

NOTE: The following courses are open to first years, sophomores, juniors, and seniors unless otherwise stated and provided prerequisites have been met. **All meeting times are approximate**, adjustments to meeting times and special meeting times will be announced by the instructor on the first day of class. **NOTE: Some CentreTerm courses include day-long field trips where students are expected to be responsible for their personal meal costs.**

General Education Tag Key for Incoming Students that Entered Centre in the 2020-2021 Academic Year and After

**** The letter will appear after the course number and title if applicable.**

E – Exploration Course

A – Arts Engagement Course

G – Global Engagement Course

S – Sustainability

D – Diversity

SPECIAL ACADEMIC OPPORTUNITIES

INT 400 Internships (Prerequisite: JR or SR standing)

Credit for academic Internships is available during CentreTerm. Students must work closely with a faculty member and the Center for Career and Professional Development in developing an approved academic internship. A completed Internship contract must be approved no later than December 1 to receive internship credit. The Internship Plus program provides financial support for selected internships. For complete details, go to:

https://centrenet.centre.edu/ICS/Campus_Resources/Center_For_Career_Professional_Development/Internships/Internship_Funding.inz

400, 401, 402 Independent Study, Directed Study, Research Participation
Qualified students may receive credit for approved independent work during CentreTerm. Students with well-conceived proposals for independent work should approach an appropriate faculty member. Credit for independent work requires the approval of the instructor, program chair, and Associate Dean. You can download the form from the following link: <http://web.centre.edu/regist/indstudyform.pdf>

COURSES

AAS 140 Black-ish: Black Identities in the Global Age (D)

Prof. Limerick

12:30-3:30

Young 138

This course includes a one-day field trip to the Muhammad Ali Center in Louisville, KY (\$25 fee). What does it mean to be Black in an age that is constantly changing and redefining the contours and contexts of our identities? In this class, we're going to engage a variety of cultural expressions of Blackness in the US and beyond in literature, music, film and visual art. We'll read literature that spans from Langston Hughes to Chimanda Ngozi Adichie, watch films that span from *The Color Purple* to *Get Out*, explore elements of contemporary pop culture like *Key and Peele* and *A Black Lady Sketch Show* and engage topics as diverse as African American Vernacular English, Afrolatinidad and Afrofuturism.

ANT 341 Medical Anthropology

Prof. Ja. Shenton

9:20-12:20

Young 113

Cross-culturally, people define, experience, treat, and recover from disease differently. Biomedical practitioners have realized that to most effectively treat the sick, these considerations should be taken into account. This course provides an introduction to medical anthropology, or the study of disease and health as biocultural and healing and medicine as situated within cultural, social, and political-economic contexts. We will examine disease, health, healing, and medicine in ways ranging from clinical interactions (e.g., placebo effect/meaning response), to "cultural" interpretations (e.g., medical pluralism), to power, inequity, and suffering (e.g., structural violence). Students will gain new insight into medical and healing systems and processes—including biomedicine—as cultural phenomena that operate within systems that grant some folks and not others the authority to make health determinations. In addition to understanding disease and healing as individually experienced and explained, the course will highlight macro-level considerations relevant to global public health conversations like global health disparities. Prerequisite: ANT 110.

Priority given to ANT/SOC majors. (Students who are not majors can contact the Registrar's Office to be put on the waitlist and we will add students if spots are available after registration).

ANT 386 Archaeology of Colonialism

Prof. Meissner

12:30-3:30

Olin 201

This course includes an eight-night field trip to Georgia and Northern Florida (\$350 fee). The imposition of European colonialism in the New World during the 15th to 19th centuries profoundly altered cultural lifeways of all groups involved. This course takes a multidisciplinary approach to colonial encounters to reassess the past through the lens of postcolonial theory and the interpretation of material culture. The class will focus on processes of ethnogenesis, culture contacts, and resistance to colonial domination using archaeological and bioarchaeological data from North America, Mesoamerica, and South America. A major portion of the course will analyze data from prehistoric and Colonial-era archaeological sites in Spanish La Florida to understand shifting economies and the emergence of new political organizations. Prerequisite: ANT 110 or ANT 252.

ARB 150 Arabic Literature and Culture (E,G)

Prof. Sweis

12:30-3:30

Grant 402

This course will expose students to the emergence, development, evolution, and diversity comprising Arab societies through various cultural mediums that include literature, political essays, music, recreation, food, monumental architecture, film, and protest art in English translation. By analyzing the emergence of distinct Arab cultural and artistic forms through styles, motifs, compositional elements, and language, students will explore regional and social variations in cultural production within the Arab Middle East and North Africa as a product of history and geography. They will also analyze how Arab cultural productions have contributed to global trends and will examine the role of contemporary Arab literature and artistic production in political movements confronting imperialism and neo-colonialism.

ARH 264 Molecular Modernism: Manet to Matisse (G)

Prof. Fieberg

See CHE 263.

(off campus)

ARH 310 The Art of Pilgrimage (G)

Prof. Hall

(off campus)

This course is intended to immerse the student into the tradition, theology, culture, and environment of pilgrimage. Specifically, this course will allow the student to explore the significance of pilgrimage by performing the actions of a pilgrim to Santiago de Compostela in Spain. For over 1000 years, people of faith have traveled to the burial site of St. James in Santiago. The routes to reach Santiago flourished in the medieval era, paths that were walked by princes, kings, and ordinary peasants. As a result each town along the way to Santiago bears vivid material evidence through ecclesial art and architecture that speaks to the popularity of this practice. Students will walk in their footsteps upon these well-trod routes, specifically focusing on the route in northern Spain. By delving into this practice, students are expected to gain a deeper knowledge of the role of ritual practice in religion as well as an understanding of the continued significance of physical ritual in the contemporary world.

