

## COURSES FOR NON-FIRST-TIME FIRST-YEARS

NOTE: The following courses are open to sophomores, juniors, and seniors (and students classified FR) unless otherwise stated and provided other 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.**

## 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. Go to

<http://www.centre.edu/after-centre/internships/> for complete details.

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.

<http://www.centre.edu/wp-content/uploads/2013/11/indstudyform.pdf>

## COURSES

AAS 210 Music and Culture of the African Diaspora

Prof. Link 9:20-12:20 Grant 403

This course is an introductory survey course which employs music as a lens to explore the history and culture of Africa and African America. Students learn about African musical genres on the continent and in the New World as well as the political, cultural, racial, class, and gender dynamics that shape and are shaped by them. More specifically, this course focuses on West Africa and the United States and provides students an introduction to (a) the political and social histories of both areas, (b) the musical characteristics of varied genres, (c) the social and political forces which shaped the evolution of the more significant musical genres, (d) the contemporary cultural and identity politics influencing and influenced by the music, and (e) the connections between West African and African American music.

ANT 308 Social Justice and Contemporary Identity Politics

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

**This course includes one required day trip (\$10 fee).** Social justice is a broad, overdetermined, set of ideas and principles both hotly contested and intensely defended within contemporary societies across the globe. Social justice means recognizing the uneven distribution of resources and opportunities across members of society by virtue of their social identities (sex, gender, race, class, sexuality, dis/ability, religion, legal status, and so forth). The class will explore a central tension in social justice studies: In movements for social justice, how do we not only embrace the identities people want embraced but also work against discrimination based on those very same identities? An important part of this course will be learning anew how to see, how to talk, and how to think in ways we may have never realized are necessary—that is, we will interrogate some of our personal barriers to empathy. This class will combine readings in social justice theory and contemporary identity politics with an intensive set of social change leadership trainings available on Centre's campus. Prerequisites: ANT 110 or SOC 110 or GNS 210 or permission of the instructor.

ANT 337 African American Cultures

Prof. Abrams 12:30-3:30 Crouse 315

**This course includes a required two-night field trip to Washington, D.C. (\$75-100 fee).** The African American cultural experience spans four hundred years, two continents and several islands. This course uses ethnography, documentaries and field trips to trace African American cultures from the past to the present with a focus on religion and slavery in the US and Caribbean, post-emancipation black towns and cowboys, blues music and Civil Rights, the cultural politics of labeling from the n-word to African American, the contemporary meaning and significance of soul food, and the gender dynamics of black embodiment. In addition, students will have the opportunity to collaborate on a project with the African American community in Danville.

ARH 427 Monuments and Memorials

Prof. Frederick 12:30-3:30 JVAC 201

**This course includes two, required one-night field trips (\$50 fee).** This course explores the role that monuments and memorials play in our society, as visual representations of memory, history, and cultural heritage. We will investigate and analyze commemorations of the Civil War in Kentucky, usually through the study of stone statues, which we will travel to see in situ. In addition, we will broaden our conception of monuments to include discussion of paintings, photography, graphic novels, film, and other forms of memorialization.

ARS 110 Introduction to Drawing

Prof. Tapley 12:30-3:30 JVAC 204

This course requires no previous instruction in art. It emphasizes charcoal drawing from direct observation, concentrating on still life as a subject. The aim is to give students proficiency in the fundamentals of proportional measuring, perspective, composition and modeling form with light and shade. In addition to studio work, students learn by studying and copying from master drawings. As students gain proficiency, other materials or subjects may be introduced, such as the use of paint or outdoor landscape drawing. Periodic class discussions and written assignments help students learn visual analysis and a general approach to the criticism of art.

ARS 250 Introduction to Photography

Prof. La Rocca 9:20-12:20 JVAC 108

**There is a \$60 materials fee for this course.** 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.

ARS 252, 452 Venetian Glass Techniques

Prof. Powell 9:20-12:20 JVAC 201

**There is a \$175 materials fee for this course.**

A study of Venetian glass blowing techniques. Venetian glass is known for its elegant, well-crafted shapes that exploit intricate colored canes in their surface decoration. Students spend a part of each day in the hot glass studio practicing Venetian techniques. We will study many of the Venetian glass artists and factories that have made the island of Murano so famous. The class will focus on Venetian glass of the 16th century and trace its development all the way to contemporary times. This class will be an even mix of theory and practice. Prerequisite: None for 252; ARS 240 or 252 for 452.

