

## African American and African Studies 1

### African American and African Studies

<b>2122</b>	<b>African Civilizations, 1870 to the Present</b>	<b>U</b>	<b>3</b>
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.			

### Arts and Sciences

<b>2193</b>	<b>Individual Studies</b>	<b>U</b>	<b>1 - 3</b>
Individual Studies for undergraduate students. Prereq: Permission of instructor. Repeatable to a maximum of 6 or hrs or 2 completions. This course is graded S/U.			

### Chemistry

<b>2510</b>	<b>Organic Chemistry I</b>	<b>U</b>	<b>4</b>
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.			

### Comparative Studies

<b>2101</b>	<b>Literature and Society</b>	<b>U</b>	<b>3</b>
Study of relationships among politics, society, and literature; analysis of social and political elements of literature and film from diverse cultures and historical periods. Prereq: English 1110 (110) or equiv. Not open to students with credit for 2101H (201H, 201). GE lit and diversity global studies course.			

### Earth Science

<b>4798</b>	<b>Environmental Sustainability in Costa Rica (Study Tour)</b>	<b>U</b>	<b>3</b>
Traditional lectures and a study tour explore the complex relationship between the use and conservation of natural resources and economic development in Costa Rica, especially the role of protected areas in ensuring the country's environmental sustainability. Within the Earth Sciences B.S. degree, this course can only be used in the Earth System Science subprogram to meet the requirements for credits taken outside Earth Sciences. This course cannot be used to meet any other requirements within the Earth Sciences B.S. Prereq: One college-level geology, ecology, biology, or environmental sciences course; and one college-level Spanish course (or excellent achievement in at least three years in high school Spanish); and permission of instructor.			

### Economics

<b>2001.01</b>	<b>Principles of Microeconomics</b>	<b>U</b>	<b>3</b>
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 AEDEcon 2001 (200). This course is available for EM credit. GE soc sci human, nat, and econ resources course. SS Admis Cond course.			

<b>2002.01</b>	<b>Principles of Macroeconomics</b>	<b>U</b>	<b>3</b>
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

<b>3356</b>	<b>Literature for Adolescents</b>	<b>U</b>	<b>3</b>
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.			

<b>4191</b>	<b>Internship</b>	<b>U</b>	<b>1 - 15</b>
Internship in an educational or community setting. Prereq: Permission of instructor. Repeatable to a maximum of 15 or hrs or 15 completions.			

<b>5195</b>	<b>Reflective Seminar</b>	<b>U G</b>	<b>1 - 4</b>
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 or hrs or 5 completions. This course is graded S/U.			

<b>5226</b>	<b>Literacy, New Media, and Creative Pedagogies for Classrooms</b>	<b>U G</b>	<b>3</b>
Focuses on active and creative approaches to literacy education (including visual and performing arts) that draw on new media and are particularly useful in early and middle childhood classrooms. Prereq: Not open to students with credit for 854.			

<b>5281</b>	<b>Development of 4th and 5th Grade Learners Across the Curriculum</b>	<b>U G</b>	<b>3</b>
Aids students in acquiring a working understanding of the physical, cognitive and language development of the children in 4th/5th grades. Prereq: 3160 or HDFS 2410; or Grad standing. Not open to students with credit for 680.			

<b>5283</b>	<b>Teaching Mathematics, Science and Culture in 4th and 5th Grades</b>	<b>U G</b>	<b>3</b>
Related to teaching mathematics and science with consideration of pedagogy, content, assessment and equity. Prereq or concur: 3189, and 5108 or 5129; or Grad standing. Not open to students with credit for 682.			

<b>5610</b>	<b>Language Arts &amp; ESL Instruction</b>	<b>U G</b>	<b>3</b>
Research, theories, and practices linking second language acquisition and methods of teaching reading, writing, listening, speaking and grammar in ESL and EFL classrooms. Prereq: Admission to an undergraduate, graduate, or graduate non-degree program. Not open to students with credit for 606.			

