

OHIO STATE LIMA

Course Offerings Bulletin 2021-2022



Important Dates and Deadlines

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THE OHIO STATE UNIVERSITY

LIMA

Accounting and Management Information Systems 1

Accounting and Management Information Systems

2200 Introduction to Accounting I U 3

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 U 3

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

3300 Cost Accounting U 3

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), 2321 (331), and BusMHR 2292 (BusAdm 499.01); or permission of instructor. Not open to students with credit for 525.

3601 Introduction to Information Systems U 1½

The role of information systems in capturing and distributing organizational knowledge and enhancing management decision making, process of redesigning organizations utilizing systems analysis and design, quality assurance, and change management techniques, technical foundation of information systems, including hardware, software, telecommunications, networks, and the information architecture. Prereq: Admission to BSBA program and Business Management specialization.

African American and African Studies

1101 Introduction to African American and African Studies U 3

Introduction to the scholarly study of the Africana experience, focusing on patterns of resistance, adaptation, diversity, and transnational connections. Prereq: English 1110. GE soc sci indiv and groups course.

2251 Introduction to African Literature U 3

An assessment of the oral prose tradition and written prose of African literature; specific emphasis placed on student reading from primary sources. GE lit and diversity global studies course.

Agricultural Systems Management

2305 Professional Development I U 2

Business communications and professional development in agricultural systems management including job search strategies, informative and persuasive writing, academic planning, collaboration, project documentation and reporting, and presentations. Prereq: English 1110. Not open to students with credit for ConSysM 2305. This course is available for EM credit.

American Sign Language

1101 Elementary American Sign Language I U 4

Students develop elementary ASL skills-receptive (listening) and expressive (speaking). American deaf culture and history introduced with an emphasis on making comparisons and connections to one's own culture. Instruction primarily in ASL. Not open to native users of ASL. Prereq: Not open to students with 2 or more years of ASL study in high school. Not open to students with credit for 101, English 101, or EduTL 101. This course is available for EM credit. GE for lang course.

1102 Elementary American Sign Language II U 4

Further development of ASL skills. Focus on talking about others. Continued exploration of American deaf culture and history. Instruction primarily in ASL. Not open to native users of ASL. Prereq: 1101 (101), English 101, or EduTL 101. Not open to students with credit for 102, English 102, or EduTL 102. This course is available for EM credit. GE for lang course.

1103 Intermediate American Sign Language U 4

Advanced development of ASL skills. Focus on talking about community. Continued exploration of American deaf culture and history. Instruction primarily in ASL. Not open to native users of ASL. Prereq: 1102 (102), English 102, or EduTL 102. Not open to students with credit for 103, EduTL 113, or SphHrg 103, or equiv. This course is available for EM credit. GE for lang course.

2104 American Sign Language Conversational Discourse U 3

This course is designed to develop conversational discourse and personal narrative skills in ASL. Students will continue the development of ASL communication skills both receptively and expressively, by expanding on ASL vocabulary and ASL grammar. These skills will allow students the ability to expand conversations in ASL beyond every day topics. Course instruction is in the target language, ASL. Prereq: A grade of C or better in 1103, or permission of department.

Anatomy

2300.05 Human Anatomy U 4

Regional study of the basic structure and terminology associated with the human body. Laboratory includes demonstrations on prosected human cadavers. Prereq: Biology 1101, 1102, 1113, or 1114, or permission of instructor; and enrollment as a Health Science student in Continuing Education (CED), University Exploration (EXP), or Arts and Sciences (ASC). Not open to students with credit for 2100.xx or 3300.xx.

Anthropology

2202 An Introduction to Cultural Anthropology U 3

Introduction to anthropological perspectives on cross-cultural variation in human behavior and societies. Prereq: Not open to students with credit for 2202H. GE soc sci indiv and groups and diversity global studies course.

Art

2100 Beginning Drawing U 3

Students will explore fundamental freehand drawing techniques with a range of drawing methods, media and concepts; emphasis on drawing from observation and expressive experimentation. Students will apply written, oral and visual communication skills as they evaluate, interpret and respond to significant works of art and their own expressive goals. This course is available for EM credit. GE VPA course.

Arts and Sciences

1191 Non-Credit Internship U 0

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 U 2

This seven-week course will help you develop skills and habits that will allow you to responsibly find, consume, create, and share information online. Among these habits is the creation of a search strategy, critical evaluation of online sources, and the use of copyrighted materials. We hope you leave this course as an intentional, reflective, and critical consumer of information.

3191.01 For-Credit Internship U 1-12

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 2.50 or above, and Soph standing or above. Repeatable to a maximum of 12 cr hrs or 4 completions. This course is graded S/U.

Astronomy

1142 Black Holes U 3

The nature, formation, and discovery of black holes in the universe. Prereq: ACT Math Subscore of 22 or higher, or Math Placement Level R or better, or Math 1050 (075), or permission of instructor. Not open to students with credit for 142. This course is available for EM credit. GE nat sci phys course. NS Admis Cond course.

Biochemistry

4511 Introduction to Biological Chemistry U 4

An introductory course in biochemistry dealing with the molecular basis of structure, metabolism, genetic replication, transcription, and translation in plants, animals, and microorganisms. Prereq: Chem 1220 (123) or 1250 (125), and 2510 (252) or 2310 (231), and one semester of Biological Sciences; or permission of instructor. Not open to students with credit for 511. This course is available for EM credit.

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 students majoring in one of the biological sciences. Prereq: Not open to students with credit for 1101E, 1113 (113), 1113H (115H), 101, Entnlgy 1101 (101), or MolGen 1101 (PlntBio101). 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 102. This course is available for EM credit. GE nat sci bio course.

2 Biology

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, 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 113. This course is available for EM credit. GE nat sci bio course. NS Admis Cond course.

1113H 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 1113H and 1114H.

Prereq: Honors standing; and Math 1149 or 1150 or above, or Math Placement Level L. Prereq or concur: Chem 1210, 1610, or 1910H, or permission of course coordinator. Not open to students with credit for 115H. 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.

1114H 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 1113H and 1114.

Prereq: Honors standing; and Math 1149, 1150, or above, or Math Placement Level L. Prereq or concur: Chem 1210 (121), 1610, or 1910H (201H), or permission of course coordinator. Not open to students with credit for 116 or 116H. GE nat sci bio course. NS Admis Cond course.

3401 Integrated Biology U 4

A case studies approach is used to gain a better understanding of biological concepts and principles. This course is designed for biology majors. Prereq: 1113, 1114, Chem 1220, and Math 1140, or 1148 and 1149, or 1150 or above; or permission of instructor.

Business Admin: Finance

3220 Business Finance U 3

Introductory finance class which allows students develop the skills to understand how financial managers make value-maximizing decisions for their firms. Prereq: Econ 2001.01 (200), and 2002.01 (201), and AcctMIS 2200 (211). Prereq or concur: AcctMIS 2300. Not open to students with credit for 620, or to students enrolled in UUSS, UExp or PreBSBA-PR.

3500 Legal Environment of Business U 1½

An introduction to American legal institutions, sources of law, and an analysis of basic concepts of public and private law related to business decisions.

Prereq: Soph standing. Not open to students with credit for 510, or to students enrolled in UUSS, UExp or PreBSBA-PR.

4200 Applications in Finance U 3

Applications in Finance with a discussion of investment alternatives such as Money Market instruments, Stocks and Bonds and Corporate Finance issues such as Corporate Governance, Cost of Capital and Capital Budgeting.

Prereq: 3220 (620), BusMgt 2320 (330), and 2321 (331). Not open to students with credit for 4210, 4211, 4212 (721), 4220, 4221, or 4222 (722).

Business Admin: Management & Human Rsrcs

2000 Introduction to International Business U 1½

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. Not open to students enrolled in UUSS, UExp or PreBSBA-PR.

2292 Business Skills & Environment U 3

Introduce the role of business in the lives of individuals, consumers, employees, and citizens.

Focus on the concept of ethical leadership with emphasis on both oral and written communication skills for the business environment. Prereq: English 1110.01 (110), or equivalent; and admission to the Business Administration major. Not open to students with credit for BusAdm 499, 499.01, or BusMHR 2291. Not open to pre-business students.

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: Econ 2001.01 (200) and 2002.01 (201), or equivalent. Not open to students with credit for 3100 (400) or 701. Not open to students enrolled in UUSS, UExp or PreBSBA-PR.

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: 2291 or 2292 (BusAdm 499.01); and 3200 (701), 4323 (653), and AcctMIS 2200 (211), 2300 (212), BusMgt 2320 (330), 2321 (331); or enrollment regional Business Management program. 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: 2000 (BusADM 555), 2292 (BusADM 499.01), 3200 (701), and BusMGT 2320 (330), 2321 (331), 3230 (630), and BusFIN 3500 (510), 3220 (620), and BusML 3250 (650), 3380, and Sr standing in Business Administration major program. Not open to students with credit for BusAdm 799. Not open to students in UUSS, UEXP, or PREBSBA-PR.

