and discussion of student work, with some attention to general methods of fiction and the publishing situation. Prep: 1110.01 (110.01) or equiv. Not open to students with 10 qtr cr hrs for 265. Repeatable to a maximum of 6 cr hrs.

2266 Writing of Poetry I
Practice in the writing of poetry; emphasis on the student's own work, with reference to established poetic patterns and established poetry. Prep: 1110.01 (110.01) or equiv. Not open to students with 10 qtr cr hrs for 266. Repeatable to a maximum of 6 cr hrs.

2269 Digital Media Composing
A composition course in which students analyze and compose digital media texts while studying complex forms and practices of textual production. Prep: 1110.01 (110.01) or equiv. Not open to students with credit for 4570 (570), 6760 (760), 271, 699, 671, or Linguist 601. GE cultures and ideas course.

2271 Introduction to English Language Study
An introduction to the grammar, history, and social and regional dialects of the English language. Prep: 1110.01 (110.01) or equiv. Not open to students with credit for 4570 (570), 6760 (760), 271, 699, 671, or Linguist 601. GE cultures and ideas course.
2290 Colonial and U.S. Literature
U 3
An introductory study of significant works of U.S. literature from its colonial origins to the present, treating the development of literary history; literary forms and themes; and intellectual and social contexts.
Prereq: 1110.01 (110.01) or equivalent. Either 2290 (290) or 291 is required of non-honors English majors. Not open to students with credit for 2290 (290), 2296H, or 291. GE lit course.

2367.01 Language, Identity, and Culture in the U.S. Experience
U 3
Extends & refines expository writing & analytical reading skills, emphasizing recognition of intertextuality & reflection on compositional strategies on topics pertaining to education & pop culture in America. Only one 2367 (367) decimal subdivision may be taken for credit.
Prereq: 1110.01 (110.01), and Soph standing; or EM credit for 1110.01 (110.01) or equiv; or a declared major in English. Not open to students with credit for 2367.01 (367.01), 210, 267, 267H, 301, 303, or equiv. GE writing and comm: level 2 and diversity soc div in the US course.

2367.02 Literature in the U.S. Experience
U 3
Discussion & practice of the conventions, practices, & expectations of scholarly reading of literature & expository writing on issues relating to diversity within the U.S. experience. Only one 2367 (367) decimal subdivision may be taken for credit.
Prereq: 1110.01 (110.01) or equiv, and Soph standing; or EM credit for 1110.01 (110.01) or equiv; or a declared major in English. Not open to students with credit for 2367.01 (367.01), 210, 267, 267H, 301, 303, or equiv. GE writing and comm: level 2 and lit (BS only) and diversity soc div in the US course.

2367.04 Technology and Science in the U.S. Experience
U 3
Explores how technological changes impact our culture & relationships; students build & expand skills in rhetorical analysis & composition through experimentation with new forms of communication. One 2367 (367) subdivision may be taken for credit.
Prereq: 1110.01 (110.01) or equiv, and Soph standing; or EM credit for 1110.01 (110.01) or equiv; or a declared major in English. Not open to students with credit for 2367.01 (367.01), 210, 267, 267H, 301, 303, 307.04H, or equiv. GE writing and comm course: level 2.

3398 Writing for English Majors
U 3
Prereq: 1110.01 (110.01) or equiv, and declared major in English. Not open to students with credit for 3398H (398H), 302, 398, or 398H. Sr students must have the permission of the Director of Undergraduate Studies.

3467S Issues and Methods in Tutoring Writing
U 3
Theories and practices in tutoring and writing; explores writing-learning connections and prepares students to work as writing consultants/tutors for individuals and small writing groups. Not open to students with credit for 467 or ArtsSci 3467S (HumCoD 467). Cross-listed in ArtsSci.

4520.02 Special Topics in Shakespeare
U 3
Focused study of the works of Shakespeare in relation to a topic or critical problem.
Prereq: 6 credit hours of English at the 2000-3000 level, or permission of instructor. 5 qtr cr hrs or 3 cr hrs for 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with 15 qtr cr hrs or 10 qtr cr hrs for 520.02. Repeatable to a maximum of 9 hrs.

4564.04 Major Author in 20th-Century Literature in English
U 3
Intensive study of one of the major authors of the period.
Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 crhrs. Not open to students with credit for 564.04.