Open to students who have paid the deposit for this off-campus program.

ARH 312 Art and Revolutions in Haiti

Prof. Haffner & Duval-Carrie 10:30-12:00 & 2:30-4:00

JVAC 201

This course includes a one-day field trip to Cincinnati, OH (\$30 fee).

Despite its small physical size, Haiti has played an outsized role in shaping world politics and socio-cultural issues, specifically regarding three historical periods: the Haitian Revolution and its aftermaths (1791-1860), US imperialism in the western hemisphere (1915-39), and its current age of crises (1982-present). Since it became the first nation in which enslaved peoples successfully rose up and declared their independence, Haiti has been both of a beacon of hope and a warning to those who might transgress dominant power structures. Artists in Haiti and internationally have devoted their creative attention to Haiti's significance and its impact on the wider world. In this course, co-taught with Grissom Artist-in-Residence Edouard Duval-Carrié, students will have a unique opportunity to look into the creative process of a visual artist whose work responds to and addresses not only Haiti's histories, but those deep invisible connections that transcend borders and cultures.

ARS 110 Introduction to Drawing (E, A)

Prof. Baer

12:30-3:30

JVAC 204

This course includes a one-day field trip to Cincinnati, OH (\$30 fee). This course requires no previous instruction in art. It emphasizes drawing from direct observation, concentrating on still life as a subject. The primary materials used are charcoal and graphite. The aim is to give students proficiency in the fundamentals of proportional measuring, perspective, modeling form with light and shade, and composition. Students will learn the history and methods of drawing by copying master drawings. As students gain proficiency, more complex subjects will be introduced, including on-site drawing of interior spaces or landscape. Regular group critiques introduce the language and methods of criticism and visual analysis.

ARS 240 Hot Glass-I (E, A)

Prof. King

9:20-12:20

JVAC 101

There is a \$175 materials fee for this course. Also, this course includes a one-day field trip to Cincinnati, OH (\$30 fee). From traditional vessels to sculptural forms, students learn the fundamental techniques of glass blowing and casting. Attention is given to the history of glass and to the formulation of a personal expression through the creation of glass objects.

ARS 250 Introduction to Photography (E, A)

Prof. Burdine

12:30-3:30

JVAC 108

There is a \$75 materials fee for this course. Also, this course includes a one-day field trip to Cincinnati, OH (\$30 fee). This course provides an introduction to the art, history, and theory of photographic practices as well as digital photographic production processes. Students will explore the expressive power of light and a spectrum of aesthetic and conceptual possibilities. Technical demonstrations will be combined with

presentations of the work of photographic artists and group critiques of photographic assignments. Technical skills will include capture from digital cameras, use of software for managing, editing, and processing files, and output for the screen and for digital printing systems.

ASN 255 Boston and Japanese Art: The Other Tea Party

Prof. Schalkoff

9:20-12:20

Olin 201

This course includes a three-night field trip to Boston, MA (\$525 fee).

Many are unaware Boston is home to perhaps the finest collection of Japanese art outside of Japan. Students will travel to the city to investigate its unique connection with Japan. Through fieldwork and readings, they will learn the stories of notable, young Bostonians, who disillusioned with materialism in the Gilded Age, turned to Buddhism and Japanese culture and aesthetics as models for a new way of life and self-exploration. Lectures from guest experts and in-class experiences with the Japanese ritual of tea will deepen students' understanding of these stories. At the same time, students will develop a working knowledge of and appreciation for Japanese art and aesthetics as well as the cultural and religious concepts underpinning them.

BIO 240 Employing Nature through Biotechnology (E)

Prof. Garcia

12:30-3:30

Olin 202

Biotechnology encompasses all goods that have been developed for human society through the use of biological agents. From bread and cheese to alternative fuel sources, genetically modified crops, and medical treatments, advances in biotechnology are constantly reshaping the world we live in. This course provides students with an opportunity to learn the science behind modern molecular biotechnology and its applications. Students will also discuss the wider implications of biotechnological research and uses.

BIO 366 Venomous Reptiles: Ecology, Evolution, & Biological Significance

Prof. Teshera

12:30-3:30

Young 112

This course includes a one-day field trip to Slade, KY (\$20 fee). Explores

the evolutionary history and behavioral ecology of venomous reptiles (primarily snakes) and importantly, why these animals are so crucial for human health. Lecture topics will focus on early folklore surrounding such animals, venom evolution and composition, an exploration of relevant species, human-snake conflict, and the beneficial effects of venom in alleviating human diseases. Since one function of venom is to subdue prey, special focus will be given to how different species obtain prey according to two primary hunting strategies. There will also be a required field trip to the Kentucky Reptile Zoo Prerequisite: BIO 110; a general knowledge of herpetology will be helpful, but not required.