Business Admin: Management Sciences

2320 Decision Sciences: Statistical Techniques U 3

Examination of the use of statistical techniques in managerial decision-making processes; statistical inference, simple and multiple regression, time series. Prereq: Math 1131 (132), or 1151 (152); and Stat 1430 (133); and CSE 1113, or 2111 (200); and Econ 2001.01 (200). Prereq or Concur: Econ 2002.01 (201). Not open to students with credit for 330. This course is available for EM credit.

2321 Business Analytics U 1½

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: Math 1131 (132), or 1151 (152), or equivalent; and CSE 1113, or 2111 (200); and Econ 2001.01 (200), or equivalent; and Econ 2002.01 (201), or equivalent. Not open to students with credit for 331.

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: Econ 2001.01 (200), 2002.01 (201); and Stat 1430 (133) or equivalent. Not open to students with credit for 3130 (430) or 630, or to students enrolled in UUSS, UExp or PreBSBA-PR.

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), 2321 (331), 3230 (630), and AcctMIS 2200 (211), 2300 (212); and BusMHR 2291 or 2292 (BusADM 499.01). Not open to students with credit for 710.

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 and 2002.01. Not open to students with credit for 3150 (650) or 450 or to students enrolled in UUSS, UExp or PreBSBA-PR.

3380 Logistics Management U 1½

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 equivalent; and 2002.01 (201), or equivalent. Not open to students with credit for 780 or to students enrolled in UUSS, UExp, or PreBSBA-PR.

4204 Marketing Projects U 3

In this advanced marketing course students will act as a consulting team and work with a client firm on a marketing problem, produce a report and present their work. Prereq: 4201 (750), 4202 (758), and BusMHR 2292 (BusAdm 499.01), or equiv; or enrollment in regional campus General Business Program.

4380 Advanced Logistics Management U 1½

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, and AcctMIS 2200 (211), 2300 (212), and BusMGT 2320 (330), 2321 (331); and BusMHR 2291 or 2292 (BusADM 499.01).

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: Math 1073, 1074, 1075 or above; Math Placement Level L, M, N, or R; or ACT Math subscore of 22 or higher that is less than 2 years old. Not open to students with credit for 1210, 1250, 1610, or 1910H. This course is available for EM credit. GE nat sci phys course.

Chemistry 3

1210 General Chemistry I U 5

First course for science majors, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, thermochemistry, 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 1120, 1130, 1131, 1148, 1150, or above. Not open to students with credit for 1220, 1620, 1920H, 1250, 1610, or 1910H. This course is available for EM credit. GE nat sci phys 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), 123, 2310, 2510 (251), 2610, or 2910H (251H). This course is available for EM credit. GE nat sci phys 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, 125, 2310, 2510 (251), 2610, or 2910H (251H). This course is available for EM credit. GE nat sci phys course.

2310 Introductory Organic Chemistry U 4

A condensed presentation of organic chemistry organized by functional groups with an emphasis on practical applications. Prereq: 1110, 1220 (122), 1250 (125), 1620, or 1920H. Not open to students with credit for 2510 (251), 2610, or 2910H.

2510 Organic Chemistry I U 4

Introduction to structure, nomenclature, physical properties, preparation and reactions of alkanes, alkenes, alkynes, alcohols, ethers, epoxides, aldehydes and ketones. Other topics include stereochemistry, acids, bases, and reaction mechanisms. Prereq: 1220 (123), 1620 or 1920H (203H). Not open to students with credit for 252.

2520 Organic Chemistry II U 4

Continuation from 2510, including aromatic systems, carboxylic acids, carboxylic acid derivatives, amines, carbon-carbon bond-forming reactions, polymers, carbohydrates and amino acids. Prereq: 2510, 2610 (252) or 2910H (252H). Not open to students with credit for 2620 (253) or 2920H.

2540 Organic Chemistry Laboratory I U 2

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 or concur: 2510, 2610 or 2910H.

2550 Organic Chemistry Laboratory II U 2

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, 2620 or 2920H.

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.

2010 Classical Background of Scientific Terminology U 3

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 U 3

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 U 3

Personalities and attributes of the Greek and Roman gods and goddesses, their mythology and its influence on Western culture. GE lit and diversity global studies course.

2301 Classical Archaeology U 3

Introduction to the principles, methods, and history of archaeological investigation in the ancient Greek and Roman world, illustrated through a selection of major classical sites. Prereq: Not open to students with credit for Classics 240, History 2210 (240 or 306), or HistArt 2301 (306). GE cultures and ideas and historical study and diversity global studies course. Cross-listed in History 2210 and HistArt 2301.

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.

2367 Persuasive Communication U 3

Principles of persuasion as reasoned discourse. Prereq: Soph standing or above, and English 1110.01 or equiv. Not open to students with credit for 2367H (367H) or 367. GE writing and comm course: level 2.

Comparative Studies

2281 American Icons U 3

Interdisciplinary methods in American studies; emphasis on the plurality of identities in American culture. Prereq: English 1110 (110) or equiv. Not open to students with credit for 234. GE cultures and ideas and diversity soc div in the US course.

Computer Science and Engineering

1110 Introduction to Computing Technology U 3

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

1222 Introduction to Computer Programming in C++ for Engineers and Scientists U 3

Introduction to computer programming and to problem solving techniques using computer programs with applications in engineering and the physical sciences; algorithm development; programming lab experience. Concur: Math 1151, 1154, or 1161. Not open to students with credit for Engr 1281.01 or 1281.02. This course is available for EM credit.

1223 Introduction to Computer Programming in Java U 3

Introduction to computer programming and to problem solving techniques using computer programs; programming lab experience. Prereq: Math 1130, 1140, 1149, or 1150, or Math Placement Level L. This course is available for EM credit.

2111 Modeling and Problem Solving with Spreadsheets and Databases U 3

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 or above, or Math Placement Level L. Not open to students with credit for 1111 or 1112. This course is available for EM credit. GE quant reason math and logical any course.

2221 Software I: Software Components U 4

Intellectual foundations of software engineering; design-by-contract principles; mathematical modeling of software functionality; component-based software from client perspective; layered data representation. Prereq: 1212, 1221, 1222, 1223, Engr 1221, 1281.01H, 1281.02H, or CSE Placement Level A. Prereq or concur: Math 1151, 1161.01, or 1161.02. Not open to students with credit for 5022. This course is available for EM credit.

Construction Systems Management

2305 Professional Development I U 2

Business communications and professional development in construction systems management including informative and persuasive writing, academic planning, project management, research techniques, teaming, report writing and presentations. Prereq: English 1110. Not open to students with credit for AgSysMt 2305. This course is available for EM credit.

Earth Science

4 Earth Science

1100 Planet Earth: How It Works U 4

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 1121. This course is available for EM credit. GE nat sci phys course.

1110H Honors History of Life on Earth-Global Change in the Biosphere U 3

3.5 billion years of biosphere global change; introduction to major evolutionary and extinction events; processes responsible for change; and biosphere, atmosphere, and lithosphere interrelationships.

Prereq: Honors standing, or permission of instructor. Not open to students with credit for EarthSci 110, 110H, GeolSci 110, or 110H. GE nat sci phys course. NS Admis Cond course.

1121 The Dynamic Earth U 3

This course introduces students to earth sciences. Topics include earth processes and human impacts; the structure and composition of the earth, plate tectonics, rock & water cycles, energy & mineral resources, and climate change. Before Autumn 2021: GE Physical Science with Lab. Autumn 2021 and after: GE Physical Science without Lab. Add EarthSc 1200 for lab credit. Prereq: Math 1075 or above, or ACT Mathematics Subscore of 22 or higher, or Math Placement Level R or better. Not open to students with credit for 1100. This course is available for EM credit. GE nat sci phys course.

Economics

2001.01 Principles of Microeconomics U 3

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 2001.02, 2001.03H, 200, 200H, or ADEcon 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 U 3

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, or 201H. This course is available for EM credit. GE soc sci orgs and politics course.

Education: Teaching and Learning

2189 Field Experience U 1 - 2

Professional service with children or youth in a school or community agency. Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 15 completions.

2367 Education, Society and Writing U 3

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

2368 Introduction to Children's Literature U 3

This is a survey course in which students study the historical and contemporary elements of literature intended for children, including picturebooks; traditional tales; novels of realism, and fantasy; nonfiction; poetry; and multicultural books. Prereq: English 1110, or equiv. Not open to students with credit for 467. GE lit course.

