### Accounting and Management Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200</td>
<td>Introduction to Accounting I</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3300</td>
<td>Cost Accounting</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3601</td>
<td>Introduction to Information Systems</td>
<td>U</td>
<td>1½</td>
</tr>
</tbody>
</table>

The role of information systems in capturing and distributing organizational knowledge and enhancing management decision making process, 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 BSSA program and Business Management specialization.

### African American and African Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1121</td>
<td>African Civilizations to 1870</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1122</td>
<td>African Civilizations, 1870 to the Present</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

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

### Anatomy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2300.01</td>
<td>Human Anatomy</td>
<td>U</td>
<td>4</td>
</tr>
</tbody>
</table>

Regional study of the basic structure and terminology associated with the human body. Laboratory includes demonstrations on prosected human cadavers. Prereq: Health Science students in Continuing Education (CED), University Exploration (EXP), and Arts and Sciences (ASC). Not open to students with credit for 3300.

### Anthropology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200</td>
<td>Introduction to Physical Anthropology</td>
<td>U</td>
<td>4</td>
</tr>
</tbody>
</table>

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

### Art

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2100</td>
<td>Visual Studies: Beginning Drawing</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2555</td>
<td>Photography I - Digital Camera</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

Introduces photographic theory, practice, and aesthetics with image production, commercial lab prints and critiques. Student provides digital camera, minimum 6 mp, with full manual controls and exposure compensation available GE VPA course.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2602</td>
<td>Intro to Ceramics - Low Fire Techniques</td>
<td>U</td>
<td>3</td>
</tr>
</tbody>
</table>

Introduction to the art phases of low fire temp ceramics; laboratory practice with various modeling and potter's wheel techniques with lectures covering a broad survey of the field of ceramics. Prereq: Not open to students with credit for 340 or 342.

### Arts and Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>Career Readiness for Arts &amp; Sciences Majors</td>
<td>U</td>
<td>1</td>
</tr>
</tbody>
</table>

Breaden understanding of career fields and learn about how to increase readiness for obtaining work related to career goals. Also covers writing resumes, obtaining internships, and effective strategies for finding employment after graduation. Prereq: Not open to students with credit for 400.01 or ESCE 2271 (EduPAES 270.01). This course is graded S/U.
Principles for managing the performance of individuals and groups in organizations; introduction to organizational behavior 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.

### Business Admin: Management Sciences

#### 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), 2330 (360), 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

#### 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.

### 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 sub-score 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.

#### 1210 General Chemistry I U

First course for science majors, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, thermochromy, electron configuration, bonding, molecular structure, gases, liquids, and solids. Prereq: One unit of high school chemistry, and Math Placement Level L, M, or R, or a grade of C- or above in Math 1130 (130), 1131 (131), 1148 (148), 1150 (150), or above. Not open to students with credit for 2210 (123), 1620 (162), 1923H (202H), 1250 (125), 1610, or 1910H (202H). 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, M, or R, 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), 2910, or 2910H (251H). This course is available for EM credit. GE nat sci phys course.

### Computer Science and Engineering

#### 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 (130) or above. Not open to students with credit for 1111 (101), 1112 (105), or 200. This course is available for EM credit. GE quant reason math and logical anly course.

### 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. 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 determination 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 AEDEcon 2001 (200). This course is available for EM credit. GE soc sci human, nat, and econ resources course. SS Admins 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 polities course.

### Education: Teaching and Learning

#### 2357 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 Field Experience U 1 - 2

Field experience within teaching and learning majors. Prereq: Admission to Teaching and Learning 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 equiv. Not open to students with credit for 656 or 3356E. GE lit course.

#### 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.

#### 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.

#### 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.

#### 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 Supervised Student Teaching Internship U G 3 - 15

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

#### 5195 Reflective Seminar U G 1 - 4

Seminar held in conjunction with field experience or student teaching internship. The goals are to process, reflect upon, and enhance benefits of the school experiences. Prereq: Admission to major in Education or Master in Education. Repeatable to a maximum of 10 cr hrs or 5 completions. This course is graded S/U.

#### 5225 Reading Multicultural Literature Across Middle Childhood Curricula U G 3

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

#### 5270 Mathematics Methods for Preservice Middle Childhood U G 3 Teachers

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 8. Prereq: Not open to students with credit for 709.
**Science Methods for Preservice Middle Childhood Teachers**  
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.

**The Social Transitions of 4th and 5th Grade Learners**  
Focuses on the social and emotional development of the early adolescent in society, home and in the classroom setting.  
Prereq: 3161 or HDFS 2410, and EdTL 3169, 4189, or 5189; or Grad standing.