BIO 372 Caribbean Ecology (G)

Prof. Galatowitsch & K. O'Quin

(off campus)

This course will provide students with an introduction to tropical ecology extending from the tropical highlands to the Caribbean Sea. For half the course students will study the ecology of coral reef and mangrove habitats and the second half will address the complexity of rainforest ecosystems (climate conditions, species interactions, forest habitat structure, and nutrient cycling) to understand why they are so biodiverse. Students will connect these ecological concepts to Belize's rich Mayan past and modern conservation challenges. The course will include discussion of primary scientific literature, methods in field ecology, data analysis, formal written scientific reports. Prerequisite: BIO 110.

Open to students who have paid the deposit for this off-campus program.

BMB 316 Biochemistry Lab Techniques

Prof. Dew

9:00-12:00 & 1:00-4:00

Young 133

This laboratory course provides a broad introduction to techniques used in biochemical analysis, including protein purification, enzyme kinetics and the use of radioisotopes. Prerequisite: BMB 310.

BNS 451 Sexy, Tasty, and Fly

Prof. Bell 12:30-3:30 Young 208
Laboratory neuroscience is not just about the study of humans, rats, or birds. Insects also provide an exciting model for exploring and understanding complex organismic behavior. This course will provide an investigative study into the intrinsic role of chemical senses on female *Drosophila Melanogaster* (fruit fly) reproductive behaviors. Lectures will focus on seminal fly research articles within neuroscience and the chemical senses. Labs will explore anatomical and behavioral differences in mated vs. non-mated female flies, and how manipulation of chemosensory input modulates behavior. Prerequisite: BIO 110 and BNS 295 or PSY 295.

CHE 111 Fibers and Forces (E)

Prof. Fulfer 10:30-12:00 & 2:30-4:00 Olin 128 & Young 202
An exploration of the chemistry involved in the textile industry; Students will explore chemistry through the lens of natural and synthetic fibers, macromolecule structure, dye absorption, chemical treatments, and fiber recycling.

CHE 264 Molecular Modernism: Manet to Matisse (G)

Prof. Fieberg (off campus)
This travel course will focus on the forces involved in the revolutionary development of French painting from the 1860's to the 1900's—from Realism to Impressionism, Post-Impressionism, Fauvism, and Cubism. We will begin with the rise of Impressionism in Paris and end along the Modern Art Road in Southern France (including Aix-en-Provence, Arles, and Nice). We will study in three types of locations – art museums, conservation studios and labs, and actual painting sites of important artists, including Manet, Monet, Morisot, Renoir, Cézanne, Van Gogh, Picasso, and Matisse. The role of science and technology in this development (including synthesis of new materials and how color theory informed painting) will be discussed. Scientific topics include light and its interaction with matter, color mixing, chemical and physical causes of color, and the biology of vision; these topics are discussed to gain a deeper understanding of paintings. Analytical techniques used in conservation science and forgery investigations will be discussed. Prerequisite: any CHE course or permission of the instructor for CHE 264; permission of the instructor for ARH 264.

CHE 457 Point-of-Care Diagnostics

Prof. Scott 9:20-12:20 Olin 200 & 202
The course will focus on an introduction to and exploration of the world of point-of-care diagnostics (POCD). POCD offer advantages in terms of portability, real-time feedback, remote applications, and utility in areas with absent or underdeveloped laboratory capabilities. The course will also include lab work to develop a POCD system, directed by student interest. Prerequisite: CHE 250 or permission of the instructor.

CSC 225 Accelerated Intro Programming

Prof. Toth 9:30-11:00 & 1:00-2:30 Olin 211
An introduction to computer programming with an emphasis on learning how to write programs to solve problems. Problems will be taken from a wide range of disciplines. Prerequisite: Permission of the Instructor

CSC 382 Computer Networks

Prof. Bradshaw 8:50-10:20 & 12:30-2:00 Olin 208
A study of the fundamental concepts of net-centric computing, i.e., computer communication, network concepts and protocols, management of networked applications, client-server computing, network security, and distributed systems. Programming activities are incorporated to expose students to typical real world networking environments. Prerequisite: CSC 270 with a grade of C- or higher and CSC 280 with a grade of C- or higher or permission of the instructor.

ECO 335 Economic Growth

Prof. Radhakrishnan 8:50-10:20 & 12:30-2:00 Young 101
The differences in the level and growth of income across countries have profound implications on the standard of living of citizens across the world. This course looks at some of the fundamental factors that lead to these differences and determine the long run performance of economies. Emphasis is on the role of physical and human capital accumulation, technological progress, and institutions in generating the wide income disparities that we observe. Prerequisite: ECO 110; MAT 145 or equivalent. ECO 220 is recommended.

ECO 358 Applied Economics and Finance

Prof. Behera 12:30-3:30 Crounse 302
This course is a hands-on, applications-oriented tour of using technology to employ theoretical models in finance and economics. Using Excel, students will become familiar with data analysis techniques to solve frequently encountered problems in the academic and non-academic environments. Topics covered include but are not limited to data visualization, common models in economics (e.g. utility maximization, cost minimization, macroeconomic models), and financial analysis. Prerequisite: ECO 210, ECO 220, MAT 130, and ECO 340.

ECO 436 A Practitioner's Approach to Investing

Prof. Kamm 9:20-12:20 Crounse 302
This course will introduce students to successful investing in equity securities by primarily studying well-known investors like Warren Buffett. The course emphasizes two important aspects of successful investing which are: 1) how to value a business and 2) how to think about stock market fluctuations. Prerequisite: ECO 260 and a basic knowledge of Excel or permission of the instructor.