3160 Application of Development in Learning Contexts U 3

Designed for students to apply theories and research of child growth and development in multiple learning contexts. Prereq: Not open to students with credit for 460. GE soc sci indivs and groups course.

3189.01 Field Experience: Early Childhood Education U 1 - 2

This field experience is designed as a practice-based companion to the EC Pedagogy class. Prereq: Admission to Early Childhood Education Major. Repeatable to a maximum of 4 cr hrs or 4 completions.

3189.02 Field Experience: Middle Childhood Education U 1 - 2

The experience is designed to provide : lesson planning, teaching, and classroom management; student learning, interests, and perspectives; (3) the requirements of being a professional educator; and effectively bringing together the work done in a university classroom with work done in grade 4-9 classrooms. Prereq: Admission to Middle Childhood Education Major. Repeatable to a maximum of 4 cr hrs or 4 completions.

3189.09 Field Experience: Child and Youth Studies U 1 - 2

Field experience designed to provide undergraduate students in the Child & Youth Studies program an opportunity to work with a cooperating professional within an educational or community organization focusing on teaching & learning. Prereq: Admission to Child and Youth Studies Major. Repeatable to a maximum of 4 cr hrs or 4 completions.

3356 Literature for Adolescents U 3

Literature for individual, group, and whole-class reading in junior and senior high schools; interest factors and literary value as criteria for selection; bibliographic aids. Prereq: English 1110 or equivalent. Not open to students with credit for 656 or 3356E. GE lit course.

4189.01 Advanced Field Experience: Early Childhood Education U 1 - 4

The field experience is designed to provide: classroom practices in lesson planning, teaching, and guidance and discipline; student learning, interests, and perspectives; the official and unofficial requirements of being a professional educator; and how you can effectively bring together the work done in a university classroom with your work in classrooms with students age 3 to grade 3. Prereq: Admission to Early Childhood Education Major. Repeatable to a maximum of 12 cr hrs or 3 completions.

4189.02 Advanced Field Experience: Middle Childhood Education U 1 - 4

The field experience is designed to provide: best practices in lesson planning, teaching, and classroom management; student learning, interests, and perspectives; the official and unofficial requirements of being a professional educator; and how you can effectively bring together the work done in a university classroom with grade 4-9 classrooms. Prereq: Admission to Middle Childhood Education Major. Repeatable to a maximum of 12 cr hrs or 3 completions.

4191 Internship U 1 - 15

Internship in an educational or community setting.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 15 completions.

5005 Equity and Diversity in Education U G 3

Focuses on issues of diversity, equity, teacher beliefs, and multicultural education. Emphasis is placed on the roles of identity and lived experience and its influences on approaches to teaching and learning in educational settings.

Prereq: Not open to students with credit for 815.

5101 Teaching and Learning with Drama: Introduction U G 3

Introduction to the use of drama and social imagination in education.

Prereq: Jr or Sr standing with some field experience, or experienced teacher. Not open to students with credit for 633. Repeatable to a maximum of 6 cr hrs.

5102 Teaching and Learning of Literacy in Grades Pre-K - 3 U G 3

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.

5108 Teaching and Learning of Mathematics in Grades Pre-K - 3 U G 3

Prepares preservice teachers with knowledge, skills of, and ability to use standards, learning theories, pedagogies, 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.

5123 Early Childhood Pedagogy U G 3

Pedagogy I explores sociocultural perspectives on teaching and learning in early childhood and elementary education, the role of teacher as researcher/inquirer, and the ways in which sociocultural pedagogies interface with standard-based education.

Prereq: Admission to major or M.Ed. Not open to students with credit for 723.

5129 Teaching and Learning of Science in Grades Pre K - 3 U G 3

Exploration of contemporary alternatives in early childhood science education and the development of knowledge and skills for teaching and learning in grades Pre K - 3, with a focus on preschool and kindergarten. Prereq: Enrollment in Education major or Master of Education. Not open to students with credit for 729.

5137 Teaching and Learning of Social Studies Grades Pre-K - 3 U G 3

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.

Prereq: Not open to students with credit for 737.

5191.01 Supervised Student Teaching Internship: Early Childhood Education U G 3 - 15

Student teaching is designed to assess and support preservice preK-3rd grade teachers as they develop the necessary knowledge, skills, and dispositions required for beginning level teachers. Prereq: Admission to Early Childhood Education major or MEd program. Repeatable to a maximum of 30 cr hrs or 2 completions.

5191.02 Supervised Student Teaching Internship: Middle Childhood Education U G 3 - 15

Student teaching is designed to assess and support preservice 4th-9th grade teachers as they develop the necessary knowledge, skills, and dispositions required for beginning level teachers. Prereq: Admission to Middle Childhood Education Major or MEd program. Repeatable to a maximum 30 cr hrs or 2 completions.

5195.01 Reflective Seminar: Early Childhood Education U G 1 - 4

This course serves as the place for mediating learning & applying it to the practical. You will engage in reading, discussion, & reflection to develop your understanding of the relationship between what you learn in the university classroom & what you experience in the elementary classroom. Prereq: Admission to Early Childhood Education Major or MEd program. Repeatable to a maximum of 10 cr hrs or 5 completions. This course is graded S/U.

Education: Teaching and Learning 5

5195.02	Reflective Seminar: Middle Childhood Education	U G	1 - 4
Reflective Seminar is part one of a 3-part seminar that takes place over the course of 3 semesters. This course includes what is often viewed as the more traditional 'science' of teacher preparation. Prereq: Admission to Middle Childhood Education Major or MED program. Repeatable to a maximum of 10 cr hrs or 5 completions. This course is graded S/U.			
5195.09	Reflective Seminar: Child and Youth Studies	U G	1 - 4
This course is designed to assess and support student in their final year as they develop the necessary knowledge, skills, and dispositions required for entry level education professionals. Prereq: Admission to Child and Youth Studies Major. Repeatable to a maximum of 10 cr hrs or 5 completions. This course is graded S/U.			
5220	Foundations of Middle Childhood Teaching and Learning	U G	3
Introduces the foundations and major concerns in middle childhood education using contemporary research, scholarship, and practice, and exploring traditional and newer course materials. Prereq: Not open to students with credit for 601 and 603.			
5225	Diverse Literature and Comprehension - Elementary-Middle Education	U G	3
Meets state requirements for understanding theory and methods linking the teachers' understanding of diverse literature with comprehension theory and practice and the related construction of literate environments.			
5226	Composing Print + Digital Multimodal Texts	U G	3
This course focuses on interactive, creative, critical, dialogic approaches for teaching and learning composing in both print and digital multimodal formats, and is particularly applicable to early and middle childhood classrooms.			
5230	Language Arts Methods for Preservice Middle Childhood Teachers	U G	3
Preservice teachers study methods for teaching middle childhood students' reading and writing. They explore the significance of students' interests, language, and communities to their knowledge and meaning-making of the Language Arts. Prereq: Not open to students with credit for 706.			
5270	Mathematics Methods for Preservice Middle Childhood Teachers	U G	3
Preservice teachers study methods for teaching middle childhood mathematics. These methods include instruction, assessment, and learning theory to support the teaching and learning of mathematics in grades 4 through 9.			
5275	Science Methods for Preservice Middle Childhood Teachers	U G	3
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. Prereq: Not open to students with credit for 719.			
5280	Social Studies Methods for Preservice Middle Childhood Teachers	U G	3
Preservice teachers study planning, teaching and assessing of students' learning of social studies education, emphasizing the value of using effective and diverse teaching strategies and meaningful learning activities appropriate for grades 4-9. Prereq: Not open to students with credit for 738.			
5282	The Social Transitions of 4th and 5th Grade Learners	U G	3
Focuses on the social and emotional development of the early adolescent in society, home and in the classroom setting. Prereq: 3160 or HDFS 2410, and EduTL 3189, 4189, or 5189; or Grad standing.			
5284	Integrating Language Arts and Social Studies in 4th and 5th Grades	U G	3
Related to the integration of LA/SS. The focus is on curriculum, pedagogy, and integration specific to 4th/5th grades. Prereq: 5102, 5137, and 5339; or Grad standing.			
5468	Foundations of Reading and Literacy	U G	3
Introduction to the theories and practices of teaching and learning of literacy for children in early and middle childhood. Major themes of the course are a child-centered philosophy of literacy instruction and diversity awareness - the need for teachers to be aware of the diversity of backgrounds and abilities that children bring to the classroom and of strategies for dealing with that diversity.			
5469	Language and Word Study for All Learners	U G	3
This course provides a detailed examination of the ways that oral and written languages work and how this supports development of English word reading and spelling skills for learners who are monolingual speakers of Standard English as well as those who speak other languages and varieties of English. Prereq: 5468.			
5471	Clinical Practice in Treating Reading Disabilities	U G	3
Use of test materials in the diagnosis of reading disabilities; practice with remedial procedures. Prereq: 5470, or permission of instructor. Not open to students with credit for 671. Repeatable to a maximum of 6 cr hrs.			