4567S Rhetoric and Community Service: A Writing Seminar
U 3
Service learning course. Critical examination of organizational rhetorics; production of texts in various media for purposes and audiences as indicated by host organizations.
Prereq: 1110.01 (110.01) or equiv, and a 2367 (367) second writing course. Not open to students with 10 qtr cr hrs or 567. Repeatable to a maximum of 6 hrs.

4578 Special Topics in Film
U 3
Examination of particular topics, themes, genres, or movements in cinema; topics may include particular directors (Orson Welles), periods (The Sixties), genres (horror).
Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with 15 qtr cr hrs or 578 or 9 sem cr hrs for 4578 or 4578H. Repeatable to a maximum of 9 cr hrs.

4590.08H U.S. and Colonial Literature
U 3
Intensive study of a topic in colonial and U.S. literature.
Prereq: Honors standing, or permission of instructor. Not open to students with credit for 580.08H.

4591.01H Special Topics in the Study of Creative Writing
U 3
A seminar in literary forms and themes, with a significant creative writing component.
Prereq: Honors standing, and 2265 (265) or 2266 (266) or 2268 (268); or permission of instructor. Not open to students with 10 qtr cr hrs for 591.01H. Repeatable to a maximum of 6 cr hrs.

4592 Special Topics in Women in Literature and Culture
U 3
Using feminist perspectives, students will learn to analyze literature and other cultural works (film, television, digital media) written by or about women. Time period and topic vary.
Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with 10 qtr cr hrs for 592. Repeatable to a maximum of 6 cr hrs.

4597.02 American Regional Cultures in Transition
U 3
Explores American regional cultures to consider the relationship between tradition and change, how to compare cultures, and how politics and economics shape conceptions of culture.
Folklore Minor course.
Prereq: 1110.01 (110.01) or equiv, and Jr or Sr standing. Not open to students with credit for 597.02. GE cross-disciplinary seminar course.

5193 Individual Studies
UG 1-3
Students may register for individual directed study under this number for work not normally offered in courses.
Prereq: Permission of instructor and department undergraduate or graduate committee. Not open to students with 10 qtr cr hrs for 693. Repeatable to a maximum of 9 cr hrs or 9 completions. This course is graded S/U.

5662.01 Literary Publishing
UG 3
Theory and practice of editing and publishing literature.
Prereq: 2265 (265), 2266 (266), or 2268 (268), and permission of instructor. Not open to students with credit for 662.

5662.02 Literary Publishing
UG 3
Theory and practice of editing and publishing literature.
Prereq: 2265 (265), 2266 (266), or 2268 (268), and permission of instructor. Not open to students with credit for 5662 (662). This course is graded S/U.

Environment and Natural Resources

2100 Introduction to Environmental Science
U 3
Introduction to environmental science, the ecological foundation of Introduction to environmental science, the ecological foundation of environmental systems, the ecological impacts of environmental degradation by humans, and strategies for sustainable management of environment and natural resources.
Au, Sp Sem. Prereq: Not open to students with credit for 201. GE nat sci bio course.

Evolution, Ecology and Organismal Biology

2510 Human Anatomy
U 3
An introduction to human anatomy; small mammal dissection.
Prereq: 3 sem cr hrs in Biological Sciences. Not open to students with credit for 253. GE nat sci bio course. NS Admis Cond course.

2520 Human Physiology
U 3
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 253. GE nat sci bio course. NS Admis Cond course.

Exploration

1100.01 University Exploration Survey
U 1
Introduction to the processes 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.

1100.02 University Exploration Survey
U 1
Introduction to the processes of decision making and exploring majors at Ohio State; introduction to the university community; strategies for success transition to and participation in that community; university resources and procedures.
Prereq: Transfer student in Exp, and permission of instructor. Not open to students with credit for a university survey course from another college or with credit for: 1100.01 (100.01), 1100.01H (100.01H), 100.02, 100.03, USAS 100, 100.11, or 100.21.

French

1101.01 Beginning French I Classroom
U 4
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, 1101.1, 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 Admis Cond
8 French

1102.01 Beginning French II Classroom U 4
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, or completion of 4 hrs of 1101.51. Not open to students with credit for 103.01 or with 5 qtr hrs of 103.86. This course is available for EM credit. GE for lang course. FL Admis Cond course.