ECO 456 Game Theory and Behavior

Prof. Petkus 12:30-3:30 Young 102
This course will introduce students to theoretical models of strategic behavior known as game theory. In addition, students will evaluate game theory models using results from economic experiments in the literature and conducted during the semester. Applications will be drawn from traditional economics topics as well as the disciplines of political science, international relations, anthropology, biology, and legal studies. Prerequisite: ECO 110 and MAT 130.

EDU 128 Leadership: An Act of Service (E)

Prof. Murray 10:30-12:00 & 2:10-3:40 Young 101
This course will provide inspiration and encouragement after students' first term in college. Students will have the opportunity to explore the relationship between leadership and service while examining how others have become active citizens within their college, local, state, national, and/or global communities. They will develop and implement a personal leadership growth plan and service project. Specific literature on leadership, social service, and activism will be analyzed. Questions such as the following will be discussed: What are the characteristics of an effective leader? How is service related to leadership? What is involved in becoming an activist? What can I do to become a leader? Who are the leaders in my field of interest?

EDU 253 Approaches to Environmental Education (S)

Prof. Prusinski 9:20-12:20 Grant 402
This course includes three one-day field trips to various locations in KY (\$35 fee). This course will expose students to key texts, concepts, and debates in the field of environmental education, as well as help students to critically reflect on the benefits and drawbacks of various sites for environmental education. Students in this course will: explore a range of American and international perspectives on environmental education; encounter first-hand some of Kentucky's key sites for environmental education; and reflect on their personal motivation to improve or maintain environmental quality. Readings are drawn from multiple fields, including education, international studies, and environmental studies, and

include theories developed by researchers in both economically developed regions and the Global South. Prerequisite: EDU 127 or EDU 227 or ENS 210.

EDU 254 Possibilities of Peace: Imagining the Future (E)

Prof. Gupta 9:20-12:20 Crouse 102

This course considers the concept of “possibility” from the dual fields of peace and conflict studies and critical theory and how to apply these concepts to issues of injustice. This course will take multiple disciplinary perspectives including psychology, sociology, gender studies, history and others, explore potential linkages between issues of social and environmental justice, grapple with structural vs individual and perceptions of injustice, and consider the formations of critical studies to understand and formulate meanings and possibilities. Prerequisite: SOC 110 or SLJ 210.

ENG 236 The Western: Imagining Identity (E)

Prof. Peebles 9:20-12:20 Young 111

As a genre, the Western was born in America, and been considered a particularly American kind of mythology—stories that are a potent mix of landscape, violence, and justice, and featuring stark negotiations of alliances and hostilities based on gender, race, class, and sexuality. In this course we will explore a variety of Western stories in history, literature and film, both early and revisionist engagements with the genre, and consider the Western as a space of both national mythmaking and a space where those narratives can be challenged and re-written.

ENG 237 The South in Literature, Music and Film

Prof. Lucas 10:30-12:00 & 2:10-3:40 Olin 100

An interdisciplinary study of Southern culture via literature, film, and music. The literary layer will address such authors as Poe, Faulkner, Hurston, Warren, Welty, O'Connor, Gaines, and Trethewey. Music covered will range from Delta blues to Dirty South with a focus on the Memphis music that changed the world. Films screened will be drawn especially from adaptations such as *A Streetcar Named Desire*, *To Kill a Mockingbird*, *Winter's Bone*, and *The Autobiography of Miss Jane Pittman*.

ENG 238 Speaking from Nature: Some Traditions in the Poetry of China, England, and America (E)

Prof. White 8:50-10:20 & 12:30-2:00 Crouse 405

This class looks at poetry that takes nature as its subject or its source in Chinese and Anglo-American traditions. We will look at conceptions of nature in both the Chinese and European-based traditions, and at how these relate to selected poetic movements in Ancient China, in English and American Romanticisms, and in contemporary Chinese and American poetry, especially poetry explicitly influenced by the Chinese tradition. Readings will vary, but may include anonymous early poems, as well as work by writers such as Wang Wei, Li Bai, Du Fu, Bai Juyi, Meng Jiao, Zhang Wenji, Coleridge, Wordsworth, Shelley, Clare, Dickinson, Whitman, Pound, Moore, Williams, Amy Lowell, Rexroth, Snyder, Kizer, Charles Wright, Mary Oliver, Jane Hirshfield, Chase Twitchell, and by poets in the recent Chinese American tradition.

ENG 241 Creativity and Constraint: Riffs on the Sonnet

Prof. D. Manheim 10:30-12:00 & 2:10-3:40 Young 246

A course on the most popular closed form in English poetry from the 16th to the 21st century. We will study the challenges, changes, contexts, and composition of a form that gets reinvented in each new generation of poets.

ENG 370 The Empire Writes Back (E)

Prof. Emmitt 10:30-12:00 & 2:10-3:40 Grant 401

A course focusing on twentieth-century literary works that revise and/or challenge canonical texts of English literature. J.M. Coetzee rewrites Daniel Defoe's *Robinson Crusoe* as *Foe*; Jean Rhys rewrites Charlotte's Bronte's *Jane Eyre* as *Wide Sargasso Sea*; Jamaica Kincaid rewrites John Milton's *Paradise Lost* as *Lucy*. As these examples suggest, the former

British Empire's post-colonial responses create a tradition of their own.

ENS 259 Returning Pacific: Huahine to Tahiti (S, G)

Profs. Wood and D  mont

(off-campus)

See FRE 269/414.