Educational Studies

2189S	First Education Experience Program (FEEP)	U	3 - 5
Provides opportunities for students to explore education as a possible career path via a combination of field and seminar requirements. Students spend time in local, public PreK-12 school-based settings, interacting with various professionals and students. GE service learning course.			

Educational Studies: Counselor Education

2272	Seminar: Personal Growth to Increase Career Competencies	U	2
Designed to provide opportunities to assist in self-exploration of and clarification for more effective development beyond the level of average performance. Prereq: Not open to students with credit for EduPAES 270.02. This course is progress graded (S/U).			
2273	Seminar: Study Skills Related to Career Goals	U	2
Designed to assist underachieving students with their efforts to ascertain and resolve the causes of low academic productivity; attitudinal and behavioral skills emphasized. Prereq: Not open to students with credit for EduPAES 270.03. This course is progress graded (S/U).			

Educational Studies: Educational Psychology

1359	Critical Thinking and Collaboration in Online Learning	U	3
Teaches skills for effective collaboration, research, communication, and critical thinking in college and beyond. Students will develop as modern learners who are able to self-regulate while also functioning effectively as team members. Topics covered include online learning tools, search strategies, organization, use of evidence in argumentation, presentations, and self-assessment.			
2059	Becoming a Self-Regulated Learner	U	2
This course will build strategies and motivation to overcome recent academic challenges and prepare for success in the future. Main topics we will cover include self-regulation, active learning, studying, using resources, planning, goal setting, and time management. Our entire course is geared toward helping students become self-regulated learners.			
2309	Psychological Perspectives on Education	U	3
This course deals with the major theories of human development, motivation and learning. Planning of instruction, teaching strategies, assessment and classroom management are examined. Authentic pedagogical practices are used to gain an understanding of the teaching and learning process. Prereq: Not open to students with credit for EduPL 309.			

Educational Studies: Philo & Hist of Education

4280	History of Modern Education	U	3
Development of educational institutions, practices, and theories in the modern world, particularly in U.S., and the social and intellectual movements influencing them.			
4403	Ethics and the Professional Context of Teaching	U	3
Examination of the practice of teaching at national, state and local levels, highlighting the legal, professional, and ethical issues surrounding American schools and teaching.			

Educational Studies: Quant Rsrch, Evaltn & Msrmnt

3005	Learner Centered Classroom Assessment	U	3
Offers an in-depth look at classroom assessment that meets the needs of 21st century teaching and learning. During this course, prospective teachers will determine how classroom assessment strategies can benefit their teaching practices and their students learning. They will study how to plan, develop, and manage student-centered assessment.			

Educational Studies: Special Education

5651	Introduction to Exceptional Children	U G	3
Introduction to Exceptional Children is an overview of the education of exceptional learners. This course focuses on students whose attributes/learning abilities differ from the norm to such an extent that an individualized program of special education is required to meet their needs. Enrollees will learn about the categories of special education (and their criteria), prevalence, and demographics.			
5734.02	Methods of Instruction for Elementary Children with Mild/Moderate Disabilities: Mild/Moderate	U G	3
This is a method course with a field placement that will provide students with information and strategies for working with children who have mild disabilities. Prereq: 5742 or 5734.02; and enrollment in Special Education: Mild/Moderate major; or permission of instructor.			
5735.02	Methods of Instruction for Secondary Students with Mild/Moderate Disabilities: Mild/Moderate	U G	3
Provides advanced training in specialized techniques and advanced teaching strategies for middle and high school students with mild/moderate disabilities. Prereq: 5743, or 5743.02, or EduPAES 5743; and enrollment in Special Education: Mild to Moderate major; or permission of instructor.			

6 Engineering

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 1140 or 1141; or Math 1150 or above. Not open to students with credit for Engineer 183.01, 183.02, Engr 1182.01, 1182.02, 1182.03, 1282.01, 1282.02, 1282.03, 1282.04, 1186.01, 1187, or 1188.

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: 1181.01 or 1181.02 or 1281.01H or 1281.02H or 1281.03H. Prereq or Concur: Math 1141; or Math 1151 or above. Not open to students with credit for Engineer 181.01 or 181.02 or Engr 1186 or 1187 or 1188; not repeatable if credit earned for 1182.01 or 1182.02 or 1182.03 or 1282.01H or 1282.02H or 1282.03H or 1282.04H.

Engineering Technology (BS)

1200 Introduction to Engineering Technology U 1

Introduction to the roles available in engineering technology, professional development planning for students pursuing this degree, and exposure to common elements in engineering technology. Course work will emphasize written and verbal communication skills. Prereq: Enrollment in the BSET program.

1500 Manufacturing Processes I U 3

History of manufacturing, tools and machines, and operations of the machine shop equipment. Opportunity to function individually and on teams, and communicate effectively to learn to work in groups to accomplish a task. The skills learned from this class are transferable to all areas of day to day professional life which makes it valuable in other contexts.

1600 Engineering Graphics U 3

Develop skills in graphic design and visualization through experience creating and interpreting 2D Computer Aided Drawings in AutoCAD. Explore various forms of technical graphics used in the field of Engineering Technology including facility layouts, piping and instrumentation diagrams, and electric schematics. Emphasis on utilizing technical graphics to solve Engineering Technology problems.

2500 Manufacturing Processes II U 2

Modern manufacturing processes. Design, create, and assembly of structure/objects by combining the manufacturing and graphical design knowledge. Opportunity to function individually and on teams and communicate effectively to learn to work in groups to accomplish a task. The skills are transferable to all areas of day-to-day professional life which makes it valuable in other contexts. Prereq: 1500.

English

1109 Intensive Writing and 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. Prereq: EduTL1902 (108.01) or 1902.04 (108.01), or English Placement Level 4. Not open to students with credit for 1109 (109.01 or 109.02), 1110.01 (non-DL version), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1110.03 (110.03), 1167H (167H), 110.01. This course is available for EM credit. GE writing and comm course: level 1.

1110.02 First-Year English Composition U 3

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. Prereq: EduTL 1902 or 1902.04, or English Placement Level 4. Not open to students with credit for 1109, 1110.01, 1110.01H, 1110.02 (non-DL version), 1110.02H, 1110.03, 1167H, or equiv. This course is available for EM credit. GE writing and comm course: level 1.

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. This course is available for EM credit only through the AP program. Prereq: 1109, or English Placement Level 5 (Placement Level 4 allowed if student requests service). Concur: 1193. Not open to students with credit for 1110.01 (110.01), 1110.01H (110.01H), 1110.02 (110.02), 1110.02H (110.02H), 1167H (167H), or 110.03, or equiv. GE writing and comm course: level 1.

1193 Individual Studies U 1-4

Intensive practice in the fundamentals of expository writing. Prereq: Permission of Director of First-Year Writing. Concur: 1110.03. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.

2201 Selected Works of British Literature: Medieval through 1800 U 3

An introductory critical study of the works of major British writers from 800 to 1800. Prereq: 1110.01, or equiv. Not open to students with credit for 2201H. GE lit and diversity global studies course.

2202 Selected Works of British Literature: 1800 to Present U 3

An introductory critical study of the works of major British writers of the 19th and 20th centuries. Prereq: 1110 (110.01), or equiv. Not open to students with credit for 2202H (202H) or 202. GE lit 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 lit and diversity global studies course.

2261 Introduction to Fiction U 3

Examination of the elements of fiction -- plot, character, setting, narrative, perspective, theme, etc. -- and their various interrelations; comparisons with nonfictional narrative may be included. Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 2261H (261H) or 261. 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.

2282 Introduction to Queer Studies U 3

Introduces and problematizes foundational concepts of the interdisciplinary field of queer studies, highlighting the intersections of sexuality with race, class, and nationality. Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 282 or WGSSt 2282 (282). GE cultures and ideas and diversity soc div in the US course. Cross-listed in WGSSt.

2290 Colonial and U.S. Literature to 1865 U 3

Introductory study of significant works of U.S. literature from its Colonial origins to 1865. Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 290. 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.

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 Methods for the Study of Literature U 3

Serves as the "Methods" course for the Literature and Creative Writing concentrations within the English major. Its purpose is to familiarize students with literary studies in such a way as to prepare them for advanced courses in all literary fields and the genres of Creative Writing. Required of English majors. Open to English majors only or others by dept permission. Prereq: 1110.01, and declared major in English. Sr students must have the permission of the Director of Undergraduate Studies. Not open to students with credit for 2298 or 3398H.

4514 Middle English Literature U 3

A study of non-Chaucerian classics from late medieval England, such as Sir Gawain and the Green Knight, Piers Plowman, and The Book of Margery Kempe. Prereq: 6 cr hrs in English at 2000-3000 level, or permission of instructor. 5 qtr or 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 514.