1103.01 Beginning French III Conversation and Composition U 4
Continued development of listening, speaking, reading and writing with an emphasis on oral and written skills; focus on functional topics and thematic vocabulary. Taught in French.
Prereq: 1101.01 and 1102.01, or completion of 4 hrs of both 1101.51 and 1102.51. Not open to students with credit for 1103 (104), or native speakers of this language through regular course enrollment, or EM credit. Only one decimal subdivision may be taken for credit. This course is available for EM credit. GE for lang course. FL Admis Cond course.

Geography

1900 Introduction to Weather and Climate U 4
Introduction to the characteristics and processes of the Earth's atmosphere and their linkage with other physical systems of the planet and with human activity.
Prereq: Not open to students with credit for 120, 1204, 2960 (220), 5900 (520), or AtmoSc 2940 (230). GE nat sci phys course.

2100 Human Geography U 3
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 U 3
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 200H. GE soc sci human, nat, and econ resources and diversity global studies course. SS Admis Cond course.

3597.01 World Urbanization U 3
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 (450) or 597.01. GE cross-disciplinary seminar course.

3600 Space, Power and Political Geography U 3
Political geographic thought; territory and territoriality; borders and scale; space, power and uneven development; states and statecraft; and the politics of nations, regions and localities.
Prereq: Not open to students with credit for 460 or 460H. GE soc sci org and polities course.

Hebrew

2241 Culture of Contemporary Israel U 3
An introduction to the Culture of modern Israel: historical roots, socio-political institutions and developments, and literary and artistic creations reflecting the realities of contemporary Israeli society.
Prereq: Not open to students with credit for 241. GE cultures and ideas and diversity global studies course.

2702 Modern Hebrew Literature in Translation U 3
A survey of major themes and topics in Modern Hebrew literature from the middle of the 19th century to the present.
Prereq: English 1110 (110). Not open to students with credit for 372. GE lit and diversity global studies course.

2703 Prophecy in the Bible and Post-Biblical Literature U 3
The dynamics of Israeltite prophecy and apocalyptic in the context of ancient Near Eastern culture.
Prereq: English 1110 (110). Not open to students with credit for 373. GE lit and diversity global studies course.

2704 History of American Religion to the Civil War U 3
History of religion in America from the colonial era through the Civil War.
Prereq or concurs: English 1110.xx. Not open to students with credit for 578. GE historical study course.

2800 Introduction to the Discipline of History U 3
Investigation of the methods and analytical approaches historians use to understand the past.
Prereq or concurs: English 1110.xx. Not open to students with credit for 398. GE historical study course.

2940 (230) History of Modern Africa, 1800 - 1960s U 3
Thematic survey of African history from 1800 to the 1960s.
Prereq or concurs: English 1110.xx. Not open to students with credit for 350 or AfrAmASt 350. GE historical study course.

2610 Introduction to Women and Gender in the U.S. U 3
Survey of women and gender from pre-European settlement to present, with particular attention to differences among women.
Prereq or concurs: English 1110.xx. Not open to students with credit for 325. GE historical study and diversity soc div in the US course.

2650 The World since 1914 U 3
Global perspective on major forces that shaped the world since 1914. Provides students with factual knowledge and a critical interpretive framework for responsible global citizenship.
Prereq or concurs: English 1110.xx. Not open to students with credit for 597. GE historical study course.

2750 Natives and Newcomers: Immigration and Migration in U.S. History U 3
General survey of (m)igration history in the U.S. from precolonial times to the present. Topics include cultural contact, economic relations, citizenship, politics, family, and sexuality.
Prereq or concurs: English 1110.xx. Not open to students with credit for 322. GE historical study and diversity soc div in the US course.

2750E Natives and Newcomers: Immigration and Migration in U.S. History U 3
General survey of (m)igration history in the U.S. from precolonial times to the present. Topics include cultural contact, economic relations, citizenship, politics, family, and sexuality.
Prereq: Honors standing, or permission of instructor. Prereq or concurs: English 1110.xx. Not open to students with credit for 322, 322H, or WGS1 2750H (322H). GE historical study and diversity soc div in the US course.