ENS 320 Global Environmental Health & Development

Prof. Faye 12:30-3:30 Olin 123

This course will introduce students to global health issues, exploring various microbes that cause infectious diseases. We will learn definitions pertinent to epidemiology and host-parasite relationships, as well as vectors/hosts, pathogenic agents and routes of transmissions. Humanity is experiencing with many emerging and re-emerging diseases long thought gone, controlled, or eradicated such as Tuberculosis, Yellow Fever, Zika, Dengue Fever, Ebola, and Malaria to name a few. The contemporary disease landscape in sub-Saharan Africa, Latin America, and Southeast Asia has been shaped by diverse evolutionary, ecological and anthropogenic processes. We will address the relationships between environment, disease, and development in sub-Saharan Africa. We will also explore the intertwined histories of human-environment relations and diseases including – but not limited to – sleeping sickness, West Nile virus, and rinderpest.

ENS 285 Outdoors: Sustainability, Inclusivity, and Risk (S)

Prof. Werner (off-campus)

In this class, we will focus on experiencing the outdoors that the Tahoe area is famous for (in January: skiing, hiking, snowshoeing, camping; in May-June: paddling, hiking, camping, biking), but also interrogating these experiences from at least three lenses: sustainability, inclusivity, and risk. First, sustainability: what are the life cycles of the stuff that we use for outdoor experiences, and how do these life cycles have impacts on distant others? We will examine the stories of our outdoor stuff, and hear from people who work in the outdoor industry about their sustainability efforts. Second, inclusivity and equity: who has access to the outdoors, who feels included in outdoor experiences, and whose identities need support to feel comfortable in outdoor adventure? Students will investigate the various ways that demographics, identity, and ability play into outdoor life. Third, risk: part of why we like outdoor experiences may be the uncontrollable and always new experiences that nature offers, but it means we must find ways to play in nature safely, so how do we do that? As part of this class, students will learn Wilderness First Aid, and potentially another outdoor safety module (depending on time of year, swiftwater rescue, or similar).

Open to students selected for this off-campus program.

FLM 270 The Western: Imagining Identity (E)

Prof. Peebles 9:20-12:20 Young 111

See ENG 236.

FRE 269/414 Returning Pacific: Huahine to Tahiti (S, G)

Profs. Wood and D  mont (off-campus)

Our rigorous course, either for Humanities, French, or Environmental Studies credit, offers students established Tahitian structures in which to live sustainably, practice ecologically sound methods, and to develop a framework for critical assessment based upon experiences. We will question the logic of consumer culture and of the ‘post-card’ image of the regions, as well as what it means to have visited a foreign place. We thereby engage with many assumptions in “modernity,” “progress,” and “development”. Course themes include sustainability (in food and dwelling for instance); confronting socio-economic realities beyond ‘the postcard’ (poverty, obesity, for instance); Tahitian language and culture; French colonial influences informing the assumptions of “civilization”; and the cultivation of sustainable relationships with local persons. Prerequisite: FRE 210 or 221 or placement in FRE 261 for FRE 269; FRE 261 or equivalent for FRE 414; no prerequisite for HUM 243; ENS 210 or 215 for ENS 259.

FRE 281/481 Climate Fiction and Francophone Ecocriticism (S)

Prof. Udayan 8:50-10:20 & 12:30-2:00 Young 246
This course offers a survey of ancient and modern reflections on climate, environment, and ecological problems in French literature and film. The course will introduce students to key notions of French ecocritical theory such as l'écophilosophie, la nature-culture, and le contrat naturel. Prerequisite: FRE 221 or placement in FRE 261 or higher for FRE 281; FRE 261 for FRE 481.

GER 399a World War II: History & Memory on the Western Front (G)

Prof. I. Wilson (off campus)
See HIS 473.

GER 399b African Origins of the Holocaust (G)

Prof. Bahr (off campus)
See HIS 485.

HIS 222 Recreating Revolution: France in 1791

Prof. Beaudoine 9:20-12:20 Crounse 307
In this course, students will act out roles of characters engaged in writing France's first constitution in 1791. They will form factions, write newspaper articles presenting their positions, and debate one another all in the hopes of writing a document that best reflects their characters' views. At the same time, some students will represent the Parisian crowd, who will write their own articles and pressure the delegates to address the pressing concerns of those who are not represented in the Assembly. At the end of the experience, students will assess the impact of ideas on people's actions, the roles of contingency and accident in history, and the most effective ways of presenting the past.

HIS 223 The English Civil Wars

Prof. A. Tubb 9:20-12:20 Young 112
This class will explore one of the most important conflicts in European history, the English Civil War. We will examine the political, religious, social, and economic problems the English faced in the middle of the seventeenth century and discover how they managed to stumble into modernity by creating the notions of the separation of church and state, legal protections of citizens from their government, limited government, a free press, and something we like to call democracy.

HIS 224 Recession, Memory, and Film (E)

Prof. M. Castro 12:30-3:30 Crounse 301
This course explores the origins, repercussions, and memory of the Great Recession of 2007-2009. The course traces how the concept of debt evolved over the course of the twentieth century, how debt was commodified, and the development of the policy environment that led to the near collapse of the global economy. The course also focuses on how large scale financial upheavals are understood and remembered culturally, paying particular attention to the medium of the films produced during the crisis and those films focused on the crisis.