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

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 or 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 or hrs for 583. Repeatable to a maximum of 6 cr hrs.

Evolution, Ecology and Organismal Biology

Evolution, Ecology and Organismal Biology 7

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 232. GE nat sci bio course. NS Admis Cond course.			
3320	Organismal Diversity	U	3
A survey of organismal diversity and the evolutionary relationships between and within major groups of organisms. Class is laboratory based. Prereq: 3310. Not open to students with credit for 405.01 and 405.02.			
3410	Ecology	U	4
Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, and applied perspectives. Also available summer term at Stone Lab. Prereq: Biology 1114 or 1114H, or permission of instructor. Not open to students with credit for 503.01, 503.02, and 503.03.			
4999	Undergraduate Thesis Research	U	1 - 12
Undergraduate research towards a thesis in Evolution and Ecology, or Zoology. Prereq: 8 cr hrs in Biological Sciences, and permission of instructor. Repeatable to a maximum of 12 cr hrs or 5 completions. This course is graded S/U.			

Exploration

1100.01	University Exploration Survey	U	1
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.			
1100.01H	Exploration Survey	U	1
University survey class for new freshmen honors students.Prereq: First year student in Exp or 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.			

Film Studies

2367.01	The American Film Auteur	U	3
An intermediate course centering around the work of one important US filmmaker that extends and refines expository writing and analytic reading / viewing skills. Prereq: English 1110 (110) and Soph standing, or enrollment in Film Studies major. Repeatable to a maximum of 6 cr hrs. GE writing and comm course: level 2.			
2367.02	The American Film Genre	U	3
An intermediate course centering around the works of one important US film genre that extends and refines expository writing and analytic reading / viewing skills. Prereq: English 1110 (110) and Soph standing, or enrollment in Film Studies major. Repeatable to a maximum of 6 cr hrs. GE writing and comm course: level 2.			

French

1101.61	Beginning French I: Individualized DL	U	1 - 4
Individualized introduction to French via distance learning; development of listening, reading, speaking, and writing skills. Taught in French. Course not open to native speakers, 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 or 4 credits of 1101.51. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course.			
1102.61	Beginning French II: Individualized DL	U	1 - 4
Continued individualized study of French via distance learning; development of listening, reading, speaking, and writing skills; readings based on contemporary French culture and literature. Taught in French.Prereq: 1101.01, or completion of 4 cr hrs of 1101.51 or 1101.61. Not open to students with credit for 1102.01 or 4 credits of 1102.51. Repeatable to a maximum of 4 completions or 4 cr hrs. This course is available for EM credit. GE for lang course.			
1103.61	Beginning French III: Individualized DL	U	1 - 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 via distance learning.Prereq: 1101.01 and 1102.01; or completion of 4 cr hrs of 1101.51 or 1101.61, and completion of 4 cr hrs of 1102.51 or 1102.61. Not open to students with credit for 1103.01, 1103.02, 1103.03, or 1103.04; or 4 cr hrs of 1103.51. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course.			

Geography

1900	Extreme Weather and Climate	U	4
Surveys characteristics and processes of Earth's atmosphere and how it interacts with the planet's surface, oceans, and human activity. The course focuses on how these interactions work to produce extreme weather events and climate extremes and how they affect people. Prereq: Not open to students with credit for 1900H (120H), 2960 (220), 5900 (520), 120, or AtmosSc 2940 (230). GE nat sci phys course.			
2400	Economic and Social Geography	U	3
Geographic analysis of relationships between society and economy; focusing on such issues as globalization, production and consumption, inequality and social difference.Prereq: Not open to students with credit for 2400H. GE soc sci human, nat, and econ resources and diversity global studies course.			

Health and Rehabilitation Sciences

3000	Introduction to the Health Sciences Major and Career Opportunities	U	1
An introduction to the Health Sciences major, tools for success, and careers in healthcare and health-related services.Prereq: Enrollment in Health Sciences Program. This course is graded S/U.			
3400	Health Promotion and Disease Prevention	U	3
Introduction to the concepts and theories involved in health promotion and disease prevention.Prereq: Acceptance into Health Sciences program, or permission of instructor.			
4000	Application of Ethical Decision Making in Health Care	U	3
Examination of ethical theories, bioethical principles, personal ethics, and ethical decision making, using a six-step model for application in the allied health professions.			
4189	Health Sciences Internship	U	1 - 3
Field experience in a health care system highlighting health management, health & wellness, or other health science.This course is graded S/U.			
4370	Community and Policy Influence in Health Care	U	3
The course covers historical, societal, political, and economic forces influencing the accessibility, cost, quality of personal and public health services. Students are exposed to major U.S. health policy issues concerned with health improvement and protection, and the related financing, organization, and delivery of healthcare.Prereq: 3400, or permission of instructor.			
4600S	Health after Mid-Life	U	3
Study of physical, psychological, and social components of normal aging and chronic disease for optimal aging; open to students interested in career in aging. Prereq: Not open to students with credit for AllMed 665.			
4950	Program Development and Evaluation for Health Sciences	U	3
Exposes the student to practical methods that can be used to develop, and evaluate health services programs in a variety of settings.Prereq: 3400, or permission of instructor.			
4998	Undergraduate Research in Health Science	U	1 - 5
Guided research by undergraduate students. Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 15 completions. This course is graded S/U.			

History

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 concur: English 1110.xx, or permission of instructor. Not open to students with credit for 1151 (151). GE historical study and diversity soc div in the US course.			
2001H	Launching America	U	3
Studies American society from earliest times to the abandonment of Reconstruction policies in 1877. Students will study the relation of structural changes in American society to the development of radical ideology, political institutions, and culture.Prereq or concur: Honors standing, and English 1110.xx; or permission of instructor. Not open to students with credit for 2001. 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 concur: 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.			
2231	The Crusades	U	3
Examines the various European crusades - in the Holy Land, Spain, Eastern Europe, and southern France - from their origins to the late 15th century. Sometimes this course is offered in a distance-only format. Prereq or concur: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.			

8 History

2641 Global History to 1500 U 3

Examines the major issues that have shaped the human experience from the beginnings of human civilization (ca. 3500 B.C.E.) to ca. 1500 C.E., through comparative study of civilizations within the context of religion, trade, technology, art, culture, and gender relations. Prereq or concur: English 1110.xx, or permission of instructor. Not open to students with credit for 1681 (181). GE historical study and diversity global studies 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 concur: English 1110.xx, or permission of instructor. GE historical study and diversity global studies 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 concur: English 1110.xx.

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: English 1110.xx, or permission of instructor. Not open to students with credit for 577.01. GE historical study course.

3045 American Religious History U 3

An examination of religious history of the United States from colonial era to the present. Prereq or concur: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 578. GE historical study course.

3080 Slavery in the United States U 3

The African American experience in slavery, focusing on the rise of the slave trade, slavery in the colonial and antebellum eras, the Civil War, and abolition. Prereq or concur: English 1110.xx; or permission of instructor. Not open to students with credit for 559 or AfAmAST 3080. GE historical study course. Cross-listed in AfAmAST.

3090 Comparative Slavery U 3

Different forms of slavery and other forms of unfree labor in different cultures, focusing mainly on Europe, the Americas, and Africa. Prereq: English 1110.xx and any History 2000-level course; or permission of instructor. Not open to students with credit for 588 or AfAmAST 588. GE historical study course.

3550 War in World History, 500-1650 U 3

Study of the causes, conduct, and consequences of warfare around the world, 500-1650. 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 global studies course.

3570 World War II U 3

Study of the causes, conduct, and consequences of World War II. Prereq: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

3580 The Vietnam War U 3

Study of the background, causes, conduct, and consequences of the Vietnam War, 1945-1975. Prereq or concur: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

4245 Seminar in Early Modern European History U 3

Advanced research and readings on selected topics in Early Modern European History.

Prereq or concur: English 1110.xx, a grade of C or above in History 2800, and any 3000-level History course; or permission of instructor.

Human Nutrition

2210 Science of Human Nutrition U 3

Basic principles of biological science, emphasizing the interaction between nutrients and physiological (including cellular) processes. Prereq: Not open to students with credit for 210. GE nat sci bio course.

Kinesiology: Sport, Fitness, and Health Program

1195.01 Yoga I U 1

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 EduPAES 195.01.

Landscape Architecture

2000 Introduction to Landscape Architecture U 1

Introduction to the profession of Landscape Architecture and the breadth of Landscape Architectural projects and practice. This course is graded S/U.

Mathematics

1050 Precollege Mathematics I U 5

Fractions and decimals, basic algebra, graphing lines, factoring, systems of equations. Credit for this course will not count toward graduation in any degree program. Prereq: 1040 (040) or 050, or Math Placement Level T, or permission of department. Not open to students with credit for any Math course above 1050 (050). This course is available for EM credit.

