### Accounting and Management Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>2200</td>
<td>Introduction to Accounting I</td>
<td>3</td>
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<tr>
<td>2200.01</td>
<td>Human Anatomy</td>
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<tr>
<td>2300</td>
<td>Introduction to Accounting II</td>
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<tr>
<td>2367.01</td>
<td>Visual Culture: Investigating Diversity &amp; Social Justice</td>
<td>3</td>
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<tr>
<td>2400</td>
<td>Visual Studies: Three-Dimensional</td>
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<tr>
<td>3900</td>
<td>Art &amp; Curriculum Concepts for Teachers</td>
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### African American and African Studies

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<td>2080</td>
<td>African American History to 1877</td>
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### American Sign Language

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<td>1102</td>
<td>Elementary American Sign Language II</td>
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### Anthropology

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<td>2200</td>
<td>Introduction to Physical Anthropology</td>
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### Arts

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<tr>
<td>2000</td>
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<td>2100</td>
<td>Visual Studies: Beginning Drawing</td>
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<td>2200</td>
<td>Visual Studies: Expanded Media</td>
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<td>Visual Studies: Two Dimensional</td>
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### Anatomy

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### Art Education

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<td>Art and Music Since 1945</td>
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<tr>
<td>2367.01</td>
<td>Visual Culture: Investigating Diversity &amp; Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>3900</td>
<td>Art &amp; Curriculum Concepts for Teachers</td>
<td>2</td>
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</table>
2 Arts and Sciences

2120 Information Search, Evaluation and Use U 2
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.

Biology

1101 Introductory Biology U 4
Basic principles of biology; topics include the nature of science, organismal diversity, evolution, ecology, genetics, reproduction, and cellular structure and function. Not intended for students majoring in one of the biological sciences.
Prereq: Not open to students with credit for Biology 101, 1113 (113), 1113H, Entmgy 1101 (Entmol 101), or PiniBio 1101 (101). 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.
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 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.
Prereq: Math 1130 (130), 1148, or above, or Math Placement Level L or M. Prereq or concur: 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 Admis 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.
Prereq: Math 1130 (130), 1148, or 1150 or above, or Math Placement Level L or M. Prereq or concur: 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 Admis Cond course.

Business Admin: Finance

3220 Business Finance U 3
Introductory finance class which allows students 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 concur: AcctMIS 2300 (212). Not open to students with credit for 620. This course is available for EM credit.

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

4222 Investments II U 1.5
Investment options, forwards and futures, interest rate parity, and relevant market regulation. Prereq or concur: 4220. Not open to students with credit for 722.

Business Admin: Management & Human Rsrs

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.
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 U 1.5
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 U 1.5
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 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.
Prereq: Soph standing. Not open to students with credit for 7101 (400) or 701. Not open to students enrolled in UUSS, UExp 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.
Prereq: 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.
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 799. Not open to students in UUSS, UExp, or PREBSBA-PR.

Business Admin: Management Sciences

3230 Introduction to Operations Management: Improving Competitiveness in Organizations U 3
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 3130 (430) or 630.

4250 Six Sigma Principles U 3
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: 2320 (330) and 3230 (630). Not open to students with credit for 710 or 731.

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

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.
Prereq: 4201 (750) and 4202 (758), or equiv, or enrollment in regional campus General Business Program.
**Chemistry**

1110 Elementary Chemistry U 5
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 (201H), or 102. This course is available for EM credit. GE nat sci phys course (BA in ASC only). NS Admis Cond course.

1210 General Chemistry I U 5
First course for science majors, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, thermodynamics, electron configuration, 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 1250, 1610 (162), 1910H (202H), 122, or 125. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

1220 General Chemistry II U 5
Continuation of 1210 for science majors, covering solutions, kinetics, chemical equilibrium, solubility and ionic equilibria, qualitative analysis, thermodynamics, electrochemistry, descriptive chemistry, coordination compounds, and nuclear chemistry.
Prereq: 1210, 1215, 1250, 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 1620 (163), 1920H (203H), or 123. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

1250 General Chemistry for Engineers U 4
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.

**Classics**

1101 Introduction to Classical Literature U 3
Introductory survey of the Greek and Roman achievement in literature and its contribution to Western thought; selected readings in English translation in major authors from Homer to Boethius. GE lit and diversity global studies course.

2220 Classical Mythology U 3
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.

2220H Classical Mythology U 3
Personalities and attributes of the Greek and Roman gods and goddesses, their mythology and its influence on Western culture. Honors standing, or permission of department or instructor. Not open to students with credit for Classics 222 (Classics 222) or 222H. GE lit and diversity global studies course.

**Communication**

1100 Communication in Society U 3
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 U 3
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 U 3
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.
4 Computer Science and Engineering

2111 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 only course.

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 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 phys course. NS Admis Cond course.

1112 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 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 phys course. NS Admis Cond course.

2203 Environmental Geoscience
Concepts and challenges of geological hazards and resources, environmental pollution, and health; regional and long-range planning; and global change and sustainability.
Prereq: Not open to students with credit for EarthSci 203 or GeoSci 203. GE nat sci phys course. NS Admis Cond course.