2752 Social Reform Movements in U.S. History U 3
Explores organized movements for social change from 1830 to 1970s, including antislavery, women's rights, temperance, utopias, Populists, Progressives, African-American, American Indian and Chicano rights. Sometimes this course offered at distance.
Prereq or concurs: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

2798 Study Tour U 1-6
Specific content, location, semester(s) of offering, and prerequisites vary; contact department office for details.
Prereq or concurs: English 1110.xx. Not open to students with credit for 698.01 or 698.02. Repeatable to a maximum of 27 cr hrs or 9 completions.

3010 Colonial North American to 1763 U 3
The history of colonial and native societies in North America from first contacts to the eve of the imperial crisis.
Prereq or concurs: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 556. GE historical study course.

3015 From the New Era to the New Frontier, 1921-1963 U 3
Advanced study of U.S. social, political, cultural, foreign policy history, 1921 to 1963, covering New Era, New Deal, WWII, Cold War, Eisenhower Republicanism, New Frontier.
Prereq or concurs: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 565. GE historical study course.

3020 19th Century American Ideas U 3
Urbanism, evangelicalism, slavery, Darwinism, Modernism, Anti-modernism.
Prereq or concurs: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 579.01. GE historical study course.

3040 The American City U 3
History of the American city (urban-suburban) from colonial times to the early 21st century. Sometimes this course is offered in a distance-only format.
Prereq: English 1110.xx and any History 2000-level course, or permission of instructor. GE historical study and diversity soc div in the US course.

3270 History of World War I U 3
Origins, conduct, and consequences of the First World War in global context.
Prereq or concurs: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 311. GE historical study course.

3310 History of African Cinema U 3
Emergence and development of African cinema as a film genre and part of material culture. European colonial and ethnographic film to modern African cinema. Sometimes this course is offered in a distance-only format.
Prereq: English 1110.xx and any History 2000-level course, or permission of instructor. Not open to students with credit for AfrAmASt 3320. GE historical study and diversity global studies course. Cross-listed in AfrAmASt 3320.
History 9

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 area 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 area 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, 1148, or 150, or credit for 130, 148, or 150, or Math Placement Level L. Not open to students with credit for 1151 (151) or above, or 1134 (132). This course is available for EM credit. GE quant reason math and logical anly course.

1146 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 Math courses numbered 1150 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

1148 Trigonometry U 3
Trigonometric functions and their properties. Vectors, polar coordinates and complex numbers.
Prereq: A grade of C- or above in 1148, or Math Placement Level M. 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 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 1144, 1151, 1156, 114, 152.xx, 161.xx, or 161.01H. Not open to students with credit for any higher numbered Math class, or with 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 1144, 1151, 1156, 114, 152.xx, 161.xx, or 161.01H. Not open to students with credit for 1152, 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.

2173 Engineering Mathematics B U 3
Multiple integrals, line integrals, vector fields, second order ordinary differential equations.
Prereq: 1172 or 1544 (154). Not open to students with credit for 2153, or for any Math course 2173 or above, or for any quarter-system Math course 254.xx or above.