1075 Precollege Mathematics II U 4

Algebraic, rational, and radical expressions; functions and graphs; quadratic equations; absolute value; inequalities; and applications. Credit for this course will not count toward graduation in any degree program. Prereq: 1074 or 075; or a grade of C- or above in 1050; or Math Skills Assessment Level R or S; or ACT math subscore of 22 or higher that is less than 2 years old. Not open to students with credit for any Math course above 1075, except for 1116; or for any quarter-system course above 075, except for 116. This course is available for EM credit. GE quant reason basic computation course.

1116 Excursions in Mathematics U 3

Critical thinking and problem solving, with relevant topics met in everyday life. Appropriate for non-science majors. Prereq: 1073, 1074, 1075, 75, or 104; or Math Placement Level R or above; or ACT math subscore of 22 or higher that is less than 2 years old. Not open to students with credit for 1152 (153) or above. GE quant reason math and logical any 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, or ACT math subscore of 22 or higher that is less than 2 years old. 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 any 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 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 any course.

1135 Number and Operations for Teachers U 5

The first course in a two semester sequence for teachers of elementary and middle grade students. This course focuses on concepts of numbers and arithmetic operations, including modern and historical perspectives. Prereq: A grade of C- or above in 1075; or credit for 1074, 75, or 104; or Math Placement Level R or above; or ACT math subscore of 22 or higher that is less than 2 years old. Not open to students with credit for 106.

1136 Measurement and Geometry for Teachers U 5

This course is the second in a two semester sequence for teachers of elementary and middle grade students. This course focuses on concepts of measurement and geometry, including modern and historical perspectives. Prereq: A grade of C- or above in 1135.

1148 College Algebra U 4

Functions: polynomial, rational, radical, exponential, and logarithmic. Introduction to right-angle trigonometry. Applications. Prereq: A grade of C- or above in 1075, or credit for 104 or 148, or Math Placement Level N, or ACT math subscore of 22 or higher that is less than 2 years old, 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 any

1149 Trigonometry U 3

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

1151 Calculus I U 5

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

1154 Calculus I for Engineering Technology U 4

Calculus I for Engineering Technology is the first in a two-course calculus sequence specifically designed for Engineering Technology. It covers standard Calculus topics including limits, differentiation, integration, optimization, and approximation with an emphasis on building mathematical intuition, problem solving ability and using appropriate technology to find solutions. Prereq: A grade of C- or above in 1148 and 1149, or grade of C- or above in 1144 or 1150, or Math Placement Level L. Not open to students with credit for 2153 or above.

1155 Calculus II for Engineering Technology U 4

Calculus II for Engineering Technology is the second in a two-course calculus sequence specifically for Engineering Technology. It covers standard Calculus topics including related rates, Taylor Polynomial approximations, differential equations and functions of several variables with an emphasis on building mathematical intuition, problem solving and using appropriate technology to find solutions. Prereq: A grade of C- or above in 1154.

1172 Engineering Mathematics A U 5

Techniques of integration, Taylor series, differential calculus of several variables. Applications. Prereq: A grade of C- or above in 1114 (114), 1151, 1156, 1161.xx, 152.xx, 161.xx, or 161.01H. Not open to students with credit for 1152, 1534 (153.xx), or 1544 (154), or for any Math class numbered 1172 or above, or for any quarter-system Math class numbered 254.xx or above. Not open to students majoring in Math, pre-Actuarial Science, or Actuarial Science. This course is available for EM credit.

2138 Calculus and its History for Teachers U 3

This is one of two independent courses which follow Math 1136 to provide necessary content for middle grade teachers. This course focuses on functions and calculus, including modern and historical perspectives. Prereq: A grade of C- or above in 1136; and a grade of C- or above in 1149 or 1150, or credit for 150, or math placement level L.

Microbiology

4000.01 Basic and Practical Microbiology U 4

Provides an understanding of microorganisms and their interaction with the human experience. Prereq: 3 or hrs in Biology. Not open to students with credit for 4000 or 4000.02. GE nat sci bio course.

Molecular Genetics

4500.01 General Genetics U 3

The principles of genetics, including molecular genetics, transmission genetics of prokaryotes and eukaryotes, developmental and non-chromosomal genetics, recombinant DNA and genomics, and the genetics and evolution of populations. Taught in person. Prereq: Biology 1101, 1113, or 1113H, and 3 additional sem or hrs in Biological Sciences. Not open to students with credit for 4500, 4500.02, or 4606.

Music

2031 The Informed Beginning Pianist U 3

This course is designed for people with little or no musical background who want to learn how to play piano and gain valuable insights into how piano music has shaped cultural values and norms. GE VPA course.

2203.03 University Chorus U ½ - 2

Selected choral works are studied and performed. Prereq: Admission by audition only. Repeatable to a maximum of 16 or hrs or 8 completions. VSP Admis Cond course.

2216.11 Applied Music (Non Major): Piano U 2

Course provides fundamental applied piano instruction in piano for non-majors and minors. Prereq: Permission of instructor. Not open to Music majors. Repeatable to a maximum of 16 or hrs.

2251 The World of Classical Music U 3

An introduction to the world of classical music and to its genres, composers, styles, societies, and historical periods. No music background is required. Prereq: Not open to students with credit for 251 or Music majors. GE VPA and diversity global studies course. VSP Admis Cond course.

2251E The World of Classical Music U 3

An introduction to the world of classical music and to its genres, composers, styles, societies, and historical periods. No music background is required. Music 2251E is an honors embedded course. Prereq: Honors standing or permission of instructor. Not open to students with credit for 251 or Music majors. GE VPA and diversity global studies course. VSP Admis Cond course.

3345 Topics in Music History U 3

Topics vary; study of selected topics in music history and world music. Repeatable to a maximum of 15 or hrs. GE VPA course.

3370 Music for Elementary Teachers U 2

Music literature and teaching aids for children, including singing, rhythmic, creative, and listening experiences, and their presentation. Prereq: Not open to students with credit for 370.

Philosophy

1100 Introduction to Philosophy U 3

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

1300 Introduction to Ethics U 3

The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts. Prereq: GE cultures and ideas course.

1332 Ethics in the Professions: Introduction to Engineering Ethics U 3

An examination of contemporary issues in engineering ethics in the context of major ethical theories. Prereq: Not open to students with credit for 1300. GE cultures and ideas course.

1500 Introduction to Logic U 3

Deduction and induction; principles of clear statement and valid reasoning; fallacies; and the methods by which theories and laws are established. Prereq: Math 1060 or 1075 or equiv; or an ACT Math subscore of 22 or higher; or Math Placement Level R or better. Not open to students with credit for 1500.01, 1500.02, or 1501. GE quant reason math and logical any course.

2340 The Future of Humanity U 3

Examination of long-term ethical challenges facing humanity due to technological, environmental, and other developments. GE cultures and ideas course.

Physics

1200 Mechanics, Kinematics, Fluids, Waves U 5

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

1201 E&M, Optics, Modern Physics U 5

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

1231 Physics for Engineering Technology: Electricity and Magnetism U 3

Calculus-based introduction to electricity and magnetism, for students in Engineering Technology. Prereq: 1250, 1250H, or 1260; and Math 1141, 1151, or 1154 or above; or permission of instructor. Concur: Math 1152, 1158, 1161, 1172, 1181H, or 4181H. Not open to students with credit for 1251. This course is available for EM credit. GE nat sci phys course.

1250 Mechanics, Work and Energy, Thermal Physics U 5

Calculus-based introduction to classical physics: Newton's laws, work and energy, fluids, thermodynamics; for students in physical sciences, mathematics, and engineering. Prereq or concur: Math 1141, 1151, 1156, 1161, 1181H, or 4181H. This course is available for EM credit. GE nat sci phys course.

1251 E&M, Waves, Optics, Modern Physics U 5

Calculus-based introduction to electricity and magnetism, waves, simple optics, and quantum mechanics; for students in physical sciences, mathematics, engineering. Prereq: 1250, 1250H, or 1260; and Math 1141 or 1151 or above; or permission of instructor. Concur: Math 1152, 1161, 1172, 1181H, or 4181H. This course is available for EM credit. GE nat sci phys course.

Political Science

1100 Introduction to American Politics U 3

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

1165 Introduction to Politics U 3

Introduction to politics and political science: power, democracy and authoritarianism, political participation, the state, political institutions, subfields of the discipline, and political research methodology. Prereq: Not open to students with credit for 165 or 165H. GE soc sci orgs and politics course. SS Admis Cond course.

4143 Race, Ethnicity, and American Politics U 3

The goal of this course is to explore, discuss, and better understand the relationship between perceptions of racial identity, attributions of racial difference, and politics, broadly defined.