**Reading Foundations**  
Introduction to basic concepts about the reading process, learning to read, sociocultural factors affecting literacy development and effective literacy instruction.  
Prereq or concourse: 2269 or 3356. Not open to students with credit for 668.

**Understanding Phonics and Its Role in Instruction**  
Detailed examination of how English maps spellings to pronunciations, the role of phonics knowledge in learning to read, and effective assessment and instruction.  
Prereq: 5468.

**Assessment and Instruction for Struggling Readers**  
Provides an introduction to theories, assessments, and instructional practices that effectively address the literacy needs of struggling and at-risk readers.  
Laboratory experience required.  
Prereq: 5468 and 5469, or permission of instructor.

---

**Educational Studies: Counselor Education**

**First Education Experience Program (FEEP)**  
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.

**Seminar: Study Skills Related to Career Goals**  
Designed to assist undergraduates 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).

**Individual Learning and Motivation: Strategies for Success in College**  
Teaches learning and motivation strategies to help students manage time, improve grades, and achieve college success.  
Prereq: Not open to students with credit for EduPL 259.

**Becoming a Self-Regulated Learner**  
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.

**Psychological Perspectives on Education**  
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**

**School and Society**  
Use of concepts and methods of history, philosophy and the social sciences to grasp the interrelationship between society and education.  
Prereq: Not open to students with credit for EduPL 306. GE diversity soc div in the US course.

**Fundamentals of Engineering I**  
Engineering problem solving utilizing computational tools such as Excel and Matlab; hands-on experimentation; modeling; ethics; teamwork; written, oral and visual communications.  
Prereq or concourse: 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.

---

**Education: Teaching and Learning**

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

**First-Year English Composition**  
Practice in the fundamentals of expository writing, as illustrated in the student's own writing & in the essays of professional writers. May be available as a service learning course with five hours community service required at the Lima campus only.  
Prereq: EdTL 1189 (109.01) or 192.04 (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), 1170.01.  
This course is available for EM credit. GE writing and comm course: level 1.

**First-Year English Composition**  
Intensive practice in the 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: 1189. 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.

**Individual Studies**  
Intensive practice in the fundamentals of expository writing.  
Prereq: Permission of Director of First-Year Writing.  
Concur: 1193. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.

**Selected Works of British Literature: Medieval through 1800**  
An introductory critical study of the works of major British writers from 800 to 1800.  
Prereq: 1110.01 (110.01), or equiv. Not open to students with credit for 2202H (202H) or 201. GE lit and diversity global studies course.

**Selected Works of British Literature: 1800 to Present**  
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.

**Thematic Approaches to Literature**  
An introduction to literature through the examination of a major theme as treated in different genres and periods; topic varies by semester.  
Prereq: 1110.01 (110.01) or equiv. Not open to students with 10 qtr cr hrs for 275. Repeatable to a maximum of 6 or hrs. GE lit course.

**Colonial and U.S. Literature to 1865**  
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 250G. GE lit course.

**Language, Identity, and Culture in the U.S. Experience**  
Extends & refines expository writing & analytical reading skills, emphasizing recognition of intertextuality & reflection on compositions 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 2367H (367H). 210, 267, 267H, 301, 353, or equiv.  
GE writing and comm: level 2 and diversity soc div in the US course.

**Special Topics in Popular Culture**  
Focused study in reading popular culture texts, organized around a single theme, period, or medium.  
Prereq: 1110.01 (110.01) or equiv. Repeatable to a maximum of 6 cr hrs. GE cultures and ideas course.

**Science Fiction and/or Fantasy**  
Introduction to the tradition and practice of speculative writing. Provides students the opportunity to examine and compare works of science fiction and/or fantasy.  
Prereq: 1110.01 (110.01) or equiv. Not open to students with credit for 372. GE lit course.

**Methods for the Study of Writing, Rhetoric and Literacy**  
Introduction to the interrelated fields of Writing, Rhetoric, and Literacy, familiarizing students with key concepts that underlie work in these interrelated fields and to the scholarly methods of WRL. Together, this discipline studies the ways people use language and other symbols to convey messages, persuade audiences, and create meaning, and how these practices are learned and taught.  
Prereq: 1110. Not open to students with credit for 2279.

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

4584.02 Major Author in 18th- and 19th-Century British Literature U 3
Intensive study of one of the major authors of the period. Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with credit for 584.02.

4573.01 Rhetorical Theory and Criticism U 3
Examination of persuasive strategies in a representative selection of genres, such as oratory, news articles, editorials, essays, advertisements, fiction, digital media, and film. Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with credit for 573.01.