2206 Principles of Oceanography
Introduction to the four basic disciplines of oceanography: geological, chemical, physical, and biological. Relevance of oceanography in contemporary issues.
Prereq: Not open to students with credit for EarthSci 206 or GeoSci 206. GE nat sci phys course.

Economics

1100.01 Current Economic Events in Historical Perspective
Introduction to economic analysis; historical background for interpreting current economic events. Discuss current issues in a historical context, including topics like taxes and unemployment. A one-course introduction to economics.
Prereq: Not open to students with credit for 110.01. GE soc sci human, nat, and econ resources course.

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 2001.02, or 2001.03H, or ADE Econ 2001 (200). 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 orgs and polities course.

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.

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.

3206 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.

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 650.03 or 690.

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 injury/injury 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.

1139.01 Introductory Program of Outdoor Pursuits: Scuba II
Introduction to fresh water diving. Student responsible for travel and activity costs. Student must provide wetsuit (rentals may be available).
Prereq: 1179 or equivalent, and permission of instructor. Not open to students with credit for 139.01. This course is graded S/U.

1143.01 Badminton I
Beginning skills and knowledge essential for playing badminton.
Prereq: Not open to students with credit for 143.01.

1144.02 Basketball Men
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
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
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.

1148.06 Conditioning Activities: Rhythmic Aerobics
Students will participate in a progressive aerobics program that will include: step, body sculpting, zumba, and boot camp style training.
Concur: 1147. Not open to students with credit for 1148.01, 1148.02, 1148.03, 1148.04, 1148.05, 1148.07, 1148.08 or 148.06.
1150.02  Lifetime Fitness and Wellness  
Cardiovascular Exercise Training  
U  2  
Online course that promotes principles of fitness and wellness over the lifespan.  
Prereq: Not open to students with credit for 1148.05, 1149.05, or 150.

1152.01  Social Dance I Women  
U  1  
Introduction to basic steps and variations of selected dances such as the foxtrot, waltz, and swing. Limited to women only.  
Prereq: Not open to students with credit for 152.01.

1152.02  Social Dance I Men  
U  1  
Introduction to basic steps and variations of selected dances such as the foxtrot, waltz, and swing. Limited to men only.  
Prereq: Not open to students with credit for 152.02.

1154.01  Fencing I  
U  1  
Basic skills and knowledge needed for foil fencing.  
Prereq: Not open to students with credit for 154.01.

1154.02  Fencing II  
U  1  
Continuation of 1154.01 with emphasis on the bout.  
Prereq: 1154.01 or equiv. Not open to students with credit for 154.02. Repeatable to a maximum of 2 cr hrs or 3 completions.

1155.01  Physical Fitness Training for the ROTC: Army  
U  1  
Designed to allow ROTC student to demonstrate improvement in overall physical conditioning, body composition, and general health.  
Prereq: Must be enrolled in Army ROTC. Repeatable to a maximum of 9 cr hrs. This course is graded S/U.

1156  Flag Football  
U  1  
Fundamental skills of flag football.  
Prereq: Not open to students with credit for 156.03.

1169.04  Martial Arts Forms: Karate I  
U  1  
Introduction to the fundamental forms and techniques of Karate.  
Prereq: Not open to students with credit for 169.07.

1169.07  Martial Arts Forms: Tae Kwon Do I  
U  1  
Beginning course in the Korean martial art form; includes etiquette, basic blocking, thrusting and kicking techniques, and self defense.  
Prereq: Not open to students with credit for 169.13.

1169.09  Martial Arts Forms: T’ai Chi Ch’uan I  
U  1  
An introduction to T’ai Chi Ch’uan with emphasis on an exploration of body/energy awareness.  
Prereq: Not open to students with credit for 169.16.

1172.01  Self Defense Women  
U  1  
Skills and understandings essential to defend oneself against an aggressor with emphasis on avoiding attack.  
Prereq: Limited to women only. Not open to students with credit for 172.01.

1174  Soccer  
U  1  
Techniques and knowledge essential for playing soccer.  
Prereq: Not open to students with credit for 174.

1185.01  Table Tennis I  
U  1  
Beginning skills and knowledge essential for playing table tennis with emphasis on the use of backspin and topspin in the singles game.  
Prereq: Not open to students with credit for 185.01.

1185.02  Table Tennis II  
U  1  
Continuation of 1185.01 with emphasis on advanced strokes and their application in the playing of singles and doubles.  
Prereq: 1185.01 or equiv. Repeatable to a maximum of 3 cr hrs.

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

1191.02  Volleyball II  
U  1  
Continuation of power volleyball fundamental skill perfection and game strategies woven to produce an intermediate playing experience.  
Prereq: 1191.01 or equiv. Repeatable to a maximum of 3 cr hrs.

1196.01  Varsity Squads: Baseball  
U  2  
Participation as a player on an OSU varsity squad.  
Prereq: Must be a member of the OSU varsity baseball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

1196.02  Varsity Squads: Basketball  
U  2  
Participation as a player on an OSU varsity squad.  
Prereq: Must be a member of the OSU varsity basketball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

1196.07  Varsity Squads: Golf  
U  2  
Participation as a player on an OSU varsity squad.  
Prereq: Must be a member of the OSU varsity golf squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

1196.14  Varsity Squads: Softball  
U  2  
Participation as a player on an OSU varsity squad.  
Prereq: Must be a member of the OSU varsity softball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

1196.19  Varsity Squads: Volleyball  
U  2  
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  
U  3  
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.