Psychology

1100 Introduction to Psychology U 3

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

10 Psychology

1100H	Introduction to Psychology	U	3
A prerequisite to advanced courses; a broad survey of psychological science. Application of the scientific method to the empirical study of behavior with emphasis on individual and cultural differences. Prereq: Honors standing, or permission of instructor. Not open to students with credit for 1100 (100), 1100E (100E), or 100H. GE soc sci indivs and groups and diversity soc div in the US course.			
2220	Data Analysis in Psychology	U	3
Discussion of statistical analysis of psychological data - random samples, graphical and numerical techniques of descriptive statistics, correlation, regression, probability, sampling distribution, and hypothesis testing. Prereq: 1100 or 1100H, and Stat 1450, Math 1130, 1148, 1149, 1150, or 1151, or equiv, or Math Placement Level M or higher; or permission of instructor.			
2300	Research Methods in Psychology	U	3
An overview of issues, methods, and techniques of scientific psychological research. Students must be pursuing majors or minors in Psychology. Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 300.			
2301	Psychology of Extraordinary Beliefs	U	3
Considers beliefs in extraordinary phenomena through the application of the findings and principles of psychological science. Prereq: Not open to students with credit for 301.			
2303	Positive Psychology	U	3
Introduction to the field of positive psychology. Topics include positive affect, subjective well-being, optimism, psychological strengths, emotional intelligence, compassion, humor, and spirituality. Prereq: Not open to students with credit for Psych 303.			
2367.01	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.			
3312	Memory and Cognition	U	3
An introduction to experimental study of human memory and cognition. Prereq: 1100 or 1100H.			
3313	Introduction to Behavioral Neuroscience	U	3
Introduction to the structure and function of the nervous system in relation to behavior. Prereq: 1100 or 1100H.			
3331	Abnormal Psychology	U	3
Examination of current theories and empirical findings regarding the major forms of psychopathology and treatment. Prereq: 1100 or 1100H. Not open to students with credit for 2367.02, 3331H, or 3331E.			
3340E	Introduction to Life Span Developmental Psychology	U	3
A survey of developmental psychology including some phylogenetic perspective. Prereq: Honors standing, and 1100 (100) or 1100H (100H); or permission of instructor. Not open to students with credit for 340, 340H, or 340E.			
3375	Stereotyping and Prejudice	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 or 1100H. GE diversity soc div in the US course.			
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.			
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.			
4531	Health Psychology	U	3
Introduction to health psychology; health-promoting and health-damaging behaviors; modification of health behaviors; stress and coping; management of illness; stress management strategies. Prereq: A grade of C- or above in 2220 and 2300. Not open to students with credit for 531.			
4540	Counseling Psychology	U	3
Issues within the field of counseling psychology including assessment, counseling skills, multicultural issues, career, professional, and ethical issues. Prereq: A grade of C- or above in 2220 and 2300; and a grade of C- or above in 2367.02, 3331, 3335, or 3530.			

4543	Psychology of Gender	U	3
An examination of the origins and implications of gender differences and similarities and the role that gender plays in the interpretation of behavior. Prereq: A grade of C- or above in 2220 and 2300. Not open to students with credit for 4543E.			
4998	Undergraduate Research in Psychology	U	1 - 5
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.			

Religious Studies

2370	Introduction to Comparative Religion	U	3
Introduction to the academic study of religion through comparison among major traditions (Judaism, Christianity, Islam, Hinduism, Buddhism, etc.) and smaller communities. Prereq: English 1110 (110) or equiv. Not open to students with credit for 2370H or CompStd 2370H (270H) or 2370 (270). GE cultures and ideas and diversity global studies course.			

Russian

2335.01	Magnificence, Mayhem, and Mafia: Russian Culture	U	3
Russian culture from its foundations to the 21st century through analysis of literature, film, music, visual arts, beliefs, and customs. Taught in English. Prereq: Not open to students with credit for 2355, 2335.99, 135, or 235. GE cultures and ideas and diversity global studies course.			

Social Work

1120	Introduction to Social Welfare	U	3
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	U	3
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	U	3
Examination of the structure of human societies, cultures, and institutions from the perspective of oppressed minority populations. Prereq: Not open to students with credit for 300. GE diversity soc div in the US course.			
3101	Professional Values and Ethics	U	3
Introduction to the NASW Code of Ethics, ethical theory, and ethical issues and dilemmas that confront professional social workers. Prereq: Enrollment in SocWork major. Not open to students with credit for 690.			
3201	Social and Economic Justice: Strategies for Social Work	U	3
Introduces students to social and economic justice and injustice and presents multiple strategies to pursue social justice, with a particular emphasis on the role of advocacy. Prereq: Enrollment in SocWork major. Not open to students with credit for 521.			
3301	Lifespan Development in Social Work	U	3
Explores human development across the lifespan, with an emphasis on conceptualizing individuals holistically, taking into account factors from various theories that may have relevance to each age group. Offers information about the importance of understanding lifespan development in social work, basics of lifespan development, research and the scientific method, and major theories and theorists.			
3401	Research & Statistics for Understanding Social Work Problems and Diverse Populations	U	3
This is the first course in the BSSW program sequence preparing students to effectively work with research evidence and statistics as social work professionals. Students will develop the requisite skills and knowledge for beginning to identify, assess, and apply existing bodies of evidence to answer questions about social work problems and diverse populations. Prereq: Math 1060 or 1075 or above or Math Placement Level R or above, and admission to the Social Work major. Not open to students with credit for 3401E.			
3402	Research & Statistics for Understanding Social Work Interventions	U	3
This is the second course in the BSSW program sequence preparing students to effectively work with research evidence and statistics as it applies to social work interventions at multiple levels. Students will develop the requisite skills and knowledge for beginning to identify, assess, and apply research evidence to inform and evaluate social work practices at multiple levels of intervention. Prereq: 3401.			
3501	Engagement and Interviewing Skills	U	3
Addresses interviewing skills critical to social work. Didactic and experiential methods will provide a foundation for practice and facilitate entry into the field. Prereq: Jr or Sr standing, and enrollment in SocWork major.			

Social Work 11

3502	Foundations of Generalist Practice	U	3
Introduces students to the theories, knowledge and skills of generalist social work practice, with an emphasis on work with individuals. Prereq: 3501. Not open to students with credit for 645.			
3503	Social Work Practice with Diverse Populations	U	3
Foundation knowledge and a social work perspective for working with diverse populations, especially those who are oppressed and marginalized. Prereq: 3501.			
3600	Introduction to Psychopathology and Social Work Practice	U	3
This course will familiarize students with the major mental disorders, offer strategies for building on clients' strengths and resilience, provide basic tools for screening and referral, and impart knowledge of the mental health delivery system and its resources.Prereq: Jr or Sr standing in social work major, or permission of the department.			
4188.01	Undergraduate Field Seminar	U	1
Integration of knowledge and practice; problem solving and discussion of social work practice issues, values, and ethics. Taken concurrently with field practicum.Prereq: 3502 (645). Concur: 4189. Repeatable to a maximum of 2 cr hrs.			
4189	Field Practicum	U	5
Internship in a social work agency. Students integrate classroom knowledge and skills with practice experiences.Prereq: 3502 (645). Concur: 4188.01 or 4188.02. Repeatable to a maximum of 10 cr hrs. This course is graded S/U.			
4193	Individual Studies	U	1 - 3
Individual study projects in selected areas of social work and social welfare. Prereq: 6 cr hrs in SocWork or related courses, and approval of instructor. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.			
4501	Generalist Practice with Families	U	3
Application of professional values, knowledge, and skills essential for effective generalist social work practice with families. Prereq: 3502 (645). Not open to students with credit for 646.			
4502	Generalist Practice with Groups	U	3
Application of professional values, knowledge, and skills essential for effective generalist social work practice with small groups. Prereq: 3502 (645). Not open to students with credit for 646.			
4503	Generalist Practice with Larger Systems	U	3
Application of professional values, knowledge, and skills essential for effective generalist social work practice with organizations and communities.Prereq: 4502. Not open to students with credit for 647.			
5013	Integrative Body-Mind-Spirit	U G	2
Introduces knowledge and skills regarding assessment and treatment techniques pertaining to a holistic approach of mind, body, and spirit treatment. Prereq: Jr, Sr, or Grad standing in SocWork, or permission of department.			
5024	Social Work Licensure Exam Strategies and Skills	U G	2
Provides instruction on test taking strategies, learning content and developing a study plan to pass the Bachelor and Clinical licensure exam. Provides students with a five volume study guide and a guarantee backed by AATBS to pass the exam. All content revised to reflect the changes in the Ohio Social Worker rules and access to multiple online practice tests in study and exam modes. Prereq: Sr or Grad standing in Social Work. This course is graded S/U.			
5030	Global Social Work Perspectives on Poverty and Inequality	U G	3
This course examines the nature and dimensions of poverty and inequality in the U.S. and across the world, considers individual and social consequences of poverty, and examines historic and contemporary approaches to ameliorating poverty including review of major poverty and social welfare policy and programs. Focuses on helping students understand why poverty matters to social workers.Prereq: Undergrad or Grad standing in SocWork.			
5805	Theories and Biological Basis of Substance Misuse	U G	3
The focus of this course is to explore traditional and contemporary theories, and their supporting evidence, related to substance misuse and the etiology of substance use disorders (including addiction). Satisfactory completion of introductory psychology and introductory biology course content is preferable/recommended, but not required.Prereq: Jr, Sr, or Grad standing; or permission of instructor. Not open to students with credit for 3805.			
5806	Diagnosis and Treatment of Substance Use Disorders	U G	3
The focus of this course is to introduce concepts and current issues related to screening, assessment, diagnosis, and treatment for individuals with potential substance use disorders. It is also designed to meet chemical dependency educational content for Ohio's Licensed Chemical Dependency Counselor credentials.Prereq or concur: 3805 or 5805.			

