The UK Core

General Education Requirements

The University of Kentucky’s general education program – the UK Core – is foundational to a university education at the University of Kentucky. A university education is more than simply learning a set of skills in a specific area in preparation for a job or career. A university education is designed to broaden the students’ understanding of themselves, of the world we live in, of their role in our global society, and of the ideals and aspirations that have motivated human thought and action throughout the ages. It must help individuals effectively put into action their acquired knowledge, to provide the bases for critical thinking and problem solving, and to develop life-long learning habits.

The UK Core is composed of the equivalent of 30 credit hours in 10 course areas that address four broad learning outcomes. Depending on choice of major or courses, some students may take more than 30 credit hours to complete the UK Core.

The UK Core Learning Outcomes

The UK Core curriculum is based on a comprehensive set of student learning outcomes that all students are expected to be able to demonstrate upon completion of a baccalaureate degree at the University of Kentucky. All UK Core courses are designed to meet one or more of the following learning outcomes:

I. Students will demonstrate an understanding of and ability to employ the processes of intellectual inquiry. [12 credit hours]
   Students will be able to identify multiple dimensions of a good question (i.e., interesting, analytical, problematic, complex, important, genuine, researchable); determine when additional information is needed, find credible information efficiently using a variety of reference sources, and judge the quality of information as informed by rigorously developed evidence; explore multiple and complex answers to questions/issues problems within and across the four broad knowledge areas: arts and creativity, humanities, social and behavioral sciences, and natural/physical/mathematical sciences; evaluate theses and conclusions in light of credible evidence; explore the ethical implications of differing approaches, methodologies or conclusions; and develop potential solutions to problems based on sound evidence and reasoning. Students will take four 3-credit courses, one in each of the four broad knowledge areas defined above.

II. Students will demonstrate competent written, oral, and visual communication skills both as producers and consumers of information. [6 credit hours]
   Students will demonstrate the ability to construct intelligible messages using sound evidence and reasoning that are appropriate for different rhetorical situations (audiences and purposes) and deliver those messages effectively in written, oral, and visual form. Students will also demonstrate the ability to competently critique (analyze, interpret, and evaluate) written, oral, and visual messages conveyed in a variety of communication contexts. Students will take one 3-hour course focusing on the development of effective writing skills, and one 3-hour integrated communications course focusing on oral and visual communication skills, along with continued development of written communication skills.

III. Students will demonstrate an understanding of and ability to employ methods of quantitative reasoning. [6 credit hours]
   Students will (a) demonstrate how fundamental elements of mathematical, logical and statistical knowledge are applied to solve real-world problems; and (b) explain the sense in which an important source of uncertainty in many everyday decisions is addressed by statistical science, and appraise the efficacy of statistical arguments that are reported for general consumption. Students will take one 3-hour course on the application of mathematical, logical and statistical methods, and one 3-hour course devoted to a conceptual and practical understanding of statistical inferential reasoning.
IV. Students will demonstrate an understanding of the complexities of citizenship and the process for making informed choices as engaged citizens in a diverse, multilingual world. [6 credit hours]

Students will recognize historical and cultural differences arising from issues such as ethnicity, gender, language, nationality, race, religion, sexuality, and socioeconomic class; students will demonstrate a basic understanding of how these differences influence issues of social justice, both within the U.S. and globally; students will recognize and evaluate the ethical dilemmas, conflicts, and trade-offs involved in personal and collective decision making. Students will take two courses, each with a topical or regional focus. The first course will include critical analysis of diversity issues as they relate to the contemporary United States. The second will be a non-US based course that includes critical analysis of local-to-global dynamics as they relate to the contemporary world. In addition, each course must address at least 2 of these 4 topics: societal and institutional change over time; civic engagement; cross-national/comparative issues; power and resistance.

The Curricular Framework and Relationship to the Learning Outcomes

Students must take one course from each of the areas listed below in order to complete the UK Core. A course taken to satisfy a requirement in one area of the UK Core cannot be used to satisfy a requirement in another area, even if a specific course is present in more than one area (e.g., some courses are designed to meet the learning outcomes in more than one area).

<table>
<thead>
<tr>
<th>Course Areas by Learning Outcome</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Learning Outcome I: Intellectual Inquiry</strong></td>
<td></td>
</tr>
<tr>
<td>The Nature of Inquiry in Arts and Creativity</td>
<td>3</td>
</tr>
<tr>
<td>The Nature of Inquiry in the Humanities</td>
<td>3</td>
</tr>
<tr>
<td>The Nature of Inquiry in the Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>The Nature of Inquiry in the Natural, Physical and Mathematical Sciences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Learning Outcome II: Written, Oral and Visual Communication</strong></td>
<td></td>
</tr>
<tr>
<td>Composition and Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Composition and Communication II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Learning Outcome III: Quantitative Reasoning</strong></td>
<td></td>
</tr>
<tr>
<td>Quantitative Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Inferential Reasoning</td>
<td>3</td>
</tr>
<tr>
<td><strong>Learning Outcome IV: Citizenship</strong></td>
<td></td>
</tr>
<tr>
<td>Community, Culture and Citizenship in the USA</td>
<td>3</td>
</tr>
<tr>
<td>Global Dynamics</td>
<td>3</td>
</tr>
<tr>
<td><strong>UK Core Credit-Hour Total</strong>*</td>
<td>30</td>
</tr>
</tbody>
</table>

*The UK Core is designed to provide the equivalent of 30 credit hours. Some courses in the UK Core require more than three credits, resulting in more than 30 credits in some cases.*
I. Intellectual Inquiry Arts & Creativity

A-S 270 CERAMICS FOR NON-MAJORS 3.0
This is a studio course that explores the arts and creativity through the discipline of ceramics. An overview of historical and contemporary ceramic art practices will be presented as well as the basics of design and composition. Using hand building and wheel throwing techniques, students will explore the sculptural and functional potential of clay as an object-making media. No prerequisites.