HIS 373 "American Girls": Playing with History

Prof. Strauch 12:30-3:30 Crounse 307
This course explores the historical narratives Americans teach their children and the consequences of these stories. We will read and analyze children's historical fiction, especially from the American Girl franchise, explore the profitable world of children's toys and books, and create our own line of historical dolls and stories. Our goal will be to ask ourselves what these stories teach people about America's past and what values these stories (and dolls) seek to instill in our future.

HIS 473 World War II: History & Memory on the Western Front (G)

Profs. Egge & I. Wilson (off campus)
Students will examine World War II in both historical context and post-war memorials by following the Allied invasion of Europe on the western front. In particular, the course follows American soldiers and their experiences fighting in the European Theater. Students will start in France on the beaches of Normandy, marking D-Day and the invasion of France on June 6, 1944. Students will retrace the steps of American soldiers, first south to Paris, which they liberated on August 25, 1944, and then east, through the Hurtgen and Ardennes Forests. By November, Americans reached the banks of the Rhine River before the Germans launched a massive counter-attack known as the Battle of the Bulge on December 16, 1944. Students will explore the Battle of the Bulge, which lasted through January 1945, before crossing the Rhine into Germany, just as Americans did in March 1945. Students will trace the path of the fighting in Germany through Nuremberg and Weimar before ending the course in Berlin, marking the end of the war with the surrender of Germany on May 7, 1945. Prerequisite: GER 210 and permission of the instructor for GER 399; permission of the instructor for HIS 373.

Open to students who have paid the deposit for this off-campus program.

HIS 482 History and Video Games

Prof. Harney 9:20-12:20 Young 110
This class is all about history and video games: the history of the video game industry and the manner in which the medium has presented historical events, characters and dynamics as sophistication in technical design and writing have increased in the last thirty years. Students will operate as part of a group to create a video game or video game demonstration with a clear historical theme, a project that provides the class' core experience.

HIS 485 African Origins of the Holocaust (G)

Profs. Earle and Bahr (off-campus)
This course explores the African contexts out of which the Holocaust emerged in central Europe. In so doing, it reimagines the historical and cultural frameworks for understanding twentieth-century racialized violence and genocide. Prerequisite: GER 210 and permission of the instructor for GER 399; permission of the instructor for HIS 485.

Open to students who have paid the deposit for this off-campus program.

HUM 233 London: Continuity and Change (G)

Profs. Reigelman and Young (off-campus)
How has London, once the largest and most important city in the world, adapted to changing geopolitical and cultural changes? Why is it still the most visited city in the world? We'll approach these questions through readings, lectures by the professor and London experts, and daily explorations. The individual student London projects will focus on a key London institution connected to their academic interests.

HUM 243 Returning Pacific: Huahine to Tahiti (S, G)

Profs. Wood and Démont (off-campus)
See FRE 269/414

HUM 261 Rainmaking: Study of and Preparation for Leadership

Prof. Roush 1:00-4:00 Sutcliffe 330
This course includes a one-day field trip to the Abraham Lincoln Birthplace National Historic Park in Hodgenville, KY (\$25 fee). This course will acquaint the student with the literature associated with leadership studies. Students are exposed to a variety of authors, and have the opportunity to study and report on a 20th-century leader of his or her choice. The class will feature guest speakers (leaders in practice) from several fields, and may include a field trip to explore the work of a leader in his or her workplace.

IST 381 Sport, Africa & Development

Prof. C. Cutright 9:20-12:20 Young 213
 This course will explore sport as an international development practice, addressing both opportunities and critiques, with a specific regional focus on Africa. Political, economic, and social impacts of global sporting events, like the Olympics, will be examined, along with topics such as gender, youth studies, Sport for Development & Peace (SDP) policies, and non-governmental organizations (NGOs). Prerequisite: IST 110.

LAS 222 Migrant Childhoods: Art, Literature, and Human Rights (E, D)

Prof. Chinchilla 10:30-12:00 & 2:10-3:40 Young 245
 This course is an exploration of how art and literature make sense of the humanitarian crisis around immigration in North and Central America. We will center our analysis on the experiences of children and youth as a way to think through not just the legal questions of asylum/citizenship, but also the aesthetic dimension of how to represent displacement, and the power of art to bear witness to the urgencies of this historical moment.

LAS 352 Math and Archaeology of Ancient Peru (G)

Profs. R. Cutright & Wiglesworth (off campus)
 This course blends methods from mathematics and archaeology to understand how ancient Peruvians lived and understood their world. Ancient Peru was a crucible for complex human societies. Despite the harsh environmental extremes of the Central Andes, humans settled there 12,000 years ago, independently invented agriculture, and created a series of politically complex states and empires. The Inka were only the most recent in this long sequence. In this course, students will apply mathematical concepts, archaeological data, and ethnographic methods to describe, analyze, and compare cultures such as the Moche, Nasca, Yschma, and Inka. We will also explore how Andean cultures devised their own mathematical tools and used math (such as symmetry and fractals) in their architecture, engineering, and art.

MAT 131 Mathematics in Strategy Games (E)

Prof. Poudel 12:30-3:30 Young 110
 One of the most important skills in the world today is problem solving in mathematics and beyond. While being thoroughly entertaining, strategy games can be used as a starting point for students to think about problem solving. In this class, we will learn about a wide variety of strategy games, with especial emphasis on the connection between finding the winning strategy and problem solving in mathematics. Prerequisite: Students must have completed math general education requirement.