2174 Linear Algebra and Differential Equations for Engineers U 3
Matrix theory, eigenvectors and eigenvalues, ordinary and partial differential equations.
Prereq: 2153, 2173, or 254.xx, and major in ENG, Physics, or Chem; or permission of math department. Not open to students with credit for both 2410 (416.xx) and 2569 (569 or 571), or with credit for 5520H (520H and 521H).
### Mechanical Engineering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>Statics</td>
<td>U 2</td>
<td>Vector concepts of static equilibrium for isolated and connected bodies, centroids, inertia, truss, frame and machine analysis, and friction.</td>
</tr>
<tr>
<td>2300</td>
<td>Dynamics</td>
<td>U 3</td>
<td>Dynamics of particles and rigid bodies; linear and angular motion; work and energy; and single degree of freedom vibration analysis.</td>
</tr>
<tr>
<td>2203.03</td>
<td>University Chorus</td>
<td>U 1-2</td>
<td>Selected choral works are studied and performed. Pre Req: Admission by audition only. Repeatable to a maximum of 16 cr hrs or 8 completions. VSP Admis Cond course.</td>
</tr>
<tr>
<td>1100</td>
<td>Introduction to Philosophy</td>
<td>U 3</td>
<td>Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion. Pre Req: Not open to students with credit for 101 or 101H. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1300</td>
<td>Introduction to Ethics</td>
<td>U 3</td>
<td>The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts. Pre Req: Not open to students with credit for 130 or 130H. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1332</td>
<td>Ethics in the Professions: Introduction to Engineering</td>
<td>U 3</td>
<td>An examination of contemporary issues in engineering ethics in the context of major ethical theories. Pre Req: Not open to students with credit for 1300 or 131. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1500</td>
<td>Introduction to Logic</td>
<td>U 3</td>
<td>Deduction and induction; principles of clear statement and valid reasoning; fallacies; and the methods by which theories and laws are established. Pre Req: Math 1075 or equiv. Not open to students with credit for 1501 (151) or 150. GE quant reason math and logical airy course.</td>
</tr>
<tr>
<td>2860</td>
<td>Science and Religion</td>
<td>U 3</td>
<td>A philosophical examination of the relationship between science and religion, concentration on issues regarding the creation of the universe and the origins of life. Pre Req: Not open to students with credit for 170. GE cultures and ideas course. Cross-listed in CompStd 2670.</td>
</tr>
<tr>
<td>1107.01</td>
<td>Physics by Inquiry: Circuits, Light and Optics, and Astronomy</td>
<td>U 5</td>
<td>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. Pre Req: Not open to students with credit for 107 and 108. GE nat sci phy is course. NS Admis Cond course.</td>
</tr>
<tr>
<td>1200</td>
<td>Mechanics, Kinematics, Fluids, Waves</td>
<td>U 5</td>
<td>Algebra-based introduction to classical physics: Newtons laws, fluids, waves. Pre Req: 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 phy is course. NS Admis Cond course.</td>
</tr>
</tbody>
</table>

### Music

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</tr>
</thead>
<tbody>
<tr>
<td>2250</td>
<td>Music Cultures of the World</td>
<td>U 3</td>
<td>A survey of musical cultures outside the Western European tradition of the fine arts. Pre Req: Not open to students with credit for 250. GE VPA and diversity global studies course. VSP Admis Cond course.</td>
</tr>
<tr>
<td>2252</td>
<td>History of Rock 'n Roll</td>
<td>U 3</td>
<td>The history and culture of rock 'n roll. Pre Req: Not open to students with credit for 252. GE VPA course.</td>
</tr>
<tr>
<td>3370</td>
<td>Music for Elementary Teachers</td>
<td>U 2</td>
<td>Music literature and teaching aids for children, including singing, rhythmic, creative, and listening experiences, and their presentation. Pre Req: Not open to students with credit for 370.</td>
</tr>
</tbody>
</table>

### Philosophy

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<tbody>
<tr>
<td>1100</td>
<td>Introduction to Philosophy</td>
<td>U 3</td>
<td>Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion. Pre Req: Not open to students with credit for 101 or 101H. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1300</td>
<td>Introduction to Ethics</td>
<td>U 3</td>
<td>The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts. Pre Req: Not open to students with credit for 130 or 130H. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1332</td>
<td>Ethics in the Professions: Introduction to Engineering</td>
<td>U 3</td>
<td>An examination of contemporary issues in engineering ethics in the context of major ethical theories. Pre Req: Not open to students with credit for 1300 or 131. GE cultures and ideas course.</td>
</tr>
<tr>
<td>1500</td>
<td>Introduction to Logic</td>
<td>U 3</td>
<td>Deduction and induction; principles of clear statement and valid reasoning; fallacies; and the methods by which theories and laws are established. Pre Req: Math 1075 or equiv. Not open to students with credit for 1501 (151) or 150. GE quant reason math and logical airy course.</td>
</tr>
<tr>
<td>2860</td>
<td>Science and Religion</td>
<td>U 3</td>
<td>A philosophical examination of the relationship between science and religion, concentration on issues regarding the creation of the universe and the origins of life. Pre Req: Not open to students with credit for 170. GE cultures and ideas course. Cross-listed in CompStd 2670.</td>
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### Physics