ARS 330, 331, 430 Ceramics-II/III/IV  
Prof. Yamada 9:20-12:20 JVAC 104  
**There is a \$50 materials fee for this course, as well as a \$10 guest speaker fee.** Refinement of building methods and artistic intent. Further technical exploration of glazes and firing methods. Students work in conjunction with the instructor to plan and create a series of coherent and resolved works while continuing technical experiments. Prerequisite: ARS 230 or 251 for 330; ARS 330 for 331; ARS 331 for 430.

ASN 252 Nagasaki: Rebuilding a Metropolis  
Prof. Dixon (off-campus)  
Students will, within the larger context of experiential learning, acquire a basic understanding of modern Japanese history (1600-2000) and Japan's relationship with the international community through trade, cuisine, religion, and war during this period. They will hear firsthand the personal testimonies and stories of survivors of the atomic bomb, descendants of "hidden" Christians, and current international residents. Visits to related historic and cultural heritage sites will provide physical context and opportunities for interpreting readings done prior to departure.  
**Open to students who have paid the deposit for this off-campus program.**

BIO 280 Into the Great Abyss: Cave Ecology  
Prof. O'Quin 8:50-10:20 & 12:30-2:00 Young 102  
**This course includes a required, one-night field trip (\$40 fee).** Caves have long had a profound hold on the human psyche. Whether functioning as the spiritual 'doorway to the underworld,' a place of habitation, a philosophical allegory, or a recreational thrill, caves have played a dynamic role in our lives and in the lives of countless other organisms. This course will begin by reviewing human interaction with caves over time and will transition to our modern understanding of the geology behind cave formation. We will then extend our scope beyond humans and work to understand how and why certain organisms call caves 'home.' Our analysis will highlight evolutionary processes that have led to exhilarating and often peculiar adaptations found in organism that live in or near caves. We will also address current topics in cave biology including their use for studies of global climate changes and pervasive problems associated with human interference in these delicate ecosystems. This course will feature multiple field trips to local caves including Carter Caves and Mammoth Caves. Many of these field trips may extend into the evening, the weekend, and/or will require overnight accommodations. Some physical restrictions may limit the ability of a student to participate in caving tours. Prerequisite: BIO 110, preference given to BIO/BMB majors.

BIO 365 Plant Herbivore Interactions  
Prof. Lubbers 10:30-12:00 & 2:10-3:40 Young 245  
An examination of the ecological, biological, and behavioral factors governing the nature of plant-herbivore interactions as well as the ecological and evolutionary consequences of the interactions. Prerequisite: BIO 330 or BIO 360 or BIO 370.

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 285 Neuroethics  
Prof. Bentley 12:30-3:30 Young 101  
See PHI 385.

CHE 250 Introduction to Inorganic and Analytical Chemistry  
Profs. Scott & Wachter 8:50-10:20 & 12:30-3:30 Young 231 (am), Young 202/204 (pm)  
Topics studied include descriptive chemistry of the elements, coordination compounds, electrochemistry and basic principles of gravimetric, volumetric, complexometric, spectrophotometric, potentiometric, and chromatographic analysis. Laboratory work is required. Prerequisite: CHE 132 or 135.

CRW 250 Poetic Forms: History and Practice  
Prof. Williams 12:30-3:30 Grant 400  
Discussion of poetic forms including the sonnet, sestina, villanelle, prose poem, free verse, and syllabic poetry (among others), with creative assignments. Designed to benefit writers wishing to enrich their knowledge of the craft and their creative abilities, as well as students of literature interested in poetry's history and technical aspects.

CSC 210 Raspberry Pi: Building Hardware and Software Systems  
Prof. Toth 8:50-10:20 & 12:30-2:00 Olin 023  
An introduction to building software to control the Raspberry Pi single board computers and devices (resistors, sensors, displays, etc.) that can be attached to the Raspberry Pi. Simple networking techniques will be covered to allow students to remotely control the computers, allowing the computers to transmit and receive data. Students will design and implement their own project using the skills and techniques they have learned. Prerequisite: CSC 117 or permission of the instructor.

CSC 265 Interactive Data Visualization  
Prof. Bradshaw 9:20-12:20 Olin 107  
Data visualization is the act of taking an overwhelming and confusing amount of data and presenting it in a fashion that is coherent, pleasing, and informative. With the advent of computing, the richness data visualization has grown from static pie charts to interactive pie charts that can recalculate themselves as you delve deeper into the data. This revolution has spread to all facets of data visualization. In this class students will create interactive data visualizations utilizing modern web languages such as HTML, CSS, JavaScript, and d3 to describe intricate data sets. Prerequisite: CSC 117.