Sociology

1101	Introductory Sociology	U	3
Fundamental concepts of sociology and introduction to the analysis of social problems and interactions (e.g. wealth, gender, race, inequality, family, crime) using sociological theories. Au, Sp, Su Sems. Prereq: Not open to students with credit for 1101H (101H), 1101E, 101, RuriSoc 1500 (105), or equiv. GE soc sci orgs and polities and diversity soc div in the US course.			
3410	Criminology	U	3
Theories of delinquency, crime, and criminal careers; scientific aspects of crime measurement. Prereq: Not open to students with credit for 410.			
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.GE soc sci human, nat, and econ resources course.			

Spanish

1101	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 3 or more years of high school Spanish. Students with 1+ years of high school Spanish must take the MultiCAT placement exam.Prereq: Not open to students with credit for 1101.01, 1102, 1102.01, 1103, 1103.01, 1113, 1155, or equiv. courses. This course is available for EM credit. GE for lang course.			
1102	Spanish II	U	4
Further development of listening, reading, speaking, and writing skills in cultural contexts. Both classroom-based and 100% online sections available each semester. Not open to native speakers of this language through regular course enrollment or EM credit.Prereq: 1101 or 1101.01. Not open to students with credit for 1102.01, 1103.01, 1103.51, 1155, or equiv. courses. This course is available for EM credit. GE for lang course.			
1103	Spanish III	U	4
Continuing development of listening, reading, speaking, and writing skills in cultural contexts. Both classroom-based and 100% online sections available each semester. A grade of C- or above is required to continue to 2202. Not open to native speakers of this language through regular course enrollment or EM credit.Prereq: 1102 or 1155 or equiv. Not open to students with credit for 1103.01, 1103.51, 2202.01, or 2202.51. This course is available for EM credit. GE for lang course.			
2151	Latin American Culture and Literature	U	3
Introduction to the culture of Spanish America and Brazil through literature, art, music, film, and folklore. Prereq: Not open to students with credit for 151. GE cultures and ideas and diversity global studies course.			

Statistics

1350.01	Elementary Statistics	U	3
Introduction to probability and statistics, experiments, and sampling, data analysis and interpretation.Prereq: Math 1050, or Math Placement Level S, or permission of instructor. Not open to students with credit for GE Data Analysis course (AEDEcon 2005, AnimSci 2260, Astron 3350, Chem 2210, 2210H, ComLdr 3537, EarthSc 2245, Econ 3400, ENR 2000, Geog 2200.01, 2200.02, HCS 2260, IntStds 3400, Ling 2051, 2051H, Philos 1520, Physics 3700, PolitSc 3780, 4781, Social 3549, Stat 1350, 1350.01, 1430, 1430.01, 1430.02, 1430H, 1450, 1450.01, 1450.02, 2450, 2450.01, 2450.02, 2480, 2480.01, 2480.02, 3450, 3450.01, 3450.02, 3460, 3470, 3470.01, 3470.02, 4202, 5301, or 5302). GE data any course.			
1430.01	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. In-person recitation.Prereq: Math 1131, 1141, 1151, 1156, 1161.xx, or 1181H, or permission of instructor. Not open to students with credit for 1430, 1430.02, or BusMgt 2320. GE data any course.			
1450.01	Introduction to the Practice of Statistics	U	3
Algebra-based introduction to data analysis, experimental design, sampling, probability, inference, and linear regression. Emphasis on applications, statistical reasoning, and data analysis using statistical software.Prereq: Math 1116 or 1130 or above, or Math Placement Level L or M, or permission of instructor. Not open to students with credit for 1450, 1450.02, 2450, 2450.01, 2450.02, 2480, 2480.01, or 2480.02. GE data any course.			

Theatre

2000.11	Technical Production Practicum: Box Office	U	1
Provides experience in technical production activities. Repeatable to a maximum of 6 cr hrs or 6 completions.			

12 Theatre

2100	Introduction to Theatre	U	3
<p>A study of the art and profession of theatre, with an emphasis on evaluating and appreciating live performance, theatre's cultural importance, and its relationship to issues of social diversity. Students study performance conventions, texts, & spaces from ancient times to present day. While not an acting class, students get firsthand experience in the collaborative process of theatre creation. Prereq: Not open to students with credit for 2100H or 2101H. GE VPA and diversity soc div in the US course.</p>			
2211	Introduction to Production Design	U	3
<p>Introduction to scenic, costume, lighting and sound design techniques for production; experience in research and designing projects.</p>			
2367.03	Criticizing Television	U	3
<p>Study of theatre history at an intermediate level with emphasis on writing skills. A critical analysis of a wide variety of television programs through viewing, discussing, reading, and writing. Prereq: English 1110 (110) or equiv. and Soph, Jr. or Sr standing. Not open to students with credit for 2367.xx (367.xx) or ArtEduc 2367.03 (367.03). GE writing and comm course: level 2 and diversity soc div in the US course. Cross-listed in ArtEduc.</p>			
2811	The Craft of Acting	U	3
<p>An introductory acting class exploring the basic techniques of imagination, concentration, character development, and script analysis through work on monologues, scenes, and plays. Prereq: Not open to students with credit for 280. GE VPA course.</p>			
3000	Production Run Crew Practicum	U	1 - 2
<p>Hands-on involvement in the production of live theatre; participation leading to a more thorough understanding of theatre and in particular theatre design and technology. Repeatable to a maximum of 8 cr hrs or 4 completions.</p>			
3611	Introduction to Lighting Design	U	3
<p>Introduction to basic lighting design elements for the stage including research, collaboration, basic electrical practice, color theory, drafting, and lighting stage work. Prereq: 2211. Not open to students with credit for 221.</p>			
3732	History of Performance II	U	3
<p>In this course, we will delve into the history of theatre from 1780 to the present. Attention will be paid to global contexts, theatrical texts, as well as the history of the crafts of theatrical design, directing, and acting. Prereq: 2100, 2100H, or 2101H.</p>			
3814	Acting Studio III: Special Topics	U	3
<p>An advanced acting studio focused on various acting topics, techniques, and approaches. Topics may include Shakespeare, improvisation, period styles, and others. Prereq: 2811, and permission of instructor. Not open to students with credit for 382. Repeatable to a maximum of 9 cr hrs.</p>			
4000.08	Practicum: Acting	U	1 - 3
<p>Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor, by audition. Repeatable to a maximum of 18 cr hrs or 8 completions.</p>			
4000.09	Practicum: General	U	1 - 3
<p>Individual theatrical performance and production activities at an advanced level under faculty supervision. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.</p>			
4921S	Performance Studies in Outreach Theatre	U	3
<p>Use of improvisational acting techniques to develop the performance of an outreach touring theatre production. Prereq: Permission of instructor, by audition. Repeatable to a maximum of 6 cr hrs.</p>			
5961	Playwriting	U G	3
<p>Students will write 10-minute plays as exploratory exercises, analyze contemporary plays to deepen familiarity with the theatrical form, and, as a final project, write a one-act play which will receive a staged reading. Seminar and Workshop.</p>			
Women's, Gender, and Sexuality Studies			
1110	Gender, Sex and Power	U	3
<p>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. GE cultures and ideas and soc sci indivs and groups and diversity soc div in the US course.</p>			
2282	Introduction to Queer Studies	U	3
<p>Introduces and problematizes foundational concepts of the interdisciplinary field of queer studies, highlighting the intersections of sexuality with race, class, and nationality. Prereq: Not open to students with credit for English 2282. GE cultures and ideas and diversity soc div in the US course. Cross-listed in English.</p>			