A-S 280 INTRO PHOTOGRAPHIC LITERACY 3.0
Students are introduced to photographic literacy through both the study of its history and the practice of making photographs. The historical portion will focus on both photographic literacy and aesthetics. The practice will take students through various styles, genres and technical aspects of the medium.

A-S 285 LENSA RTS 3.0
A-S 285 is an introductory course in digital image capture that focuses on the still and moving image as an art practice. Students will learn the fundamentals of camera operation and editing software in order to visually communicate their creative ideas. Students will be introduced to contemporary lens arts practice through research and assignments. This course is essential for any student wanting to succeed in digital media and/or design. It is a pre-requisite for A-S 246, and thus upper level video classes.

ENG 107 INTRODUCTION TO CREATIVE WRITING 3.0
An introduction to the genres and craft of creative writing, including fiction, nonfiction, and poetry. Students will study and practice writing in various modes through composition, peer critique, and lecture or lecture with discussion section. Offers credit for the UK Core requirement in Intellectual Inquiry in Arts & Creativity. Provides ENG minor credit.

ICT 200 INFORMATION LITERACY & CRITICAL THINKING 3.0
This course provides an introduction to the concepts and practices of information literacy. It explores how to effectively and ethically find, evaluate, analyze, and use information resources in academic and everyday-life situations. Emphasizing critical inquiry and critical thinking, this course will explore theories and definitions surrounding the term ‘information literacy’. Students will put this theory into practice by developing problem-solving skills that allow them to meet information needs throughout their lifetimes. Students will gain a better understanding of how information and knowledge function in society and will develop methods of finding, accessing, evaluating, and using different information sources in an effective and ethical manner.

IS 200 INFORMATION LITERACY & CRITICAL THINKING 3.0
This course provides an introduction to the concepts and practices of information literacy. It explores how to effectively and ethically find, evaluate, analyze, and use information resources in academic and everyday-life situations. Emphasizing critical inquiry and critical thinking, this course will explore theories and definitions surrounding the term “information literacy”. Students will put this theory into practice by developing problem-solving skills that allow them to meet information needs throughout their lifetimes. Students will gain a better understanding of how information and knowledge function in society and will discover methods of finding, accessing, evaluating, and using different information sources in an effective and ethical manner.

II. Intellectual Inquiry in the Humanities

CLA 135 GREEK/ROMAN MYTHOLOGY 3.0
The Greek myths studied both from the standpoint of their meaning to the Greeks and Romans and from the standpoint of their use in later literature and in everyday life. Fulfills UK Core: Inquiry, Humanities.

CLA 191 CHRISTIANITY, CULTURE, & SOCIETY 3.0
A historical introduction to Christianity in its varying cultural contexts, examining the primary developments in its teachings, practices, and structures from its origins to the sixteenth century.

ENG 280 INTRODUCTION TO FILM 3.0
An introduction to the study of films as narrative art and cultural documents. The course involves viewing and analyzing films from different genres and investigating a unified theme or set of topics. Students will learn how to view films closely, how to relate films to their contexts, and how to employ the basic terms and concepts of film analysis. Attention will be paid to student writing, particularly to devising a thesis, crafting an argument, and learning how to use supporting evidence. Viewing films outside of class is required. See departmental listings for different offerings per semester. Offers UK Core credit for Intellectual Inquiry in the Humanities. Does not fulfill ENG premajor requirement. Can be taken for ENG Major Elective credit. Provides ENG minor credit. Credit will not be given to students who already have credit for ENG 281.

LIN 200 HOW TO CREATE YOUR OWN LANGUAGE 3.0
In 1910, J.R.R. Tolkien began construction of a fictional language of the Elves, which ultimately resulted in the creation of at least fifteen different languages and dialects. Why would someone create their own language? And how would a person begin to even do so? In this course, we will answer both questions directly, addressing the impetus for language invention and the process by which one creates a language. By examining a variety of invented languages (such as Esperanto, Klingon, and Dohdraki) and natural languages (such as Spanish, Swahili, and Chinese), we will examine how language works in general and the typical features found within the languages of the world. Throughout the course, students will work on their own languages in stages, concluding with a presentation of their work to the other students at the end of the semester.

MUS 123 BEGINNING CLASSROOM GUITAR 3.0
MUS 123 will be an introductory course for guitar playing as well as a study of the history and repertoire of the guitar. Included will be assigned reading on the different manifestations of the guitar through historical and cross-cultural studies.

MUS 200 MUSIC FOR LIVING 3.0
This course is designed for undergraduate students who wish to gain a global perspective and understanding of the role of music in life and culture, advancements in music, and the impact of music on our own lives. Students will gain a broad musical vocabulary, explore the elements of music relevant to various cultures across time, and contemplate the role of music in their own lives and society through assignments and a collaborative creative project.

PHI 315 PHILOSOPHY AND SCIENCE FICTION 3.0
An examination of fundamental questions in metaphysics, epistemology, and value theory through a comparison of works of philosophy and science fiction. Questions will be discussed such as: Can there be time travel? Can computers think? Can there be non-human persons, and if so how would we identify them? Can there be ways of knowing that are radically different from our own, and what might they be like? How much can a person change while remaining the same person?