2204  Sexuality and Health  
U  2  
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.  
Prereq: Not open to students with credit for 204.

2221.01  Sports Officiating: Baseball  
U  1  
Study of playing rules, rule interpretation, techniques, and mechanics of officiating interscholastic and intercollegiate baseball. Satisfactory evidence of playing skill in the elected athletic sport.  
Prereq: Not open to students with credit for 221.01.

2221.02  Sports Officiating: Basketball  
U  1  
Study of playing rules, rule interpretation, techniques, and mechanics of officiating interscholastic and intercollegiate basketball. Satisfactory evidence of playing skill in the elected athletic sport is required.  
Prereq: Not open to students with credit for 221.02.

2250  Cancer Prevention  
U  2  
Discussion of the latest findings on avoiding cancer through lifestyle choices and assessment of one's family health history.  
Prereq: Not open to students with credit for 250.

2270.01  Seminar: Self-Career Development  
U  2  
Designed to provide opportunities for self-exploration and skill development; exploration of and clarification of vocational and educational interests.  
Prereq: Not open to students with credit for 270.01. This course is progress graded (S/U).

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.  
Prereq: 2289.01. Concur: 2189.01. Repeatable to a maximum 4 cr hrs with written permission.

3312  Issues in Alcohol/Drug Use and Abuse  
U  2  
Provides an understanding of the dynamics of substance abuse.  
Prereq: Not open to students with credit for 312.
**Education: Physical Activity and Ed Services**

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<th>Title</th>
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<td>AIDS Awareness</td>
<td>U 2</td>
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<tr>
<td>4245</td>
<td>Leadership &amp; Programming in Sports Industry</td>
<td>U 3</td>
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<tr>
<td>5650</td>
<td>Introduction to Exceptional Children</td>
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<tr>
<td>2189</td>
<td>Field Experience</td>
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<td>2367</td>
<td>Education, Society and Writing</td>
<td>U 3</td>
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<tr>
<td>2368</td>
<td>Introduction to Children's Literature</td>
<td>U 3</td>
</tr>
<tr>
<td>3160</td>
<td>Elementary Education: Child Guidance</td>
<td>U 3</td>
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<tr>
<td>4174</td>
<td>Family Participation in Early Childhood School Program: General Student Body</td>
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<tr>
<td>4189</td>
<td>Advanced Field Experience</td>
<td>U 1-4</td>
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<tr>
<td>5102</td>
<td>Teaching and Learning of Literacy in Grades Pre-K - 3</td>
<td>U G 3</td>
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<tr>
<td>5108</td>
<td>Teaching and Learning of Mathematics in Grades Pre-K - 3</td>
<td>U G 2-3</td>
</tr>
<tr>
<td>5110</td>
<td>Classroom Communities and Issues of Guidance</td>
<td>U G 3</td>
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**Education: Teaching and Learning**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>U Credits</th>
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<tbody>
<tr>
<td>5123</td>
<td>Early Childhood Pedagogy</td>
<td>U G 2</td>
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<tr>
<td>5129</td>
<td>Teaching and Learning of Science in Grades Pre K - 3, Part I</td>
<td>U G 2-3</td>
</tr>
<tr>
<td>5137</td>
<td>Teaching and Learning of Social Studies Grades Pre-K - 3</td>
<td>U G 3</td>
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<tr>
<td>5270</td>
<td>Mathematics Methods for Preservice Middle Childhood Teachers</td>
<td>U G 3</td>
</tr>
<tr>
<td>5275</td>
<td>Science Methods for Preservice Middle Childhood Teachers</td>
<td>U G 3</td>
</tr>
<tr>
<td>5280</td>
<td>Social Studies Methods for Preservice Middle Childhood Teachers</td>
<td>U G 3</td>
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</tbody>
</table>

A review of the physiological, psychological, social, legal, and moral issues surrounding the disease AIDS with emphasis placed on responsible decision making about one's lifestyle.

**Prereq:** Not open to students with credit for 314.

Methods of leadership and programming in sport industry organizations.

**Prereq:** Major in Sport Industry. Not open to students with credit for both 245 and 545.

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.

Directed field experience emphasizing appropriate teaching strategies for different school age children and settings.

**Prereq:** Admission to appropriate teacher education program. Repeatable to a maximum of 12 cr hrs or 3 completions.

Examination of children's oral and written language development and related theoretical understandings instrumental for teaching language arts including evaluation processes and instructional materials.

**Prereq:** Enrollment in Education major or Master of Education.

Prepares preservice teachers with knowledge, skills of, and ability to use standards, learning theories, pedagogy, assessment, and technology for the teaching and learning of Pre-K - 3 early childhood mathematics in a diverse classroom.

**Prereq:** Admission to Early Childhood teaching licensure program, or permission of instructor. Not open to students with credit for 708.

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

**Prereq:** Not open to students with credit for 810.
5339 Evaluation and Instructional Decision-Making in Literacy U G 3
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 739.