4581 Special Topics in U.S. Ethnic Literatures U 3
Study of selected issues or forms in U.S. ethnic literatures and cultures. Topic varies. Examples: Native American autobiography, Asian American poetry; Latino/a novel. Prereq: 10 qtr cr hrs or 6 cr hrs of English at 2000-3000 level, or permission of instructor. 5 qtr cr hrs in 367 or 3 cr hrs in 2367 in any subject is acceptable towards the 6 cr hrs. Not open to students with 10 qtr cr hrs for 581 or 8 sem cr hrs for 4581. Repeatable to a maximum of 6 cr hrs.

Environment and Natural Resources

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

2300 Society and Natural Resources U 3
Introduction to interactions between humans, natural resources, and ecosystems from a social science perspective. Au, Sp, Su Sems. Prereq: Not open to students with credit for 203. GE soc sci human, nat, and econ resources course.

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.

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 cr hrs 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 cr hrs 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 AtmoSci 2940 (220). GE nat sci phys course.

2750 World Regional Geography U 3
Develops students' knowledge of world geography through the twin concepts of region and globalization; focuses on culture, society, politics, economy, and the interplay between people and the environment. Prereq: Not open to students with credit for 200 or 2750H (203H). GE soc sci human, nat, and econ resources and diversity global studies course. SS Admin Cond course.

German

1101.01 German I U 4
Introduction to language and culture of the German-speaking world, with emphasis placed on the acquisition of basic communication skills in cultural context. CEFR Levels A1/A2. Not open to native speakers of this language through regular course enrollment or EM credit, or to students with 2 or more years of study in this language in high school, except by permission of instructor. Prereq: Not open to students with credit for 1101.51. This course is available for EM credit. GE for lang course.

1103.01 German III U 4
Development of skills for independent use of German. Discussions, presentations, writing & listening/viewing activities that address topics of the contemporary German-speaking world. CEFR Level B1. Not open to native speakers of this language through regular course enrollment or EM credit. Prereq: 1102.01, or 4 sem cr hrs of 1102.51, or 1266, or concour: 1102.01, or 1102.51, or permission of instructor. Not open to students with credit for 1103.51. This course is available for EM credit. GE for lang course.

History

1151 American Civilization to 1877 U 3
The political, constitutional, social, and economic development of the United States from the colonial period through the era of Reconstruction. Prereq or concour: English 1110.xx. Not open to students with credit for 1150, 2001, or 151. GE historical study course. This course is available for EM credit.

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 concour: English 1110.xx, or permission of instructor. Not open to students with credit for 1152 (152). 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 concour: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

2250 Empires and Nations in Western Europe, 1500 - Present U 3
Comparative study of the Modern European Overseas Empires from the "age of discovery" to the postcolonial present. Sometimes this course is offered in a distance-only format. Prereq or concour: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

2322 The Roman Empire, 69-337 CE U 3
An advanced survey of Rome's imperial history from the end of the Julio-Claudian dynasty to the death of Constantine. Prereq or concour: English 1110.xx, or permission of instructor. GE historical study course.

2346 Tudor and Stuart Britain, 1485-1714 U 3
The social, political, and religious history of England and the British Isles in the age of Renaissance, Reformation, and Revolution. Prereq or concour: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 514.01. GE historical study course.

3281 Imperial Russian History, 1700-1917 U 3
Survey of Russian history from the reign of Peter the Great to the 1917 revolutions. Prereq or concour: English 1110.xx, or permission of instructor. GE historical study and diversity global studies course.

4010 Readings in Modern U.S. History U 3
Advanced readings on selected topics in Modern U.S. History. Prereq or concour: English 1110.xx, any 3000-level History course, and enrollment in History major, or permission of instructor. Repeatable to a maximum of 6 cr hrs.

4015 Research Seminar in Modern U.S. History U 3
Advanced research and writing on selected topics in Modern U.S. History. Prereq or concour: English 1110 or equiv, and course work in History at the 3000 level, or permission of instructor. Repeatable to a maximum of 6 cr hrs.
### Western Art I: Ancient and Medieval Worlds
- **Units**: U 3
- **Description**: Examination of the history of Western Art from the third millennium BCE to the fifteenth century CE.
- **Prerequisite**: Not open to students with credit for 201 or 210. This course is available for EM credit. GE VPA and historical study and diversity global studies course.

### Human Nutrition
- **Units**: U 3
- **Description**: Basic principles of biological science, emphasizing the interaction between nutrients and physiological (including cellular) processes.
- **Prerequisite**: Not open to students with credit for 210. GE nat sci bio course.