Prereq: Sophomore standing.

Prereq: Students must have little or no knowledge of classical/general guitar playing. If students have some experience, ask about MUP 123, Guitar Lessons.

For more information about the UK Core Program, visit: www.uky.edu/registrar/content/uk-core
UK CORE COURSE OFFERINGS – SUMMER 2020

III. Intellectual Inquiry in Social Sciences

ANT 101 WHAT MAKES US HUMAN? INTRO TO ANTHRO 3.0
This course explores what it means to be human by studying human cultures, past and present. Students will develop an understanding of anthropology that emphasizes the concepts and methods of the major sub-fields, i.e., cultural, biological, archaeology, and linguistics.

ANT 103 SPORTS, CULTURE, AND SOCIETY 3.0
From little league baseball to the world of college and professional sports and the numerous ESPN channels that track them, it is clear that sports play a significant role in our culture and society and yet, we often take for granted this significance. This course introduces students to the anthropology of sports through an examination of the rituals, political and economic dimensions, and social and cultural meanings of sports from around the globe in both the past and the present.

COM 101 INTRO TO COMMUNICATIONS 3.0
An introduction to the process of communication as a critical element in human interaction and in society. Designed to enhance effective communication and informed use of the mass media.

COM 313 INTERPERSONAL RELATIONSHIPS 3.0
This course focuses on describing and explaining communication processes that occur within the context of close relationships. Three general topic areas include: (1) developing and escalating relationships, (2) satisfying relationships, and (3) coping with relational challenges.

COM 314 DARK SIDE OF INTERPERSONAL COMMUNICATION 3.0
Provides an overview of research and theory related to the ‘dark side’ of interpersonal communication and relationships. This course will cover topics such as secrets, bullying, cyberstalking, verbal abuse, and revenge between romantic partners, family members, friends, and sometimes strangers.

CPH 202 PUBLIC HEALTH THROUGH POPULAR FILM 3.0
This course will provide students with an introductory understanding of public health concepts through critical examination of popular cinema and instruction in basic public health principles, disease principles, and behavioral and social interactions related to the movie topics. A combination of lectures, readings and film viewing will enable students to understand the relationship between behavioral, environmental, biological and other risk factors with disease, injury or other health outcomes. The effect of social, economic and health systems context will also be examined. In addition, students will learn to distinguish between fact and fiction with regard to the science and activities of public health as portrayed in cinema.

EPE 174 THE COLLEGE STUDENT 3.0
The purpose of EPE174 is to engage students in an interdisciplinary study of higher education from the student’s point of view. We will explore the history of student culture, economics and personal finance issues affecting student access, the exchange value and requirements of the degree credential in today’s society, diverse student populations and organizations, how to build successful academic habits, and what it means to be a member of an inclusive campus.
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GEO 172  HUMAN GEOGRAPHY  3.0
An introduction to geographic perspectives on human political, economic, social, and cultural activities (such as trade, economic development, empire, colonialism and nation building, agriculture, pollution, urbanization, population dynamics). Emphasis is on spatiality (including concepts of location, scale, globalization, maps, migration, and diffusion), place making and regions (including concepts of the cultural landscape, place meaning, race, class, and gender identities, and territoriality), and nature/society relations (including concepts of environmental adaptation and modification, climate change, and sustainability). Fulfills Gen Ed Intellectual Inquiry – Social Science and elementary certification requirement for Education.
   210 ***To Be Arranged***  LEC  John  LOCATION: via Internet

GWS 200  SEX AND POWER  3.0
Introduces Gender and Women’s studies for a social science perspective using cross-cultural and interdisciplinary approaches. Analyzes relations of power marked by gender and how these relate to other social distinctions and processes. Interactive learning format.
   210 ***To Be Arranged***  LEC  Sisko  LOCATION: via Internet

KHP 230  HUMAN HEALTH & WELLNESS  3.0
The study of health promotion, wellness, and disease prevention concepts as applied to individual, familial, and community health.
   210 ***To Be Arranged***  LEC  Ickes  NOTE: Course start date: 05/12/20; course end date: 06/09/20
   211 ***To Be Arranged***  LEC  Krajny  NOTE: Course start date: 06/10/20; course end date: 07/08/20
   212 ***To Be Arranged***  LEC  McMullen  NOTE: Course start date: 07/09/20; course end date: 08/06/20
   LOCATION: via Internet

PS 230  INTRO TO INTERNAT'L RELATIONS  3.0
An introduction to world politics, with an emphasis on conflict and compromise at the international level but also considering domestic political interactions with global consequences. Students learn how social scientists analyze international relations in a variety of policy areas, including both military/defense and economic.
   210 ***To Be Arranged***  LEC  Staff  LOCATION: via Internet
   NOTE: Same as PS 235. If you have taken PS 235, and are not repeating the course, please enroll in a course other than PS 230

PSY 100  INTRO TO PSYCHOLOGY  4.0
An introduction to the study of behavior covering theories, methods and findings of research in major areas of psychology. Topics covered will include the biological foundations of behavior; learning, perception, motivation, personality; developmental, abnormal, and social behavior; and methods of assessment. This course is a prerequisite to a significant number of courses in this and related areas of study. Lecture, three hours; laboratory/discussion, two hours.
   210 ***To Be Arranged***  LEC  Archer  LOCATION: via Internet
   211 ***To Be Arranged***  LEC  Staff  LOCATION: via Internet