5468 Reading Foundations U G 3
Introduction to basic concepts about the reading process, learning to read, social/cultural factors affecting literacy development and effective literacy instruction. Prereq: Early Childhood, Middle Childhood and Intervention Specialists students must take 2368. Not open to students with credit for 668.

5469 Understanding Phonics and its Role in Instruction U G 3
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.

6051 School Issues in Child and Adolescent Development and Learning: M.A. G 3
Uses contemporary theories of development and learning as a basis for examining current school issues and will identify principles and strategies for construction of classroom environments that provide optimal learning conditions. Prereq: Not open to students with credit for 821.07.

6052 Classroom-Based Inquiry: MA G 3
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.

6280 Development of 4th and 5th Grade Learners Across the Curriculum G 3
Aids students in acquiring a working understanding of the physical, cognitive and language development of the children in 4th/5th grades. Prereq: Not open to students with credit for 660.

6281 The Social Transitions of 4th and 5th Grade Learners G 3
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.

6282 Teaching Mathematics, Science and Culture in 4th and 5th Grades G 3
Related to teaching mathematics and science with consideration of pedagogy, content, assessment and equity. Prereq: Not open to students with credit for 682.

6283 Integrating Language Arts and Social Studies in 4th and 5th Grades G 3
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.

6890 M.Ed Capstone Seminar G 3
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 G 1-15
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.

7364 Multicultural Literature for Children and Young Adults G 3
Values and uses of literature by and about Blacks, Asians, Hispanics, Native Americans, and other U.S. ethnic groups: theoretical perspectives, trends, issues, and controversies. Prereq: Not open to students with credit for 864.

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**Education: Teaching and Learning**

**Engineering**

1181.01 Fundamentals of Engineering I U 2
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 U 2
Introduction to 3D visualization and CAD; engineering design-build process; teamwork; written, oral and visual communications; project management. Prereq: Engr 1181.01, 1181.02, 1281.01H, 1281.02H, or 1281.03H. Concur: Math 1151 or above. Not open to students with credit for Engineer 181.01 or 181.02.

**English**

1109 Writing & Reading U 4
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 U 3
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.

1110.02H Honors First-Year English Composition U 3
Provides intensive practice in the fundamentals of expository writing, as illustrated in the student's own writing and in the essays of professional writers. Taught with an emphasis on literary texts.

1110.03 First-Year English Composition U 3
Intensive practice in fundamentals of expository writing illustrated in the student's own writing and essays of professional writers; offered in a small class setting and linked with an individual tutoring component in its concurrent course, 1193. Prereq: English placement level 5; placement level 4 allowed if student requests service. This course is available for EM credit. GE writing and comm course: level 1.

1193 Individual Studies U 1-4
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 193.03. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.

2201 Selected Works of British Literature: Origins to Present U 3
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. Prereq: 1110.01 (110.01), or equiv. Not open to students with credit for 2201H (201H), 201, 202, or 202H. GE ll course and diversity global studies course.

2220 Introduction to Shakespeare U 3
Study of selected plays designed to give an understanding of drama as theatrical art and as an interpretation of fundamental human experience. Prereq: 1110.01 (110.01), or equiv. Not open to students with credit for 2220H (220H) or 220. GE ll course and diversity global studies course.
8  English

2260 Introduction to Poetry  U  3
Designed to help students understand and appreciate poetry through an intensive study of a representative group of poems.
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 2260H (260H) or 260. GE lit course.

2263 Introduction to Film  U  3
Introduction to methods of reading film texts by analyzing cinema as technique, as system, and as cultural product.
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 263. GE VPA course.

2264 Introduction to Popular Culture Studies  U  3
Introduction to the analysis of popular culture texts.
Prereq: 1110.01 (110.01). Not open to students with credit for 264 or CompStd 2264 (264). GE cultures and ideas course. Cross-listed in CompStd.

2271 Introduction to English Language Study  U  3
An introduction to the grammar, history, and social and regional dialects of the English language.
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 4570 (570), 6760 (760), 271, 669, 671, or Linguist 601. GE cultures and ideas course.

2275 Thematic Approaches to Literature  U  3
An introduction to literature through the examination of a major theme as treated in different genres and periods; topic varies by semester.
Prereq: 1110.01 (110.01) or equiv. Not open to students with 10 qtr cr hrs for 275. Repeatable to a maximum of 6 cr hrs. GE lit 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 English majors. Not open to students with credit for 2290 (290), 2290H, 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 2367.01H (367.01H). 210, 267, 267H, 301, 303, or equiv. GE writing and comm: level 2 and diversity soc div in the US course.

2367.01H 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: Honors standing; and 1110.01 (110.01), and Soph standing; or EM credit for 1110.01 (110.01) or equiv; or a declared major in English; or permission of instructor. 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.

3304 Business and Professional Writing  U  3
The study of principles and practices of business and professional writing.
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 304.

3398 Writing for English Majors  U  3
Required of English majors. Open only to English majors except dept permission.
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.
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 467 or ArtsSci 3467S (HumCol 467). Cross-listed in ArtsSci.