### Kinesiology: Sport, Fitness, and Health Program
- **First Aid and CPR**: U 2
- **Description**: Necessary skills to sustain life, reduce pain, and minimize consequences of injury/illness during an emergency. Course is designed to lead to Certification. Lab fees required.
- **Prerequisite**: Not open to students with credit for EduPAES 102.

- **Introduction to Health and Wellness in American Society**: U 2
- **Description**: A study of student health problems; designed to foster understandings and attitudes needed for intelligent decision-making related to present and future health needs.

- **Principles of Fitness and Wellness**: U 2
- **Description**: Course is designed to introduce students to concepts of wellness which include domains of the physical, social, emotional, spiritual, environmental, occupational, intellectual, and financial. The course will emphasize the relationship between wellness and quality of life over the lifespan. Students will develop a personal program that includes exercise, nutrition, and disease prevention.

- **Conditioning Activities: Strength Training**: U 1
- **Description**: Students will participate in a progressive strength and endurance training program using weight machines, free weights, and other strength equipment.

- **Lifetime Fitness and Wellness Cardiovascular Training**: U 2
- **Description**: Online course that promotes principles of fitness and wellness over the lifespan.
- **Prerequisite**: Not open to students with credit for 1147, 1148.05 or 1149.05, 1150.01 or 1150.02.

- **Varsity Squads: Volleyball**: U 2
- **Description**: Participation as a player on an OSU varsity squad.
- **Prerequisite**: Must be a member of the OSU varsity volleyball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

- **Cancer Prevention**: U 2
- **Description**: Discussion of the latest findings on avoiding cancer through lifestyle choices and assessment of one’s family health history.
- **Prerequisite**: Not open to students with credit for EduPAES 250.

### Mathematics
- **Precollege Mathematics I**: U 5
- **Description**: Fractions and decimals, basic algebra, graphing lines, factoring, systems of equations. Credit for this course will not count toward graduation in any degree program.
- **Prerequisite**: 1040 (040) or 050, or Math Placement Level T, or permission of department.

- **Precollege Mathematics II**: U 4
- **Description**: 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.
- **Prerequisite**: 1074 or 075; or a grade of C- or above in 1080; 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 1125 (150) or above. This course is available for EM credit.

- **Excursions in Mathematics**: U 3
- **Description**: Critical thinking and problem solving, with relevant topics met in everyday life. Appropriate for non-science majors.
- **Prerequisite**: 1073, 1074, 1075, 75, or 104; or Math Placement Level R or above; or ACT math subscore of 22 or higher that is less than 2 years old. Not open to students with credit for 1125 (150) or above. GE quant reason math and logical anly course.

- **College Algebra for Business**: U 4
- **Description**: Algebraic, exponential, and logarithmic functions. Matrix algebra. Applications to business.
- **Prerequisite**: A grade of C- or above in 1075, or credit for 104, or Math Placement Level M or N, 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 1148 (150) or above. This course is available for EM credit. GE quant reason math and logical anly course.

### History of Art
- **History of Art**: 5
- **Description**: Survey of calculus of one and several variables; applications to business.
- **Prerequisite**: A grade of C- or above in 1130, 1144, 1148, or 1150, or credit for 130, 148, or 150, or Math Placement Level L. Not open to students with credit for 1511 (151) or above, or 1134 (132). This course is available for EM credit. GE quant reason math and logical anly course.

### Engineering Mathematics A
- **Number and Operations for Teachers**: U 3
- **Description**: Functions: polynomial, rational, radical, exponential, and logarithmic. Introduction to right-angle trigonometry. Applications.
- **Prerequisite**: A grade of C- or above in 1075, or credit for 104 or 148, or Math Placement Level N, or 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 anly course.

- **Trigonometry**: U 3
- **Description**: Trigonometric functions and their properties. Vectors, polar coordinates and complex numbers. Introduction to right-angle trigonometry. Applications.
- **Prerequisite**: Math Placement Level M. Not open to students with credit for 1144, 1148, or for 1149 or above, or any Math course numbered 150 or above. This course is available for EM credit. GE quant reason math and logical anly course.

### Philosophy
- **Introduction to Philosophy**: U 3
- **Description**: Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion.
- **Prerequisite**: Not open to students with credit for 101 or 101H. GE cultures and ideas course.

### Physics
- **Introduction to Ethics**: U 3
- **Description**: The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts.
- **Prerequisite**: Not open to students with credit for 130 or 130H. GE cultures and ideas course.

### Music
- **The Beatles in 20th Century Music**: U 3
- **Description**: Twentieth-century art music and popular traditions seen through the prism of the Beatles songs.
- **Prerequisite**: English 1110 (110) or 1111 (111), or equiv. Not open to students with credit for 349. GE VPA course.