ECO 315 The Chinese Economy  
Prof. Zhao 9:20-12:20 Olin 109  
In this course, we use basic microeconomics and macroeconomics tools to better understand the modern Chinese economy. It will provide a comprehensive overview of the Chinese economy and China's role in the world economy. China's current economic challenges will be given particular attention. Possible topics include: the Chinese economy before 1949; the socialist era, 1949-1978; economic reform and market transition; the role of state enterprises; foreign investment; foreign trade; China's role in the East Asian trade-production network; labor market, internal migration, human capital (health care and education) and income inequality; natural resources and environmental damage; the Chinese financial system; Chinese monetary and exchange rate policy; China's role in global imbalances; the internationalization of the Yuan; and does China have a housing bubble? Prerequisite: ECO 110; ECO 390 is recommended.

ECO 350 Fraud Examination  
Prof. Rogers 9:20-12:20 Young 101  
A study of asset misappropriation and financial statement frauds. The class will examine the psychological, social and financial pressures that give rise to frauds, the role of companies and investors in detection and deterrence of frauds, and the impact on the companies and investors involved. Prerequisite: ECO 260.

ECO 359 Dispute Resolution  
Prof. Anderson 9:20-12:20 Crouse 315  
A study of past, present, and future methods of resolving disputes over facts, rights, and decisions. The economist's tools of theoretical and empirical analysis are applied to prospective dispute resolution techniques to determine their viability. The procedures discussed facilitate negotiations over everything from wages and prices to where to go for dinner. Prerequisite: ECO 110.

### ECO 455 Experimental Economics

Prof. Johnson 9:20-12:20 Young 201

An introduction to issues, methodology, and especially, applications in the field of experimental economics. Daily experiments and simulations explore bargaining, auctions, competition, market failures, voting, contributions to public goods, lottery choice decisions, and similar topics. Through experimental design and data analysis, student understanding of microeconomics will be reinforced. Prerequisite: ECO 110.

### EDU 280 The Superhero: A Role Model?

Prof. Plummer 8:50-10:20 & 12:30-2:00 Crouse 301

What educational issues arise when we view superheroes as models of truth, justice, and the "American way?" Students will study the superhero phenomenon through the lens of education and educational psychology including gender, social, and moral development of children and adolescents. Questions to be explored include: What do educational theorists tell us about models and development? Do superhero morals positively impact students in classrooms? What impact do successful superhero films and comics have on child and adolescent development? What role do superheroes play in the gender and ethnic identity development of today's students? In what ways might superheroes be incorporated into classroom curriculum? Why might schools choose to ban superheroes?

### EDU 290 Imagine, Create, Connect and Perform!

Prof. Murray 12:30-3:30 Grant 502

This course incorporates literacy with the concepts and skills of art, music and drama education. We will examine and implement the "Performance Cycle" pedagogical approach that was first developed at Brown University. Students explore the pedagogy, learning how the process of the art forms allows for deeper contextual comprehension. During the term as we mentor a group of P-12 students through the "Performance Cycle," we will put theory into practice. Students' final work will be exhibited for the larger community in the form of art, music or drama. This course will be very interactive and community-based! This course is appropriate for students interested in drama, dance, music, art, and/or literature; future educators attentive to innovative strategies for both teaching and learning; psychology majors or education minors interested in the effects of kinesthetic approaches to learning on cognitive development or the connection between the arts and learning.

### ENG 235 The South in Literature, Music and Film

Prof. Lucas 10:30-12:00 & 2:10-3:40 Crouse 301

**This course includes a required two-night field trip to Memphis (\$100 fee).**

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. There will be a field trip to Memphis music sites and the Lorraine Motel shrine to Martin Luther King, Jr.

### ENG 305 Literary Criticism: Theory and Practice

Prof. Rasmussen 10:30-12:00 & 2:10-3:40 Crouse 401

What is literature? What is literature good for? What makes a work of literature good? What does it mean to "interpret" a literary work? What makes a particular interpretation good? These are some of the great questions addressed by literary theory, from Plato to the present. In this course we will read and discuss some classic responses to these questions, and we will consider as well such recent critical approaches as the New Criticism, reader response theory, Marxist criticism, feminist criticism, psychoanalytic criticism, structuralism, deconstruction, new historicism, post-colonialism, ecocriticism and cultural studies. The course has two aims: first, to help us become more aware of what we do, and why we do it, when we study literature; and, second, to help us write better literary criticism ourselves, as we apply a range of methods to the works we study.