SOC 101  INTRO TO SOCIOLOGY  3.0
Introduction to the concepts and methods of sociology. Topics shall include socialization; group processes, social inequalities; social institutions; and social change. This course or its equivalent Sociology courses. Students may not receive credit for both this course and RSO 102.
   210 ***To Be Arranged***  LEC  Imlay  LOCATION: via Internet

IV. Natural, Physical and Mathematical Sciences

ANT 105  HUMAN ORIGINS  3.0
This course is directed at non-majors (with no anthropology prerequisite) and will introduce students to the science of biological anthropology. Students will critically examine the ways in which biology, the environment, society, and culture come together to form the human condition. Guided by evolutionary theory and the scientific method, we will explore the evolutionary history of modern Homo sapiens from early primate origins to our recent hominin ancestors. We will explore the role that evolutionary forces had in shaping the variation that exists in modern humans today; and we will problematize “race” as a way of categorizing that variation.
   210 ***To Be Arranged***  LEC  Worne  LOCATION: via Internet

AST 191  THE SOLAR SYSTEM  3.0
A course emphasizing the nature, origin and evolution of planets, satellites and other objects in the Solar System. Topics also include historical astronomy, the naked eye phenomena of the sky and modern solar system discoveries made by spacecraft. This course may be taken independently of AST 192.
   210 ***To Be Arranged***  LEC  Staff

BIO 102  HUMAN ECOLOGY  3.0
A study of the interrelationships of man, populations, space, energy, food, mineral resources and other life on earth. Not for life science majors.
   210 ***To Be Arranged***  LEC  Shenoy  NOTE: BIO 102-210 will have online, proctored exam(s) through ProctorFree, which will require a fee(s). More information will be provided by the course instructor.
   LOCATION: via Internet

BIO 103  BASIC IDEAS OF BIOLOGY  3.0
Introductory biology. Discussion topics are those relevant to both plants and animals — cell structure and function, molecules important to living things, metabolism, heredity, environment. Not for life science majors.
   210 ***To Be Arranged***  LEC  Croteau  LOCATION: via Internet

CHE 103  CHEMISTRY FOR HEALTH PROFESSIONALS  4.0
A study of the basic concepts of general, organic, and biological chemistry. Topics include electronic structure of atoms and molecules, periodicity of the elements, stoichiometry, states of matter, kinetics, equilibria, acids and bases, organic functional groups, stereochemistry, carbohydrates, lipids, proteins, and enzymes. Topics are presented with an emphasis on application to the allied health professions.
   Prereq: Credit for MA 111, or Math ACT score above 20, or ALEKS Math Placement above 45
   210 ***To Be Arranged***  LEC  Staff  NOTE: Per Senate Rule 4.3.3, students cannot register for this course for a third time. Visit https://wp.as.uky.edu/chemgen/repeating-courses/ to request an exception to this rule. CHE 103-210 will have online, proctored exams, which requires a fee. Students may take the exam in person on campus at no charge, other than transportation costs. More information provided by the course instructor.
   LOCATION: via Internet
   010 W 10:30AM-11:30AM REC JSB 114 Staff

CHE 105  GEN COLLEGE CHEMISTRY I  4.0
A study of chemical principles and their application to pure and mixed substances. Not open to students who have already completed both CHE 109 and CHE 110.
   Prereq: Math ACT of 23 or above (or Math placement test), or MA 109, or MA 110
   010 MTWRF 09:10AM-10:10AM LEC JSB 114 Staff
   210 ***To Be Arranged***  LEC  Staff  NOTE: Per Senate Rule 4.3.3, students cannot register for this course for a third time. Visit https://wp.as.uky.edu/chemgen/repeating-courses/ to request an exception to this rule. CHE 105-210 will have online, proctored exams, which requires a fee. Students may take the exam in person on campus at no charge, other than transportation costs. More information provided by the course instructor.
   CHE 105-210: LOCATION: via Internet

CHE 111  GENERAL CHEMISTRY I LABORATORY  1.0
A laboratory course, to accompany CHE 105 or CHE 110, dealing with the properties of chemical substances and providing an introduction to quantitative chemical analysis.
   Prereq or coreq: CHE 105 or CHE 110.
   010 MTW 01:00PM-03:00PM LAB JSB 244 French
   NOTE: CHE 111: Per Senate Rule 4.3.3, students cannot register for this course for a third time. Visit https://wp.as.uky.edu/chemgen/repeating-courses/ to request an exception to this rule.
   011 MTW 01:00PM-03:00PM LAB JSB 248 French
   NOTE: CHE 111: Per Senate Rule 4.3.3, students cannot register for this course for a third time. Visit https://wp.as.uky.edu/chemgen/repeating-courses/ to request an exception to this rule.

EES 180  GEOLOGY OF THE NATIONAL PARKS  3.0
The American system of national parks and monuments provides a natural and exciting basis for learning about geology, the scientific study of the Earth. These spectacular, diverse natural classrooms will be used to uncover the origin and variety of Earth materials, probe the dynamic processes that have produced and continue to modify internal and surficial environments. Not for life science majors.
   210 ***To Be Arranged***  LEC  Ratajcik  LOCATION: via Internet
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites/Concurrent</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 231</td>
<td>GENERAL UNIVERSITY PHYSICS</td>
<td>4.0</td>
<td>MA 113</td>
</tr>
<tr>
<td>PHY 241</td>
<td>PHYSICS LAB</td>
<td>1.0</td>
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</tr>
<tr>
<td>GEO 130</td>
<td>EARTH'S PHYSICAL ENVIRONMENT</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>MUS 140</td>
<td>ACOUSTICS OF MUSIC</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>CIS 110</td>
<td>COMP AND COM I</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>CIS 112</td>
<td>ACCELERATED COMP AND COM II (CIS)</td>
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</tr>
<tr>
<td>CIS 111</td>
<td>COMP &amp; COMM II</td>
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</tr>
<tr>
<td>CIS 112</td>
<td>ACCELERATED COMP AND COM II (CIS)</td>
<td>3.0</td>
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</tbody>
</table>