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</thead>
<tbody>
<tr>
<td>1100</td>
<td>Introduction to Psychology</td>
<td>U 3</td>
<td>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. Pre Req: Not open to students with credit for 100, 100H, or 100E. This course is available for EM credit. GE soc sci indivus and groups and diversity soc div in the US course.</td>
</tr>
<tr>
<td>2220</td>
<td>Data Analysis in Psychology</td>
<td>U 3</td>
<td>Discussion of statistical analysis of psychological data - random samples, graphical and numerical techniques of descriptive statistics, correlation, regression, probability, sampling distribution, and hypothesis testing. Pre Req: 1100(100) or 1100H(100H), and Stat 1450 (145). Math 1148 (148), Math 1149, 1150 (150), 1251.xx (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.</td>
</tr>
</tbody>
</table>
2300 Research Methods in Psychology U 3
An overview of issues, methods, and techniques of 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.

2367 Social Psychology U 3
Survey of group processes as they affect individual behavior; topics include individual motivation, group behavior, attitudes, and perception of self and others.
Prereq: 1100 (100) or 1100H (100H), and English 1110.01, 1110.01H, 1110.02, 1110.02H, 1110.03, 110, or 111, or equiv, and Soph standing or above. Not open to students with credit for 3325 (325), 3325H (325H), or 367.01. GE writing and comm: level 2 and soc sci indivs and groups course.

2376 Interpersonal Relationships U 3
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.

3191 Internship in Psychology U 1-12
Provides psychology majors with an opportunity to intern in a professional setting to integrate academic knowledge with experience in the world of work. Maximum 3 credit hours may be applied to the undergraduate Psychology major.
Prereq: 1100 (100) or 1100H (100H), and GPA 2.8 or above, and enrollment in Psych, and permission of instructor. Not open to students with credit for 489. Repeatable to a maximum of 15 cr hrs or 5 completions. This course is graded S/U.

3193.01 Individual Studies in Psychology U 1-5
Specialized academic project by individualized agreement between instructor and student. Maximum 3 credit hours may be applied to the undergraduate major in psychology.
Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs or 4 completions. This course is graded S/U.

3305 Drugs and Behavior U 3
Introduction to the psychology of licit and illicit psychoactive drug use.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 305 or 597.01.

3312 Memory and Cognition U 3
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 U 3
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 U 3
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 U 3
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.

3375 Stereotyping and Prejudice U 3
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.

3550 Psychology of Childhood U 3
Introduction to the major phenomena, methods, theories, and findings of developmental psychology, especially as they apply to infancy and childhood.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 550 or 550H.

3551 Psychology of Adolescence U 3
An examination of the biological, psychological, and social aspects of normal adolescent development.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 551.

4485 Psychology and the Law U 3
Contributions of psychological theories to the legal system and the role of mental health professionals in this system.
Prereq: 1100 (100) or 1100H (100H), or permission of instructor. Not open to students with credit for 485.

4505 History of Psychology U 3
Development of psychology from the 19th century to present status as science and profession. Emphasis on contributions and lives of psychologists.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 505.

4515 Psychology of Emotion U 3
An examination of emotion focusing on how emotions are interconnected to other basic psychological processes such as cognition, motivation, decision making, and well-being.
Prereq: 1100 (100) or 1100H (100H), and 2300 (300). Not open to students with credit for 515.
12 Sociology

2210 Sociological Aspects of Deviance U 3
Study of the definition, identification, treatment, and control of types of legal, moral, and status deviance, such as crime, mental illness, alcoholism, and other individual pathologies. Au, Sp Sem. Prereq: Not open to students with credit for 210. GE soc sci indiv and groups course.

2211 Corrections: An Inside-Out Course U 3
Examines theory and policy, and is comprised of OSU students and prison inmates with class meetings held in a local state prison. Prereq: 2209 (209), and permission of instructor. Not open to students with credit for 211.

2310 Sociology of Gangs U 3
Broad range of topics related to gang activity with a focus on why individuals join gangs, societal consequences of gangs, and social policy. Prereq: Not open to students with credit for 310.

2320 Sociology of Education U 3
Current social trends as they affect education; backgrounds of school children, social status of teachers, role of power and bureaucracy. Prereq: Not open to students with credit for 320.

2345 The Social Structure of American Society U 3
An exposition of the structural patterns of American society, using sociological theories and data to form an integrated perspective. Prereq: Not open to students with credit for 345. GE soc sci orgs and polities course.