### ENS 430 Human Dimensions of Climate Change

Prof. Werner 9:20-12:20 Olin 124

Questions that address whether the climate is changing and whether humans have a significant role in these changes are questions for science, but at the same time, they are questions with strong human dimensions. Using theory and methods from ethics, economics, sociology, politics, literature, communication, and religion, this class pushes students to grapple with how humans are changing the climate, and what these changes mean for human life. Some human institutions are more vulnerable, and others more resilient, to the impacts of climate change. This class considers questions like the following: How does climate science get communicated, and what is the meaning of words like consensus or tipping point? How will climate change manifest itself in human communities? How are these communities responding politically, economically, and socially to mitigate and adapt to future changes? Prerequisite: ENS 210 or permission of the instructor.

### FRE 265/465 The Québécois Enigma

Prof. Karen Tubb 9:20-12:20 Young 246

This course explores the efforts of the Québécois to assert their language and identity through film. By utilizing classic and contemporary works, we will discover how the themes of abuse, abandonment, exclusion, family dysfunction, sex, drugs and death reveal fundamental aspects of Québécois culture. Prerequisite: For 265, FRE 210 or 221 or equivalent; for 465, FRE 261 or FRE 271 or equivalent.

### HIS 387 The Crusades

Prof. Amos Tubb 12:30-3:30 Crouse 313

This course examines the European crusading movement and how it still impacts the world today. Topics range from stereotypical images of the Crusades-quests, exotic locales, and chivalry-to the darker implications of this medieval undertaking.

### HIS 392 What If: Counterfactual and Alternative History

Prof. Strauch 10:30-12:00 & 2:10-3:40 Young 102

Science fiction writers have a long history of writing alternative historical narratives. Historians also think about how history might have happened differently. The heart of these "what if" questions is historical contingency; what events, people, and moments are the lynch pin of our historical realities. In this course we will examine both Alt-Hist and counterfactual arguments. Our interest will be in thinking about what makes these narratives plausible, interesting, and educations. Students will then create their own alternative historical narratives.

### HIS 455 Idi Amin's Uganda

Prof. Earle 12:30-3:30 Crouse 405

**This course includes a required six-night field trip to Washington, D.C. (\$75 fee).** This course explores leading approaches and questions in historical argument and practice, such as source analyses, the philosophy of history, public history, power and gender, and violence and memory. The historical period of study will concentrate on the life and times of Idi Amin, who was postcolonial Africa's most infamous dictator. The course provisions one week of field research in Washington, DC. Its sites include: the National Archives at College Park; the Smithsonian Institute of African Art; the United States Holocaust Memorial Museum; and the recently opened National Museum of African American History and Culture. This course includes a community-based learning component.

### 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.

#### HUM 267 Art of Walking

Prof. Keffer 9:20-11:20 & 12:30-4:00 walks SUTC 330

**This course includes several required day trips (\$10 fee).** This course consists of a close reading of Martin Heidegger's *Being and Time* (1927) and of numerous walks on sidewalks and trails in central Kentucky. The first half of *Being and Time* treats everyday existence by way of the familiar use of tools and language. The second half re-reads everydayness in starker terms of death, authenticity and time. The course walks offer a first-hand experience of these themes and an opportunity to discuss them non-frontally.

#### HUM 284 The Source: Drama and Math in Ancient Greece

Profs. Kagan-Moore and McAllister (off-campus)

An examination of the dramatic arts and mathematics from the perspectives of the ancient Greeks. The peoples of ancient Greece utilized both disciplines as ways to process and understand their changing world. Ultimately they transformed both drama and mathematics, and created many fundamental elements and practices that continue to influence the modern age. We study the story of ancient Greek developments in drama and math, focusing on the history, the culture, and the detailed questions and techniques that arose in Athens, Epidavros, Delphi, Samos, and Delos and we look at specific innovations and events that gave rise to practices that remain relevant in the exercise of both disciplines today.

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

#### HUM 293 Introduction to Documentary Video Production

Prof. Thurman 9:20-12:20 Young 213

This course will serve as an introduction to all primary aspects of documentary video production, including but not limited to: research/development; videography; lighting; post-production, including audio sweetening; graphics elements; voice-over writing and recording; and soundtrack creation. The shared theme for all students will be the creation of a series of short films about the history of Centre College. This course is taught by visiting film and video director and producer Tom Thurman.