**UK CORE COURSE OFFERINGS – SUMMER 2020**

- **ENT 110 INSECT BIOLOGY**
  - Overview of the biology of insects. Emphasizes how this enormously abundant and important group of animals has resolved the basic challenges of survival and reproduction. Principles of physiology, behavior, ecology, and evolution are introduced using insects as examples. The roles of both beneficial and detrimental insects will be discussed.
  - 3.0 credit hours

- **GEO 130 EARTH'S PHYSICAL ENVIRONMENT**
  - A course exploring the fundamental characteristics of earth’s physical environment. Emphasis is placed on identifying interrelationships between atmospheric processes involving energy, pressure, and moisture, weather and climate, and terrestrial processes of vegetative biomes, soils, and landscape formation and change. Fulfills elementary certification requirements in education, and USP cross-disciplinary requirement.
  - 3.0 credit hours

- **MUS 140 ACOUSTICS OF MUSIC**
  - In this class you will investigate the basic principles relating to the nature and production of musical sound. An understanding of these principles will enable you to make meaningful comparisons among sounds, appreciate how the characteristics of sound are dependent on the way it is created, and apply your knowledge in making health conscious decisions concerning the sound environment in which you live. In addition, you will gain some understanding of the acoustical principles in the design of instruments and performance spaces.
  - 3.0 credit hours

- **PHY 211 GENERAL PHYSICS**
  - First part of a two-semester survey of classical and modern physics, focusing on the motion of solids and fluids as governed by Newton’s Laws and by the conservation laws of energy, momentum, and angular momentum. Lecture, two hours; recitation, two hours; laboratory, two hours. Credit is not given to students who already have credit for PHY 231 and 241.
  - 5.0 credit hours

- **CIS 110 COMP AND COM I**
  - To participate effectively in the 21st century, students must be adept at both communicating their ideas effectively to different audiences in a variety of formats and contexts, as well as evaluating the messages sent by others. This integrated composition and communication course is the first in a sequence of two courses that focus on developing student’s abilities to communicate ideas effectively using written, oral, visual, and electronic forms. As such, students will compose and present messages targeted toward different audiences, as well as evaluate the quality of the messages shared by others. Over the course of the semester, students can expect to work independently, with a partner, or with a small group of classmates to prepare messages, as well as to practice and evaluate interpersonal and team dynamics in action.
  - 3.0 credit hours

- **CIS 112 ACCELERATED COMP AND COM II (CIS)**
  - Composition and Communication 112 is an accelerated version of the standard two-semester composition and communication sequence. It focuses on integrated oral, written, and visual communication skill development and emphasizes critical inquiry and research. Students will sharpen their ability to conduct research; compose and communicate in written, oral, and visual modalities; and use interpersonal skills to work effectively in groups (dys and small groups).
  - 3.0 credit hours

- **CIS 111 COMP & COMM II**
  - Composition and Communication II is the second of two general education courses focused on integrated oral, written, and visual communication skill development emphasizing critical inquiry and research. In this course, students will explore issues of public concern using rhetorical analysis, engage in deliberation over those issues, and ultimately propose solutions based on well-developed arguments. Students will sharpen their ability to conduct research; compose and communicate in written, oral, and visual modalities; and work effectively in groups (dys and small groups). A significant component of the class will consist of learning to use visual and digital resources, first to enhance written and oral presentations and later to communicate mass mediated messages to various public audiences. Over the course of the semester, class members can expect to work independently, with a partner, and in a small group (team) to investigate, share findings, and compose and deliver presentations, as well as to practice and evaluate interpersonal and team dynamics in actions.
  - 3.0 credit hours
Composition and Communication II is the second of two general education courses focused on integrated oral, written, and visual communication skill development emphasizing critical inquiry and research. In this course, students will explore issues of public concern using rhetorical analysis, engage in deliberation over those issues, and propose solutions based on well-developed arguments. Students will sharpen their ability to conduct research; compose and communicate in written, oral, and visual modes; and work effectively in groups (in pairs and small groups). A significant component of the class will consist of learning to use visual and digital resources, first to enhance written and oral presentations and later in digital projects intended for various public audiences.

**Prereq:** WRD 110 or CJS 110.

**WRD 110 COMP & COMM I**

Composition and Communication I is the first course in a two-course sequence designed to engage students in composing and communicating ideas using speech, writing, and visuals. Students will develop critical thinking and information literacy skills within an academic context that emphasizes the problems confronting educated citizens of the twenty-first century. Students will practice composing, critiquing, and revising ideas for audiences in oral, written, and visual formats, and will work in small groups to develop interpersonal communication skills.

**Prereq:** Two years of high school algebra and a Math ACT score of 21 or above, or a Math SAT score of 510 or above, or a Math SAT2016 score of 540 or above; or UK 096; or appropriate Math placement test, or consent of the department. Students who enroll in MA 137 based on their test scores should have completed a year of pre-calculus study in high school that includes the study of the trigonometric functions. Note: Math placement test recommended.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

**MA 137 CALCULUS I (LIFE SCI)**

A first course in one-variable calculus. Derivatives and integrals of elementary functions (including trigonometric functions) with applications to the life sciences. Lecture, three hours; recitation, 2 hours per week. Students may not receive credit for MA 113 and MA 137. Note: Math placement test recommended. 