2380 Racial and Ethnic Relations in America U 3
Historical and contemporary study of race and ethnicity in the U.S. with a focus on relations within and between groups. Prereq: Not open to students with credit for 380. GE soc sci indivs and groups course.

3463 Social Stratification: Race, Class, and Gender U 3
The study of social inequality with a focus on inequalities by class and status, race and ethnicity, and gender. Prereq: Not open to students with credit for 464. GE soc sci human, nat, and econ resources course.

3488 Introduction to Sociological Theory U 3
Introductory statement of the nature of sociological theory, its basic problems, assumptions, major types and orientations, and principal contributions to the discipline. Prereq: 3 cr hrs taken at 2000-3000 level. Not open to students with credit for 488.

3597.01 World Problems in Global Context U 3
Sociological analysis of contemporary world societies - non-industrialized, industrializing, and industrialized - with special attention to major social institutions and patterns of social change. Prereq: Not open to students with credit for 597.01. GE cross-disciplinary seminar course.

Spanish

1101.01 Spanish I U 4
Development of listening, reading, speaking, and writing skills in cultural contexts. Not open to native speakers of this language through regular course enrollment or EM credit or to students with 2 or more years of high school Spanish. Prereq: Not open to students with credit for 101.01, 102.01, or 102.06. This course is available for EM credit. GE for lang course. FL Admins Cond course.

1102.01 Spanish II U 4
Further development of listening, reading, speaking, and writing skills in cultural contexts. Closed to native speakers of this language. Prereq: 1101.01 or equiv. Not open to students with credit for 102.01 or 102.06. This course is available for EM credit. GE for lang course. FL Admins Cond course.

1103.01 Spanish III U 4
Continuing development of listening, reading, speaking, and writing skills in cultural contexts. A grade of C- or above is required to continue to 2000 (200) level courses. Not open to native speakers of this language through regular course enrollment or EM credit. Prereq: 1102.01 (103.01), or 1155 (103.66). This course is available for EM credit. GE for lang course. FL Admins Cond course.

Statistics

1350 Elementary Statistics U 3

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), 1161.xx, or 1181H (161H), or permission of instructor. Not open to students with credit for 133. GE data any course.

1440 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 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 any course.

1470 Introduction to Probability and Statistics for Engineers U 3
Introduction to probability, Bayes theorem; discrete and continuous random variables, expected value, probability distributions; point and interval estimation; hypothesis tests for means and proportions; least squares regression. Prereq: Math 1152, 1161.xx, 1172, 1181H, 153 or 254, or equiv, or permission of instructor. Not open to students with credit for 3450, 3460, 427, or 428. GE data any course.

Swahili

1101 Elementary Swahili I U 4
Development of oral proficiency in Swahili through basic listening, speaking, and reading skills using a competency-based curriculum. Not open to native speakers of the language through regular course enrollment. Prereq: Not open to students with credit for 101. This course is available for EM credit. GE for lang course.

1102 Elementary Swahili II U 4
Continuation of 1101; further work on developing oral proficiency in Swahili through basic listening, speaking, and reading skills using a competency-based curriculum. Not open to native speakers of the language through regular course enrollment. Prereq: 1101. Not open to students with credit for 102. This course is available for EM credit. GE for lang course.

1103 Elementary Swahili III U 4
Continuation of 1102; further work on developing oral proficiency in Swahili through basic listening, speaking, and reading skills using a competency-based curriculum. Not open to native speakers of the language through regular course enrollment. Prereq: 1102. Not open to students with credit for 104. This course is available for EM credit. GE for lang course.

Theatre

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 Admins Cond course.

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 soc 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.

2367.04 Black Women Writers: Text and Context U 3
Writing and analysis of black women’s literary representations of issues in United States social history. Prereq: English 1110 (110), or Soph standing. Not open to students with credit for 367.04. Cross-listed in AfrAmSt: GE writing and comm: level 2 and diversity soc div in the US course.

3317 Hollywood, Women, and Film U 3
A critical survey of the rep. of women in Hollywood cinema, examples drawn from the 1930's to present. Learn how film has functioned in its representation of women and how and why women film makers have created alternative visions of women in film. Prereq: Not open to students with credit for 317. GE VPA course.