4520.01 Shakespeare  U  3
Critical examination of the works, life, theater, and contexts of Shakespeare.
Prereq: 6 cr hrs in English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs of 367 or 6 sem cr hrs of 2367 in any subject are acceptable towards the 6 cr hrs. Not open to students with credit for 520 or 520.01.

4540 Nineteenth-Century British Poetry  U  3
Studies the origins of modern poetry in the years following the French Revolution in 1789 and its development throughout the nineteenth century.
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 credit for 540.

4553 20th-Century U.S. Fiction  U  3
A study of American fiction after 1914, with emphasis on such major figures as Anderson, Fitzgerald, Hemingway, and Faulkner.
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 credit for 553.

4562 Studies in Literature and the Other Arts  U  3
Studies in English literature in an interdisciplinary context. Period and context will vary. Possible topics: modernism and music, romanticism and painting, Elizabethan literature and iconography.
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 credit for 556.

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 for 578 or 9 sem cr hrs for 4578 or 4578H. Repeatable to a maximum of 9 cr hrs.

4582 Special Topics in African-American Literature  U  3
Focuses on themes in African American Literature. Topic varies. Examples: Neo-slave narratives; the Harlem Renaissance; literature by African-American women.
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 or 6 sem cr hrs of 4582 (582) or AfrAmSt 4582 (582). Repeatable to a maximum of 6 cr hrs. Cross-listed in AfrAmSt.

4583 Special Topics in World Literature in English  U  3
Study of literatures written in English and produced outside of the U.S. and Britain; topics include colonial/postcolonial writing, regional literature, theoretical and historical approaches, genres.
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 or 6 sem cr hrs of 4583. 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.
4598H Honors Seminar: Selected Topics in Literature and Literary Interpretation

Selected problems (themes, movements, genres, and styles) emphasizing continuity and development in English and American literary and linguistic history; topic varies by semester.
Prereq: Honors standing, or permission of instructor. Not open to students with 10 qtr cr hrs for 598H. Repeatable to a maximum of 6 cr hrs.

**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 Admins 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 2 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, or completion of 4 cr hrs of 1101.51. Not open to students with credit for 103.01 or with 5 qtr cr hrs of 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, 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 cr 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 Admins Cond course.

**Geography**

1900 Introduction to Weather and Climate

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, 120H, 2960 (220), 5900 (520), or AtmosSc 2940 (230). GE nat sci physical course.

2400 Economic and Social Geography

Geographic analysis of relationships between society and economy; focusing on such issues as globalisation, production and consumption, inequality and social difference.
Prereq: Not open to students with credit for 240 or 240H. GE soc sci human, nat, and econ resources and diversity global studies course. SS Admins Cond 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 200H. GE soc sci human, nat, and econ resources and diversity global studies course. SS Admins Cond course.

2750H 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: Honors standing, or permission of instructor. Not open to students with credit for 200 or 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 (450) or 597.01. GE cross-disciplinary seminar course.

3600 Space, Power and Political Geography

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 orgs and polities course.

3750 Geography of North America

Geographical analysis of North America; spatial patterns and processes associated with culture, politics, economy and social difference at international, national, regional and urban scales.
Prereq: Not open to students with credit for 400. GE diversity soc div in the US course.

**German**

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 sem cr hrs of 101.51. This course is available for EM credit. GE lit course. FL Admins Cond course.

1104.01 German IV

Development of aural comprehension, speaking, reading, and writing skills in German in cultural context. CEFR Level B1. For students who have completed 103.01, 103.51 or 103.66 in quarter system. Closed to native speakers of this language.
Prereq: 103 or 112, or equiv. This course is available for EM credit. GE for lang course. FL Admins Cond course.

**Hebrew**

2241 Culture of Contemporary Israel

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

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.
History

1151 American Civilization to 1877 U 3
The political, constitutional, social, and economic development of the United States from the colonial period through the era of Reconstruction.
Prereq or concurr: English 1110.xx. Not open to students with credit for 1150, 2001, or 181. GE historical study course.

1152 American Civilization since 1877 U 3
The political, constitutional, social and economic development of the United States from the end of Reconstruction to the present.
Prereq or concurr: English 1110.xx. Not open to students with credit for 1150, 2002, or 192. GE historical study course.

1681 World History to 1500 U 3
Comparative survey of the world's major civilizations and their interconnections from the beginnings of human civilization through 1500.
Prereq or concurr: English 1110.xx. Not open to students with credit for 1680 or 181. GE historical study and diversity global studies course.

1682 World History from 1500 to the Present U 3
Survey of the human community, with an emphasis on its increasing global integration, from the first European voyages of exploration through the present.
Prereq or concurr: English 1110.xx. Not open to students with credit for 1680 or 182. GE historical study and diversity global studies course.

2001 Launching America U 3
An intermediate-level approach to American history in its wider Atlantic context from the late Middle Ages to the era of Civil War and Reconstruction. Sometimes this course is offered in a distance-only format.
Prereq or concurr: English 1110.xx, or permission of instructor. Not open to students with credit for 1151. GE historical study and diversity soc div in the US course.

2002 Making America Modern U 3
A rigorous, intermediate-level history of modern U.S. in the world from the age of industrialization to the age of globalization. Sometimes this course is offered in a distance-only format.
Prereq or concurr: English 1110.xx, or permission of instructor. Not open to students with credit for 1152. GE historical study and diversity soc div in the US course.