**Prereq:** Math ACT score of 27 or above, or Math SAT of 620 or above, or Math SAT2016 of 650 or above, or a grade of C or better in MA 109, or appropriate math placement score, or consent of department.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

**BST 230 STATISTICAL THINKING IN PUBLIC HEALTH**

BST 230 provides students with an introduction to statistical concepts that are important for solving real-world public health problems. This course will present statistical principles and associated scientific reasoning underlying public health practice and health policy decision-making. Topics include data visualization, summary statistics, statistical inference, study design and data analysis, and strategies for articulating and evaluating claims using statistical constructs.

**Prereq:** UK Core course in Quantitative Foundations.

| 210 | ***To Be Arranged*** | DIS | Staff |

**VIII. Statistical Inferential Reasoning**

**MA 113 CALCULUS I**

A course is one-variable calculus, including topics from analytic geometry. Derivatives and integrals of elementary functions (including the trigonometric functions) with applications. Lecture, three hours; recitation, two hours per week. Students may not receive credit for MA 113 and MA 137.

**Prereq:** Math ACT score of 27 or above, or Math SAT of 620 or above, or a grade of C or better in MA 109 and in MA 112, or a grade of C or better in MA 109, or appropriate score on math placement test, or consent of the department. Students who enroll in MA 113 based on their test scores should have completed a year of pre-calculus study in high school that includes the study of trigonometric functions. Note: Math placement test recommended.

| 010 | MTWRF 10:20AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

NOTE: Exams will either be given on campus at no charge (other than the costs of getting to campus), or students who do not wish to come to campus will be permitted to take the exams at an approved testing center. Testing centers may require additional fees paid by the student.

**MA 123 ELEM CALC & ITS APPLICS**

An introduction to differential and integral calculus, with applications to business and the biological and physical sciences. Note: Math placement test recommended. 

**Prereq:** Math ACT score of 26 or above, or Math SAT2016 of 620 or above, or a grade of C or better in MA 109, or appropriate math placement score, or consent of department.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:20AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

**MA 109 COLLEGE ALGEBRA**

Selected topics in algebra. Develops manipulative algebraic skills and mathematical reasoning required for further study in mathematics and use in mathematical modeling. Includes brief review of basic algebra, quadratic formula, systems of linear equations, introduction to functions and graphing. This course is not available for credit to persons who have received credit in any mathematics course of a higher number with the exceptions of MA 111, 112, 123, 162, 201 and 202. Credit not available on the basis of special examination.

**Prereq:** Two years of high school algebra and a Math ACT score of 21 or above or a Math SAT score of 510 or above, or a Math SAT2016 score of 540 or above, or UK 096; or appropriate Math placement test, or grade of B or better in MA 111. Math placement test recommended.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

**MA 111 INTRO TO CONTEMP MATH**

An introduction to concepts and applications of mathematics, with examples drawn from such areas as voting methods, apportionment, consumer finance, graph theory, tilings, polyhedra, number theory, and game theory. This course is not available for credit to persons who have received credit in any mathematics course of a higher number with the exceptions of MA 112, 123, 162, 201 and 202. This course does not serve as a prerequisite for any calculus course. Credit not available on the basis of special examination.

**Prereq:** Two years of high school algebra and a Math ACT score of 19 or above, or MA 108R, or math placement test.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:20AM-12:00PM | REC | Staff |

**PHI 120 AN INTRODUCTION TO LOGIC**

A course which treats argumentation, syllogistic, and sentential logic. The focus will be on the use of formal methods in the construction and criticism of actual arguments, the aim being to inculcate standards of good reasoning, e.g., clarity, consistency and validity. Credit is not given to students who already have credit for PHI 320.

| 210 | ***To Be Arranged*** | LEC | Staff |
| 211 | ***To Be Arranged*** | LOCATION: via Internet | Staff |

**VII. Quantitative Foundations**

**BST 105/100/100-1**

A study design and data analysis, and strategies for articulating and evaluating claims using statistical reasoning required for further study in mathematics and use in mathematical modeling. Includes brief review of basic algebra, quadratic formula, systems of linear equations, introduction to functions and graphing. This course is not available for credit to persons who have received credit in any mathematics course of a higher number with the exceptions of MA 111, 112, 123, 162, 201 and 202. Credit not available on the basis of special examination.

**Prereq:** Two years of high school algebra and a Math ACT score of 21 or above or a Math SAT score of 510 or above, or a Math SAT2016 score of 540 or above, or UK 096; or appropriate Math placement test, or grade of B or better in MA 111. Math placement test recommended.

| 010 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 011 | MTWRF 10:00AM-11:20AM | LEC | Staff |
| 210 | ***To Be Arranged*** | LEC | Staff |

**NOTE:** Exams will either be given on campus at no charge (other than the costs of getting to campus), or students who do not wish to come to campus will be permitted to take the exams at an approved testing center. Testing centers may require additional fees paid by the student.
**UK CORE COURSE OFFERINGS – SUMMER 2020**

**EPE 557 GATHERING, ANALYZING & USING DUAL DATA**
This course is rooted in the conceptual understanding of statistics and covers applications of statistical and graphical methods for educational and evaluation data. Basic descriptive statistics, correlation, normal distributions and hypothesis testing will be covered. An emphasis is placed on exploratory data analysis and interpretation of results within the broad contexts of education and evaluation. Statistical literacy exercises will be used for comprehension and application of materials. In addition, applications of statistical software will be demonstrated.