### Varsity Squads: Volleyball
- **Description**: Participation as a player on an OSU varsity squad.
- **Prerequisite**: Must be a member of the OSU varsity volleyball squad. Repeatable to a maximum of 10 cr hrs or 10 completions. This course is graded S/U.

### Cancer Prevention
- **Description**: Discussion of the latest findings on avoiding cancer through lifestyle choices and assessment of one’s family health history.
- **Prerequisite**: Not open to students with credit for EduPAES 250.
6 Physics

1106.01 Physics by Inquiry: Properties of Matter, Heat and Temperature, and Forces and Motion
Investigation of the properties of matter, motion and thermodynamics using the inquiry technique. Intended for non-science majors.
Prereq: Not open to students with credit for Physics 106 and 107. GE nat sci phys course. NS Admin Cond course.

1250 Mechanics, Thermal Physics, Waves
Calculus-based introduction to classical physics: Newton's laws, fluids, thermodynamics, waves; for students in physical sciences, mathematics, and engineering.
Prereq: 1 unit of Physics or Chem. Concur: Math 1151 (152), 1161 (161), 1181H (161H), or 4181H (190H) or above. Not open to students with credit for 131.

1301 Professional Values and Ethics
Introduction to the NASW Code of Ethics, ethical theory, and ethical issues and dilemmas that confront professional social workers.
Prereq: Enrollment in SocWk major. Not open to students with credit for 690.

1301 Lifespan Development in Social Work
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.

1341 Research & Statistics for Understanding Social Work
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 1080 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.

1351 Engagement and Interviewing Skills
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.

1418.01 Undergraduate Field Seminar
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.

1419 Field Practicum
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.

1451 Generalist Practice with Families
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.

1452 Generalist Practice with Groups
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.

Psychology

1100 Introduction to Psychology
A prerequisite to advanced courses; a broad survey of psychological science. Application of the scientific method to the empirical study of behavior with emphasis on individual and cultural differences.
Prereq: Not open to students with credit for 100, 1100H (100H) or 1100E (100E).

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

2367.01 Social Psychology
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.

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

3313 Introduction to Behavioral Neuroscience
Introduction to the structure and function of the nervous system in relation to behavior.
Prereq: 1100 or 1100H.

3331 Abnormal Psychology
Examination of current theories and empirical findings regarding the major forms of psychopathology and treatment.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 2367.02, 331, 3313H (331H), or 3313E (331E).

3530 Theories of Personality
Major theoretical and research orientations in the study of normal and abnormal personality development, with a focus on personality processes.
Prereq: 1100 (100) or 1100H (100H). Not open to students with credit for 530.

4520 Social Psychology Laboratory
Training in experimental and quantitative methods in social psychology. Experiments include topics such as attitudes, persuasion, social cognition, and group processes.
Prereq: A grade of C- or above in 2220, 2300, and 2367 prior to SU13, 2367.01, 3325, 3325H (325H), or 3375, and enrollment in Psych major. Not open to students with credit for 4510 (510) or 520.

Rural Sociology

1500 Introduction to Rural Sociology
Principles of society, major social institutions, and social change; emphasizes social changes in rural life, rural organizations, population, and family living.
Prereq: Not open to students with credit for 108, Social 1101 (101), or 201. GE soc sci orgs and polit ics and diversity soc div in the US course.

Social Work

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

1130 Introduction to Social Work in Contemporary Society
An introduction to the core values, fundamental goals, unique functions and methods of the social work profession.
Prereq: Not open to students with credit for 230. GE soc sci indivs and groups course.
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, 1102.01, 1103.01, 1103.01, 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: 1102.01 (103.01) or 1155 (103.66). Not open to students with credit for 104, 104H, 2200H, 1103.51, 2201.01, 2201.51, 2202.51, or 2202.51. This course is available for EM credit. GE for lang course. FL Admis Cond course.

1103.01  Spanish III  U  4
Continuing development of listening, reading, speaking, and writing skills in cultural contexts. A grade of C- or above is required to continue to 2201.01/51 and/or 2202.01/51. Not open to native speakers of this language through regular course enrollment or EM credit.

Statistics

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

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, 1151, 1156, 1161.02, or 1181H, or permission of instructor. Not open to students with credit for 1430, 1430.02, or BusMgt 2320. GE data any course.

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

Theatre

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

2100  Introduction to Theatre  U  3
A study of the art and profession of 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 course.

2811  The Craft of Acting  U  3
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.

3000  Production Run Crew Practicum  U  1 - 2
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 or 4 cr hrs or 4 completions.

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