2080 African American History to 1877 U 3
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 concurr: English 1110.xx. Not open to students with credit for 323.01 or AfrAmSt 2080. GE historical study course. Cross-listed in AfrAmSt.

2204 Modern European History U 3
Examination of selected themes from the history of Modern Europe from the French Revolution to the Present.
Prereq or concurr: English 1110.xx. Not open to students with credit for 1212 or 312. 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 concurr: English 1110.xx. Not open to students with credit for 325. GE historical study and diversity soc div in the US 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 concurr: English 1110.xx. Not open to students with credit for 398.

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 concurr: 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.

3011 The American Revolution and the New Nation U 3
Analysis of the political, cultural, social, military, and economic changes that led to revolution and creation of the republic.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 577.01. GE historical study course.

3012 Antebellum America U 3
An examination of American history from the nation-building of the age of Jefferson and Jackson to the sectional crisis over slavery.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 557.02. 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 concurr: 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.

3030 History of Ohio U 3
Survey of economic, social, political development of the geographic area that became Ohio from Native Americans to present.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 310. GE historical study course.

3032 History of the U.S. West U 3
The social, cultural, and economic development of the U.S. West.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 560. GE historical study course.

3191 Historical Internship U 1-6
Internships will provide students with the opportunity to work on historical projects under the supervision of a practicing professional and a professor.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 459.

3254 Europe since 1950 U 3
Europe from Division to Unification.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 512.05. GE historical study course.

3281 Imperial Russian History, 1700-1917 U 3
Survey of Russian history from the reign of Peter the Great to the 1917 revolutions.
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 537.01. GE historical study course.

3282 History of the Soviet Union U 3
Prereq or concurr: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 538. GE historical study course.

3580 The Vietnam War U 3
Prereq or concurr: English 1110 or equiv, and course work in History at the 2000 level, or permission of instructor. Not open to students with credit for 308. GE historical study course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>4015</td>
<td>Research Seminar in Modern U.S. History</td>
<td>3</td>
<td>English 1110 or equivalent, and course work in History at the 3000 level, or permission of instructor. Repeatable to a maximum of 6 hrs.</td>
</tr>
<tr>
<td>2001</td>
<td>Western Art I: Ancient and Medieval Worlds</td>
<td>3</td>
<td>Examination of the history of Western Art from the third millennium BCE to the fifteenth century CE. Prerequisite: Not open to students with credit for 201 or 210. This course is available for EM credit. GE VPA, historical study and diversity global studies course.</td>
</tr>
<tr>
<td>2002</td>
<td>Western Art II: The Renaissance to the Present</td>
<td>3</td>
<td>Examination of the history of art in Europe and the United States, from 1400 to the present. Prerequisite: Not open to students with credit for 202 or 212. This course is available for EM credit. GE VPA, historical study and diversity global studies course.</td>
</tr>
<tr>
<td>2101</td>
<td>Introduction to African Art and Archaeology</td>
<td>3</td>
<td>The Art and Archaeology of Africa with emphasis on the historic cultures of Rock Art (8,000 B.C.), Egypt (3,000 B.C.), Nok (900 B.C.), Igbo-Ukwu (695 A.D.), and Benin (1400-1900 A.D.). Prerequisite: Not open to students with credit for 216. GE VPA and diversity global studies course. VSP Admis Cond course.</td>
</tr>
<tr>
<td>1101.01</td>
<td>Elementary Latin I</td>
<td>5</td>
<td>Elementary level introduction to the Latin language; the course begins the study of grammar and vocabulary. Not open to students with 3 or more years of high school study in this language, except by permission of department. This course is available for EM credit. GE for lang course. FL Admis Cond course.</td>
</tr>
<tr>
<td>1050</td>
<td>Precollege Mathematics I</td>
<td>5</td>
<td>Fractions and decimals, basic algebra, graphing lines, factoring, systems of equations. Prerequisite: 1040 (40) or 50, or Math Placement Level T, or permission of department. Not open to students with credit for any Math course above 1050 (50). This course is available for EM credit.</td>
</tr>
<tr>
<td>1075</td>
<td>Precollege Mathematics II</td>
<td>4</td>
<td>Algebraic, rational, and radical expressions; functions and graphs; quadratic equations; absolute value; inequalities; and applications. Prerequisite: 1074 or 75, or a grade of C- or above in 1050, or Math Skills Assessment Level R or S. Not open to students with credit for any course above 1075, or for any quarter-system class 75 or above. This course is available for EM credit. GE quant reason basic computation course.</td>
</tr>
<tr>
<td>1116</td>
<td>Excursions in Mathematics</td>
<td>3</td>
<td>Critical thinking and problem solving, with relevant topics met in everyday life. Appropriate for non-science majors. Prerequisite: 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.</td>
</tr>
<tr>
<td>1125</td>
<td>Mathematics for Elementary Teachers I</td>
<td>5</td>
<td>Sequence 1125-1126 involves numbers, geometry, measurement, and mathematical reasoning, for prospective elementary school teachers. Prerequisite: 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.</td>
</tr>
<tr>
<td>1126</td>
<td>Mathematics for Elementary Teachers II</td>
<td>5</td>
<td>Continuation of 1125: numbers, geometry, measurement, and mathematical reasoning, for prospective elementary school teachers. Prerequisite: 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.</td>
</tr>
<tr>
<td>1130</td>
<td>College Algebra for Business</td>
<td>4</td>
<td>Algebraic, exponential, and logarithmic functions. Matrix algebra. Applications to business. Prerequisite: 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.</td>
</tr>
<tr>
<td>1131</td>
<td>Calculus for Business</td>
<td>5</td>
<td>Survey of calculus of one and several variables; applications to business. Prerequisite: A grade of C- or above in 1130, 1144, 1148, or 1150, 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.</td>
</tr>
<tr>
<td>1134</td>
<td>Transition Calculus for Business</td>
<td>3</td>
<td>Integral and multi-variable calculus for business. (Su12, Au12) Prerequisite: 131. Not open to students with credit for 132. This course is available for EM credit.</td>
</tr>
<tr>
<td>1144</td>
<td>Precalculus Transition</td>
<td>4</td>
<td>Math 150 done in a semester: Properties and applications of rational, logarithmic, exponential, trigonometric, and inverse trigonometric functions. Introduction to complex numbers. Prerequisite: 148, or permission of department. Not open to students with credit for 150 or above.</td>
</tr>
<tr>
<td>1148</td>
<td>College Algebra</td>
<td>4</td>
<td>Functions: polynomial, rational, radical, exponential, and logarithmic. Introduction to right-angle trigonometry. Applications. Prerequisite: 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 courses numbered 1150 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.</td>
</tr>
<tr>
<td>1149</td>
<td>Trigonometry</td>
<td>3</td>
<td>Trigonometric functions and their properties. Vectors, polar coordinates and complex numbers. Prerequisite: 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.</td>
</tr>
<tr>
<td>1150</td>
<td>Precalculus</td>
<td>5</td>
<td>Functions: polynomial, rational, radical, exponential, logarithmic, trigonometric, and inverse trigonometric. Applications. Prerequisite: Math Placement Level M. Not open to students with credit for 1144, 1148, or 1149 or above, or for any Math course numbered 150 or above. This course is available for EM credit. GE quant reason math and logical anly course.</td>
</tr>
<tr>
<td>1151</td>
<td>Calculus I</td>
<td>5</td>
<td>Differential and integral calculus of one real variable. Prerequisite: 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.</td>
</tr>
<tr>
<td>1152</td>
<td>Calculus II</td>
<td>5</td>
<td>Integral calculus, sequences and series, parametric curves, polar coordinates, (optional: vectors). Prerequisite: A grade of C- or above in 1114, 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.</td>
</tr>
<tr>
<td>1172</td>
<td>Engineering Mathematics A</td>
<td>5</td>
<td>Techniques of integration, Taylor series, differential calculus of several variables. Applications. Prerequisite: 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.</td>
</tr>
</tbody>
</table>
### Military Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Introduction to Leadership and Military</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1300 Global Politics  U  3
Cooperation and conflict in world politics. Covers basic theories of international relations and key issues, including security, political economy, international organizations, and the environment.
Prereq: Not open to students with credit for 145 or 145H. GE soc sci human, nat, and econ resources and diversity global studies course.