MAT 261 Mathematically Exploring the Biological World (E)

Prof. Swanson 8:50-10:20 & 12:30-2:00 Young 201
 This course will provide an introduction to mathematical modeling specifically focusing on biological applications. We will develop the modeling techniques of formulation, implementation, validation, and analysis. We will use computational software to simulate and explore the models. Using data acquired through case studies and experimental activities, we will experience the utility of models in understanding complex systems and making predictions. Prerequisite: MAT 165 or placement in MAT 185 or higher.

MUS 117 Revolution and Romantic Music (E)

Prof. Seebacher 12:30-3:30 Grant 113
 The 19th Century was an incredibly prolific time for the arts. Fueled by the Germanic *Sturm und Drang* movement, combined with the ideals of the French Revolution, this period teemed with fervent and highly emotional creativity. Perhaps it was this truly revolutionary environment which spawned the very ideals of Romanticism. This course explores music and associated art forms as products of this revolutionary era as well as connections to music and societal issues of today.

MUS 216 Songwriting from Theory to Practice (A)

Prof. Link 9:20-12:20 Grant 113
 This course will guide students through the process of creating original musical pieces. Neither classical training nor the ability to read music are necessary. Students first study prominent approaches to the songwriting craft (Rodgers & Hammerstein, Bob Dylan, and Lennon/McCartney) and emulate aspects of those songwriters by creating one piece in each style. In following, students embark on a final project of writing a song in the style of their choosing, collaborating with fellow students and working closely with the instructor in the process. Prerequisite: Permission of the instructor.

MUS 219 The Great American Songbook (E, A)

Prof. Klobnak 12:30-3:30 Grant 403
This course includes a three-night field trip to Chicago, IL (\$300 fee). The early 20th century was a prolific period of output for American popular music. Songs written during the interwar years have come to be collectively known as *The Great American Songbook*, and this vast repertory intersects with other major musical genres including jazz, opera, cabaret, art song, gospel, rock, country, and musical theater. The course will focus on the *Songbook* music by "The Big Six": Harold Arlen, Irving Berlin, George Gershwin, Jerome Kern, Cole Porter, and Richard Rodgers. In exploring and analyzing the music and lyrics of these songs, we will examine American culture and life during the period in which they were written as well as the songs' crossroads with racial and gender issues ever-present in American society today -- a century later.

PHI 390 The Art of Pilgrimage (G)

Prof. Hall (off campus)
 See ARH 310.
Open to students who have paid the deposit for this off-campus program.

PHY 240 Oscillations and Waves

Prof. Neiser 12:30-3:30 Olin 107
 A study of oscillations and wave phenomena. Topics include simple harmonic motion, superposition, driven vibrations, resonance, coupled oscillations, normal modes, traveling and standing waves, phase and group velocity, dispersion, and Fourier analysis. Prerequisite: PHY 230.

PHY 405 Introduction to Acoustics

Prof. Falco 9:30-11:00 & 1:00-2:30 Olin 123 & 010
 This course will serve as an introduction to the field of acoustics, especially acoustics in fluid media. The first portion of the class will be dedicated to the foundational principles of wave propagation, resonance, attenuation, the decibel scale, and Fourier analysis. This will allow for the subsequent exploration of other topics such as musical acoustics, architectural acoustics, speech & hearing, transducers, nonlinear acoustics, and atmospheric or underwater acoustics. Prerequisite: PHY 240.

POL 404a Patriots, Sovereigns, and Anons: Rightwing Anti-Statist Conspiracies and the Legitimacy of the Law

Prof. Ebin 9:00-12:00 Crounse 468
 Over the course of the Trump administration, media coverage of extremist factions of the American right grew considerably, as did the actual membership and numbers of those factions. Included among these factions, and operating on a spectrum that ranges from the center-to-fringe right, are white supremacist, Christian nationalist, and militia/Patriot/Sovereign Citizen (broadly termed Constitutionalist), and QAnon conspiracist movements. This course begins by addressing what constitutes a conspiracy theory and why people are drawn to conspiracism before turning to an examination of the historical development and contemporary surge of anti-statist conspiracist groups, focusing on the militia movement, Sovereign Citizens, and QAnon. It concludes by interrogating the relationship between anti-statist right-wing movements and the law by sketching three key areas that warrant further examination: 1) how collective interpretations of the law leave historically

marginalized and oppressed groups vulnerable by refusing the legitimacy of the federal government; 2) the threat of militia violence against women, LGBTQ folks, and people of color; 3) the ways in which racial and gender exclusions complicate membership in anti-statist right-wing movements for women, LGBTQ folks, and people of color.

POL 404b Politics of the Occult (E)

Prof. Paskewich 1:00-4:00 Crounse 102
This course introduces basic theories and practices of the Occult, and how they have influenced political ideas in the US and Europe. Connections studied will include: witchcraft and feminism; paganism and ecological movements; traditional magick practices and the American far right and left; and meme magick. Special attention will be paid to the "New Thought" movement and the "power of positive thought." Students should be willing to analyze occult practices in an academic environment (meaning examining up close practices involving Tarot and other divination methods, crystals, historical uses of spells, etc.). We will also examine how various regional and cultural areas have different occult practices and thus different views on the community, religion, and the economy.