*Prereq: MA 113, MA 123, MA 137, or equivalent.*

**PSY 215 EXPERIMENTAL PSYCHOLOGY**
A study of the application of scientific methods to psychological research. Special emphasis is placed on the critical evaluation of contemporary research in experimental psychology. Particular attention is focused on the design, execution, and written report of laboratory research. Lecture, three hours; laboratory, two hours.

*Prereq: PSY 100 or equivalent and PSY major or PSY minor, or consent of instructor.*

**PSY 216 APPS OF STATS IN PSYCHOL**
An introduction to statistical procedures used in making decisions based on psychological data. May not be used to satisfy the laboratory requirement in the College of Arts and Sciences. Lecture, three hours; laboratory, two hours.

*Prereq: PSY 100 or equivalent and PSY major, or consent of instructor.*

**STA 210 INTRO TO STATISTICAL REASONING**
The goal of this course is to help students develop or refine their statistical literacy skills. Both the informal activity of human inference arising from statistical constructs, as well as the moral formal perspectives on statistical inference found in confidence intervals and hypothesis tests are studied. Throughout, the emphasis is on understanding what distinguishes good and bad inferential reasoning in the practical world around us.

*Prereq: Any course in the new Quantitative Foundations area of General Education beginning Spring 2012.*

**STA 296 STATISTICAL METHODS AND MOTIVATIONS**
Introduction to principles of statistics with emphasis on conceptual understanding. Students will articulate results of statistical description of sample data (including bivariate), application of probability distributions, confidence interval estimation and hypothesis testing to demonstrate properly contextualized analysis of real-world data.

*Prereq: MA 113, MA 123, MA 137, or equivalent.*

**IX. Community, Culture and Citizenship in the USA**

**AAS 235 INEQUALITIES IN SOCIETY**
This course seeks to promote and understanding of inequalities in American society by considering them in the context of the social origins, development, and persistence of inequalities in the United States and other societies. Bases of inequality that may be considered include race/ethnicity, class/status, gender/sexuality, age, political and regional differences as these relates to politics, social justice, community engagement, and/or public policy.

*Prereq: SOC 101 or CLD 102.*

**APP 200 INTRO-APPALACH STUDIES**
A multidisciplinary introduction to Appalachian culture, history and society. Examines how Appalachia came to be viewed as a distinct region; looks at its place in American life.

**AAS 261 AFRICAN AMERICAN HISTORY SINCE 1877 3.0**
Reconstruction to the Civil Rights Movement of the 1960’s. The rise of segregation and the ghetto and aspects of race relations are examined.

*Prereq: HIS 109 or equivalent and CLD 102.*

**HIS 109 HISTORY OF THE U.S. SINCE 1877 3.0**
American History from 1877 to the present: political, economic and social — Gilded Age, Progressive Era, New Deal, Age of Affluence and Limits, Great Society and two Great Wars. You will find out how much, how little, America has lived up to its ideals; how it grew from a nation of farms and cotton mills to an industrial giant; how it became a world power (Top Nation) and what problems this created.

**HIS 261 AFRICAN AMERICAN HISTORY 1865-PRESENT 3.0**
Reconstruction to the Civil Rights Movement of the 1960’s. The rise of segregation and the ghetto and aspects of race relations are examined.

*Prereq: MA 213.*
UK CORE COURSE OFFERINGS – SUMMER 2020

PS 101 AMERICAN GOVERNMENT 3.0
A survey of national government and the political process in the United States, with emphasis on the Constitution, the President, Congress, and the judicial system.
210 ***To Be Arranged*** LEC Staff
LOCATION: via Internet

PSY 320 FORENSIC PSYCHOLOGY 3.0
This course examines the implications of psychological theory and methods for law and the criminal justice system. There is a concentration on psychological research on legal topics (e.g., confessions, eyewitness testimony, jury decision-making, sentencing), social issues (e.g., theories of crime, the death penalty, children and the legal system, race and legal issues, victims of crime), and on psychologists as an important component of the legal system (assessing insanity, competence to testify, criminal profiling).
210 ***To Be Arranged*** LEC Golding
LOCATION: via Internet

SOC 235 INEQUALITIES IN SOCIETY 3.0
This course seeks to promote an understanding of inequalities in American society by considering them in the context of the social origins, development, and persistence of inequalities in the United States and other societies. The bases of inequality are considered include race/ethnicity, class/status, gender/sexuality, age, political and regional differences as these relate to politics, social justice, community engagement, and/or public policy.
(Same as AAS 235.)
210 ***To Be Arranged*** LEC McAlister
LOCATION: via Internet

UKC 380 US CITIZ UD 3.0
An upper-division experimental course which may be used toward fulfillment of the US Citizenship, Diversity and Community requirement in the UK Core curriculum. Proposals must show the course provides a foundation for effective and responsible participation in a diverse society by preparing students to make informed choices in the complex or unpredictable cultural contexts that can arise in U.S. communities. Proposal must be approved by the Associate Provost for Undergraduate Education.
010 MTR 12:30PM-03:50PM LEC Staff

UKC 381 US CITIZ UD 3.0
An upper-division experimental course which may be used toward fulfillment of the US Citizenship, Diversity and Community requirement in the UK Core curriculum. Proposals must show the course provides a foundation for effective and responsible participation in a diverse society by preparing students to make informed choices in the complex or unpredictable cultural contexts that can arise in U.S. communities. Proposal must be approved by the Associate Provost for Undergraduate Education.
210 ***To Be Arranged*** LEC Staff