2150 Voters and Elections  U  3
Study of US elections, focusing on voter attitudes, group behavior, and political participation.
Prereq: Not open to students with credit for 201 or 201H. GE soc sci indvvs and groups course. SS Admin Cond course.

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.

3193.02 Individual Studies: Teaching of Psychology  U  1-3
Specialized study & experience in teaching of psychology. Classroom management, development of presentation materials & skills, demonstrations & active learning, & assessment. Maximum of 3 cr hrs may be applied to undergrad major in psychology.
Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs or 6 completions. This course is graded S/U.

3310 Sensation and Perception  U  3
Examination of how observers perceive their environment through sensory information; emphasis on major sensory systems including vision, audition, spatial orientation, touch, taste, and olfaction.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 310.

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.

3321 Quantitative and Statistical Methods in Psychology  U  3
A concentrated examination of applications of statistical tools in inference in contemporary psychology; hypothesis testing, regression, correlation, and analysis of variance.
Prereq: 1100 (100) or 1100H (100H), and a grade of B or above in 2220 (220) or 2220H (220H); or permission of instructor. Not open to students with credit for 321 or 321H.

3333 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.

3340 Introduction to Life Span Developmental Psychology  U  3
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, 34OH, or 34OE.

3530 Theories of Personality  U  3
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 530.
14 Psychology

3550 Psychology of Childhood
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
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.

4518 Attitudes: Structure, Function, and Consequences
Survey of theory and evidence related to the structure and functional value of attitudes and their effects on information processing, judgments, and behavior. Prereq: 3253 (325), 3325H (325H), 2367 (367.51), or 3375 (375). Not open to students with credit for 518.

4522 Organizational Psychology
Overview of theory, method, and practice of organizational psychology: motivation, job attitudes, leadership, groups, organizational design. Prereq: 1100 (100) or 1100H (100H), and 2220 (220) or 2220H (220H). Not open to students with credit for 522.