POL 422 Appalachia in Global Context

Prof. Mohamed 12:30-3:30 Young 139

This course includes a day field trip to Letcher and Harlan counties and a day field trip to the University of Kentucky's Appalachian Center in Lexington, KY (\$40 fee). This course will apply a global lens to Appalachia's historical and economic development, drawing comparisons between the region and other socioeconomically disadvantaged regions of the world. Special attention will be paid to Appalachia's historical place as a source of raw materials for more industrialized parts of the country and how the decline of extractive industries has affected Appalachian communities over the last several decades. The course will also cover (mis)perceptions of Appalachia and the ongoing global opioid epidemic. Prerequisite: ECO 110; POL 370 or 371 is recommended.

PSY 365 Law and Human Behavior

Prof. Hamilton 1:00-4:00 Young 231

An introduction to the application of social science research methods and psychological knowledge to contemporary issues in legal psychology, including eyewitness testimony, scientific jury selection, lineup construction, juror decision making, the social scientist as expert witness, pretrial publicity, interrogation and confessions, race and the law, gender and the law. The course emphasizes the empirical side of legal psychology rather than clinical/forensic psychology. Prerequisite: PSY 110; PSY 205; PSY 210 or BNS 210 are recommended.

Priority given to PSY and BNS majors. (Students who are not majors can contact the Registrar's Office to be put on the waitlist and we will add students if spots are available after registration).

REL 305 Creating Religious Identity through Food

Prof. Jefferson 9:20-12:20 Young 102

This course includes a required overnight trip to Paducah, KY and Nashville, TN and day trips to Lexington, KY (\$200 fee). Food has been utilized to create religious identity, create borders between religions, as well as break down and traverse borders between religions. This course will examine how food and food preparation has shaped religious identity and created a sense of community throughout the centuries beginning in the common era. By examining kosher dietary restrictions in Judaism, halal edicts in Islam, and Christian concerns, this class will initially examine how food internally fomented identity as well as created issues amongst the Abrahamic traditions positively and negatively. This course intends to utilize a combination of class discussion, field-work, and "lab" work, in a sense, in order to deeply immerse the students in the topic at hand.

REL 310 The Art of Pilgrimage (G)

Prof. Hall

(off campus)

See ARH 310.

Open to students who have paid the deposit for this off-campus program.

REL 334 Islam in America (E, D)

Prof. Pierce 9:20-12:20 Crounse 301

This course includes a required, ten-night field trip to Raleigh/Chapel Hill, NC, Washington, D.C., New York City, NY, and Dearborn, MI Jan. 11-21 (\$675 fee). This course introduces students to some of the most important people, ideas, and events that have shaped Muslim communities in America. Toward that end, the class will spend a week travelling to meet high-profile Muslim scholars, imams, activists, and professionals in Kentucky, North Carolina, Washington D.C. New York City, and Michigan. A diverse selection of readings, travels, and meetings provide students with a critical understanding of the variety of social, political and religious concerns facing Muslim American communities today.

SOC 210 Social Welfare: Social Workers, Activists, Bureaucrats (E)

Prof. Weston 9:20-12:20 Grant 409

If you want to help people and make the world a better place, you need institutions to work through. This course examines the institutions through which we try to improve social welfare. Social welfare encompasses everything from the micro level of social workers giving hands-on assistance to people in need; through the mezzo level of local government and charities; to the macro level of non-profits advocating social policy, and state and national government agencies administering programs to help and develop people.

SOC 326 Black Women and Contemporary Society (D)

Prof. Brewster 12:30-3:30 Young 111

The overall goal of this course is to examine the intersectional nature of race, sex, class, and culture from a Black feminist theoretical perspective. To accomplish this goal, we will study the evolution of black feminist thought and its contemporary applications in the areas of family, work, health, social activism, spirituality, sexuality, politics, and pop culture. We will review the works of Black feminist scholars such as Audre Lorde, Patricia Hill Collins, Angela Davis, Bell Hooks, Brittney Cooper, and Barbara Smith, among many others. One main question that we will revisit throughout this course is what might be gained by viewing society from both an intersectional and Black feminist theoretical perspective? By the end of this class, you will be able to identify the core elements of Black feminism and how it relates to those of other important feminist movements. You should also be able to critically evaluate and debate a wide range of important current events from both an intersectional and Black feminist standpoint.

SPA 260 Spanish Culture

Prof. Daniels 10:30-12:00 & 2:10-3:40 Crounse 405

A study of the character and spirit of the Hispanic people as exemplified in selected works of Spanish literature, articles, art, film, and music. Taught in Spanish. Prerequisite: SPA 220 or placement.

THR 356 C.A.D.D. for the Stage (A)

Prof. Hallock 12:30-3:30 Grant 501

An introduction to Computer Aided Drafting and Design. The course builds upon the mechanical drawing component of THR 150. Further work involves 3-D modeling and creating perspective images of virtual stage setting. Prerequisite: THR 150 or permission of the instructor.

Interdisciplinary Programs (CentreTerm courses that may fulfill requirements of interdisciplinary majors and minors):

African and African American Studies: AAS 140, ARH 312, PHI 240, REL 334, SOC 326

Asian Studies: ASN 255

Environmental Studies: BIO 372, EDU 253, ENS 259/FRE 269/FRE 414/HUM 243, ENS 285

Film Studies: ENG 236/FLM 270, HIS 224

Gender Studies: HIS 369, POL 404a, SOC 326

International Studies: ECO 335, ENS 320, HIS 473, HIS 485, PHI 240, SPA 260

Latin American Studies: ANT 386, LAS 222, LAS 352

Linguistics:

Social Justice: PSY 365, SOC 210