X. Global Dynamics

ANT 160 CULTURAL DIVERSITY IN THE MODERN WORLD 3.0
Directed at non-majors, this course is intended to introduce the student to the diversity of human cultural experience in the contemporary world. Goals of the course include gaining an appreciation for the common humanity and uniqueness of all cultures; to gain a sensitivity toward stereotypes and ethnocentrism, and to understand the distinctions between "race," ethnicity and racism. The course features extended descriptions of the cultural dynamics of the culture(s) with which the instructor has worked.
210 ***To Be Arranged*** LEC McDonald
LOCATION: via Internet

ANT 311 ANTHROPOLOGY OF GLOBALIZATION 3.0
This course explores the ways in which differences in factors such as nationality, ethnicity, age, gender, class, and occupation shape experiences of globalization. We will analyze and interpret rapidly changing patterns of global production, consumption, politics, resistance, adaptation, and identity construction around the world.
210 ***To Be Arranged*** LEC Lyon
LOCATION: via Internet

GEO 160 LANDS/PEOPLE NON-WEST WLD 3.0
The geographic study of the conceptual and historical definition of regions of the world as "Non-Western." Global patterns of social, cultural, economic, and political difference between the West and Non-West as well as the processes key to the making of the Non-Western world (such as colonialism and imperialism) are discussed. In addition, selected current issues of significance to peoples in the Non-Western world, such as sustainable development, environment, human rights, and gender relations, are considered. Fulfills the General Education Global Citizenship requirement.
210 ***To Be Arranged*** LEC Ji
LOCATION: via Internet

GEO 261 GLOBAL DYNAMICS OF HEALTH & DISEASE 3.0
This course is an introduction to health and disease from a geographical perspective. It provides an introduction to globalization; global health; epidemiology; the immune system; major pandemics of the 20th and 21st centuries; and, global attempts to confront current and future pandemics. Connections are made to medicine, nursing, public health, and related fields. Fulfills the Global Dynamics requirement of Gen Ed.
210 ***To Be Arranged*** LEC Lee
LOCATION: via Internet

GEO 316 ENVIRONMENT AND DEVELOPMENT 3.0
This is an introductory/intermediate level course on the relationships between environment and economic development. While this course emphasizes environmental concerns of the "Global South," this course will also consider instances of "Global Northern" peoples and places, particularly in less privileged areas such as Appalachia. The course examines the political economy of environmental destruction by asking why, despite much significant research, environmentally destructive development schemes continue. Although we understand at least the main contours of what it will take to become a sustainable society, little progress has been made in implementing even evidently necessary policies.
710 ***To Be Arranged*** LEC Froehling
NOTE: GEO 316-710: CONTROLLED ENROLLMENT.
LOCATION: Mexico

GWS 302 GENDER ACROSS THE WORLD: REPUBLIC JUSTICE 3.0
Interdisciplinary, comparative and transnational examination of issues of gender focused around particular themes and locations. Thematic focus explicating gender which also illuminates questions of history and political economy in specific locations. Introduces students to research and a variety of analytical questions in the field, as well as the interaction between locales/people and structural processes. May be taken up to 9 credit hours under different subtitles. Does not allow multiple bookings in same semester.
210 ***To Be Arranged*** LEC Chang
LOCATION: via Internet

HIS 121 WAR AND SOCIETY, 1914-1945 3.0
'Total War' in the 20th century exerted a profound impact on social relations in a great many ways. This course provides you with the opportunity to think long and hard about the social impact of "total" warfare, from a transnational perspective. We will explore a number of social and cultural themes as they relate to the two World Wars, such as: the impact of total war on gender relations; military technology and ethics; the demonization of the enemy; war-time propaganda; the roots of the welfare state within the warfare state; and the postwar efforts to come to terms with the atrocities of total war.
210 ***To Be Arranged*** LEC Gressang
LOCATION: via Internet

HIS 191 HISTRWLD REL 3.0
A historical introduction to the development of Christianity from social, cultural, and institutional perspectives which demonstrates the evolution of the religion.
010 MTWRF 01:00PM-03:00PM LEC Kapitan

HIS 208 HISTORY OF THE ATLANTIC WORLD 3.0
Examines the connections between Europe, Africa, and the Americas from 1492 to the present day, focusing especially on the legacies of slavery, race, and imperialism in Central America and the Caribbean.
010 MTWRF 10:00AM-12:00PM LEC Myrup
NOTE: NOTE: HIS 208-010 meets with HIS 355-010 and HIS 595-010.

HON 352 HONORS EDUCATIONS ABROAD: SUB REQ 3.0
An experiential, travel-abroad course that requires pre-travel class preparation followed by travel abroad that will provide students with multi-cultural exposure, leadership, and a new frame of reference for understanding the world and their role in it.
Prereq: Lewis Honors students only.
711 ***To Be Arranged*** EXP Staff
712 ***To Be Arranged*** EXP Staff
713 ***To Be Arranged*** EXP Staff
714 ***To Be Arranged*** EXP Brislin
715 ***To Be Arranged*** EXP Goodwin; Jensen
716 ***To Be Arranged*** EXP Farrell; Jones
720 ***To Be Arranged*** EXP Staff

MAT 247 DRESS AND CULTURE 3.0
A study of the social, cultural, physical, and psychological factors which influence apparel and apparel use in contemporary society.
210 ***To Be Arranged*** LEC Kowalski
LOCATION: via Internet
211 ***To Be Arranged*** LEC Miller-Spillman
LOCATION: via Internet