<b>7428</b>	<b>Trends and Issues in Teaching Reading</b>	<b>G</b>	<b>3</b>
In-depth examination of major trends and issues in teaching reading in the elementary school including research over the last three decades and major issues and concerns currently debated among members of the literacy education profession. Prereq: Not open to students with credit for 828.			

<b>7701</b>	<b>Mathematics Teaching and Learning in Elementary and Middle Schools</b>	<b>G</b>	<b>3</b>
Provides elementary or middle school teachers with skills and knowledge that will strengthen their teaching of mathematical content knowledge and process skills. Prereq: Not open to students with credit for 812.			

<b>7705</b>	<b>Cognition and Socio-Cultural Issues in School Mathematics</b>	<b>G</b>	<b>2</b>
To be successful educators, participants need to have knowledge of child development, child psychology, and influences on student learning such as cultural diversity, limited English proficiency, gender, and physical challenges. Prereq: Not open to students with credit for 721.01.			

<b>7711</b>	<b>K-6 Number and Algebra</b>	<b>G</b>	<b>2</b>
Students will understand concepts such as number, number sense, variable, and equality through an opportunity to learn at a deeper level and to examine instructional strategies to help children. Prereq: Not open to students with credit for 711.			

<b>7719</b>	<b>Providing Professional Development in Mathematics Education</b>	<b>G</b>	<b>2</b>
Require teachers to develop a professional development program that will provide them the opportunity to implement and reflect upon this development as a final assessment of their endorsement. Prereq: Not open to students with credit for 714.			

### English

<b>1110.01</b>	<b>First-Year English Composition</b>	<b>U</b>	<b>3</b>
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.			

<b>1110.03</b>	<b>First-Year English Composition</b>	<b>U</b>	<b>3</b>
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.			

<b>1193</b>	<b>Individual Studies</b>	<b>U</b>	<b>1 - 4</b>
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 or hrs or 6 completions. This course is graded S/U.			

## 2 English

<b>2367.01</b>	<b>Language, Identity, and Culture in the U.S. Experience</b>	<b>U</b>	<b>3</b>
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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.

### Geography

<b>2800</b>	<b>Our Global Environment</b>	<b>U</b>	<b>3</b>
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Introduction to global environmental issues, including the interaction of physical and social factors in the causes of and strategies for ameliorating environmental problems.  
Prereq: Not open to students with credit for 1900 (120), 1900H (120H), 2960 (220), 2960H (220H), or 210. GE nat sci phys course.

<b>3753.02</b>	<b>Geography of the European Union</b>	<b>U</b>	<b>3</b>
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Study abroad in Cyprus. Geographic factors in the economic, social, and political progress of European integration; major problems of the area in the light of their geographic background.Prereq: Permission of instructor. Not open to students with credit for 3753 (510) or 3753.01.

### History

<b>2001</b>	<b>Launching America</b>	<b>U</b>	<b>3</b>
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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.

<b>2002</b>	<b>Making America Modern</b>	<b>U</b>	<b>3</b>
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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 (152). GE historical study and diversity soc div in the US course.

<b>2797.02</b>	<b>The Western Tradition and Contemporary Issues: From Ancient Greece to the Global Present</b>	<b>U</b>	<b>3</b>
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Participating students will have the opportunity to experience, and gain a greater appreciation for, the significance of the Western tradition through Ionian University faculty-led overviews of the various historical eras, beginning with ancient Greece and ending in the modern era, and group excursions to historical sites.  
Prereq or concur: English 1110.xx, or permission of instructor. GE historical study course.

### Human Nutrition

<b>2210</b>	<b>Science of Human Nutrition</b>	<b>U</b>	<b>3</b>
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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

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

<b>1150.02</b>	<b>Lifetime Fitness and Wellness Cardiovascular Exercise Training</b>	<b>U</b>	<b>2</b>
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Online course that promotes principles of fitness and wellness over the lifespan.  
Prereq: Not open to students with credit for 1147, 1148.05 or 1149.05, 1150.01, or EduPAES 1147, 1148.05, 1149.05, 1150.01 or 150.