4552 Psychology of Adult Years
Theory and research related to adulthood as a sequence of psychological stages involving adjustment and coping behaviors; relationship of adulthood to other life-span stages. Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 552.

4554 Language Development
A survey of children’s language acquisition, including phonemes, words, morphology, and syntax. Roles for universal grammar, linguistic input, social interaction, and statistical learning are considered. Prereq: 3550 (550), 3550H (550H) and 2371 (371), 2371H (371H), Ling 2701 (Linguist 371), 2701H (371H), 2000 (201), 2270 (270), or SpHrng 2230 (330), or permission of instructor. Not open to students with credit for 554.

4571 Psychology of Developmental Disabilities
Overview of developmental disabilities including causes, nature, & psychological characteristics; diagnosis & psychometric assessments; & behavioral, psycho-educational, & biological forms of prevention & intervention. 20-hr off-campus practicum req. Prereq: 1100 (100) or 1100H (100H), or permission of instructor. Not open to students with credit for 571.

4998 Undergraduate Research in Psychology
Supervised collaborative research in psychology. Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 8 completions. This course is graded S/U.

4999.01H Honors Thesis Research I
Seminar designed to support the writing of the Honors thesis proposal and data collection, including proposal structure, literature review, research ethics, the IRB process, and data collection methodology. Prereq: Honors standing, and enrollment in Psych major, and candidate for degree with research distinction, and permission of department. Not open to students with credit for 783.01H or 783.02H.

Rural Sociology

1500 Introduction to Rural Sociology
Principles of society, major social institutions, and social change; emphasizes social changes in rural life, rural organizations, population, and family living. Au, Sp Sems. Prereq: Not open to students with credit for 105, Sociol 101, or 201. GE soc sci orgs and polities and diversity soc div in the US course. SS Admin Cond course.

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.

1140 Minority Perspectives: Race, Ethnicity, and Gender
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
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.

5009 Family Caregiving: Contemporary Issues, Programs, & Policies
Focuses on the development of knowledge and skills to address the needs of individuals providing care for an individual with a disability. Prereq: Not open to students with credit for 695.24.

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

6201 Social and Economic Justice
Foundation knowledge related to social justice in the context of social welfare in advancing human rights of all people. Prereq: MSW I standing, or permission of instructor. Not open to students with credit for 709, 710, or 711.

6202 Diversity and Cultural Competence
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 Developmental Changes across the Lifespan
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: MSW I standing, or permission of instructor. Not open to students with credit for 733.

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

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

6501 Engaging and Entering the Profession
Introduces students to the knowledge, skills and values needed to prepare for and engage in social work with vulnerable and oppressed populations. Prereq: MSW I standing, or permission of instructor. Not open to students with credit for 744, 745 and 746. This course is graded S/U.

7550 Community Practice and Development
Prepares students for social work practice in community settings including engagement, assessment, intervention, evaluation in community practice. Prereq: 6201 (709, 710, and 711), 6301 (733), 6401 (770 and 771), or 6501 (744, 745, 746); or 7400 and 7500, and ASAP standing. Not open to students with credit for 730.03.
**Sociology**

1101 Introduction to 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.
Pre: Not open to students with credit for 1101H (101H), 101, RurlSoc 1105, or 105, or equiv. GE soc sci orgs and polities and diversity soc div in the US course.

1101H Introduction to Sociology (Honors) 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.
Pre: Honors standing, or permission of department or instructor. Not open to students with credit for 101, 101H, RurlSoc 1105, or 105, or equiv. GE soc sci orgs and polities and diversity soc div in the US course. SS Admis Cond course.

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.
Pre: Not open to students with credit for 209.

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.
Pre: 2209 (209), and permission of instructor. Not open to students with credit for 211.

2340 Sex and Love in Modern Society U  3
How behavior and meanings relating to sex and love have changed in recent decades; what explains these changes and the consequences of these changes.
Pre: Not open to students with credit for 340.

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.
Pre: 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.
Pre: Not open to students with credit for 464. GE soc sci human, nat, and econ resources course.

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.
Pre: 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.
Pre: Not open to students with credit for 101.01, 102.01, or 102.66. This course is available for EM credit. GE for lang course. FL Admis 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.
Pre: 1101.01 or equiv. Not open to students with credit for 102.01 or 102.66. This course is available for EM credit. GE for lang course. FL Admis Cond course.

**Statistics**

1350 Elementary Statistics U  3
Introduction to probability and statistics, experiments, and sampling, data analysis and interpretation.

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.
Pre: Math 1131 (132), 1151 (152), 1161.xx, or 1181H (161H), or permission of instructor. Not open to students with credit for 133. GE data anly 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.

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.
Pre: Not open to students with credit for 2101H (101H) or 100. This course is available for EM credit. GE VPA and diversity soc div in the US course. VSP Admis Cond course.

2211 Introduction to Production Design U  3
Introduction to scenic, costume, lighting and sound design techniques for production; experience in research and designing projects.

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.
Pre: Not open to students with credit for 280. GE VPA course.

2831 Movement and Voice U  3
Basic study and training in movement for actors, voice production, and whole body expressiveness.
Pre: 2811. Not open to students with credit for 383 and 386.

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

**Women's, Gender, and Sexuality Studies**
16 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.