### Mathematics

<b>1148</b>	<b>College Algebra</b>	<b>U</b>	<b>4</b>
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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 course.

<b>1149</b>	<b>Trigonometry</b>	<b>U</b>	<b>3</b>
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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.

<b>1172</b>	<b>Engineering Mathematics A</b>	<b>U</b>	<b>5</b>
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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.

### Music

<b>2250</b>	<b>Music Cultures of the World</b>	<b>U</b>	<b>3</b>
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A survey of musical cultures outside the Western European tradition of the fine arts.  
Prereq: Not open to students with credit for 250. GE VPA and diversity global studies course. VSP Admis Cond course.

### Philosophy

<b>1100</b>	<b>Introduction to Philosophy</b>	<b>U</b>	<b>3</b>
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Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion.  
Prereq: Not open to students with credit for 101 or 101H. GE cultures and ideas course.

<b>1300</b>	<b>Introduction to Ethics</b>	<b>U</b>	<b>3</b>
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The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts.  
Prereq: Not open to students with credit for 130 or 130H. GE cultures and ideas course.

### Psychology

<b>2220</b>	<b>Data Analysis in Psychology</b>	<b>U</b>	<b>3</b>
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Discussion of statistical analysis of psychological data - random samples, graphical and numerical techniques of descriptive statistics, correlation, regression, probability, sampling distribution, and hypothesis testing.Prereq: 1100 (100) or 1100H (100H), and Stat 1450 (145), Math 1130, Math 1148 (148), Math 1149, 1150 (150), 1151 (151), or 152, or equiv, or Math Placement Level M or higher; or permission of instructor. Not open to students with credit for 220, 220H, 320, or 320H. This course is available for EM credit.

### Social Work

<b>3805</b>	<b>Theories and Biological Basis of Addiction</b>	<b>U</b>	<b>3</b>
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Comparative analysis of theories and models of addiction, including biological, psychological, socio-cultural, and pharmacological aspects, as well as related legal and ethical concerns.  
Prereq: Soph, Jr, or Sr standing.

<b>3806</b>	<b>Substance Use Screening, Assessment, Diagnosis, and Treatment Planning</b>	<b>U</b>	<b>3</b>
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The focus of this undergraduate elective course is to introduce and review concepts and current issues related to screening, assessment, diagnosis, and treatment planning for individuals with alcohol and other drug [AOD] use problems.Prereq: 3805, or permission of instructor.

<b>3807</b>	<b>Intervention and Prevention Strategies in Substance Use</b>	<b>U</b>	<b>3</b>
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Content includes review of the evidence base and techniques for contemporary and historical models of substance misuse prevention and intervention, including vulnerability, risk, resilience and protective factors. This course meets specified hours of chemical dependency educational content for Ohio's Licensed Chemical Dependency credentials.Prereq: 3805, or permission of instructor.

<b>3808</b>	<b>Group and Relationship Approaches in Substance Use Treatment</b>	<b>U</b>	<b>3</b>
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Content includes review of the evidence base and techniques for contemporary and historical models of substance use intervention and prevention, including vulnerability, risk, resilience, and protective factors. This course is designed to meet 45 hours of chemical dependency educational content for Ohio's Chemical Dependency Professional's Board credentialing.Prereq: 3805, or permission of instructor.

### Sociology

<b>1101</b>	<b>Introductory Sociology</b>	<b>U</b>	<b>3</b>
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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 politics and diversity soc div in the US course.

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

### Spanish

**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.  
 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, 2202.01, or 2202.51. This course is available for EM credit. GE for lang course. FL Admis Cond course.

**Theatre**

**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 2101H (101H) or 100. This course is available for EM credit. GE VPA and diversity soc div in the US course. VSP Admis Cond course.

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

**1110 Gender, Sex and Power U 3**

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

**2215 Reading Women Writers U 3**

Study of women writers' strategies for articulating experiences and using literature as a lens for social reality and catalyst for social and political change.  
 Prereq: Not open to students with credit for 215. GE lit course.