#### HUM 294 The Baltic States

Prof. Van Niekerk 9:00-12:00 & 2:00-5:00 Grant 409/114

In this course we will investigate the political and cultural history of the Baltic States, with particular attention to the period of Soviet occupation c. 1940-1990. We will focus on the role of music in the preservation of pre-Soviet identity and in the non-violent resistance/independence movement of the glasnost and perestroika periods. Prerequisite: Permission of the Instructor.

#### HUM 296 The South in Literature, Music and Film

Prof. Lucas 10:30-12:00 & 2:10-3:40 Crouse 301

**This course includes a required two-night field trip to Memphis (\$100 fee).** See ENG 235.

#### INT 400 Internship

Requires an approved internship contract by Dec. 1. See the Center for Career and Professional Development for details.

#### LAS 370 Brazil's Racial Paradise: Myth or Reality?

Prof. Flaherty-Echeverria (off campus)

This is an on-site course; students will be working to answer the underlying question: How does race impact Brazilian society? The students will compare the official narrative on race that claims the country has a "racial democracy" with the realities of racial inequity present in Brazilian society. They will learn about historical events ranging from the first encounter of Portuguese explorers with the indigenous Tupinambá people, the mass uprooting of African peoples and the implementation of an economic system based on slavery which lasted until 1889, the formation of urban centers along the coast, the influx of migrants in the early 20th century, to

the more contemporary issues of social inequality and political crises.

Students will be able to complement their ongoing experiences in Brazil with a variety of cultural production (short stories, poems, movies, and selections of master works) and articles that will be discussed in daily meetings and throughout our guided visits.

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

#### MUS 215 Music and Culture of the African Diaspora

Prof. Link 9:20-12:20 Grant 403  
See AAS 210.

#### MUS 235 Opera and Broadway Scenes Workshop

Prof. Turay 9:20-12:20 Grant 114

Study of the principles and techniques of opera and Broadway production through scenes preparation culminating in a final public performance. Prerequisite: permission of the instructor (must have taken or will be taking private voice lessons).

#### NSC 250 Physical Science of Volcanoes

Profs. Paumi and Workman (off campus)

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

#### PHI 385 Neuroethics

Prof. Bentley 12:30-3:30 Young 101

Neuroethics investigates the ethical implications of neuroscience and its technologies as well as the neuroscience of ethical decision making. Topics may include the use of brain scans to read minds, the use of brain stimulation to manipulate thoughts or change behavior, the use of neuroscientific evidence in the court room, memory tampering, cognitive enhancement, neurodiversity, addiction and free will, and sex differences research.

#### PHY 240 Oscillations and Waves

Prof. Neiser 12:30-3:30 Olin 128

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 264 DisCERNing Leonardo: Art, Science and the Renaissance Man

Prof. Rodenborn (off campus)

This course will place the history of physics in the cultural context in which it was developed from the earliest Babylonian mathematicians through the classical world into the Renaissance. The course will also examine the dichotomy that often exists between scientists and artists and lay people as a symptom of a highly specialized and compartmentalized world. Students will be able to discuss the modern parallels between the persecution of Galileo by the church and the current divide between science and religion. Students will visit sites in Florence, Italy and the course culminates with a visit to the Large Hadron Collider in Geneva Switzerland.

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

#### POL 453 Urban Politics

Prof. Paskewich (off campus)

A study of the politics of cities, towns, and their communities. Students investigate issues facing modern towns and cities, including crime, public education, aging infrastructures, gentrification, racial segregation, immigration, and poverty. A global study of cities also explores the way cities are designed across the world, including city layouts and the use of sidewalks, parks, streets, and other public spaces. These public spaces and their geography, political culture, and economic diversity are closely examined. Finally, the class investigates just how much influence our politicians and citizens have on the very cities they live in.

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

POL 466 Genocide: Fact and Film  
Prof. Hendrickson 12:30-3:30 Young 110  
This course explores theoretical and empirical understandings of genocide, complemented by films on related topics. Broad themes explored will be case studies of specific genocides, psychosocial causes and effects of genocide, as well as post-genocide social, political and economic recovery.  
**Open to IST and POL majors only.**

PSY 365 Law and Human Behavior  
Prof. Hamilton 12:30-3:30 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.  
**Open to PSY and BNS majors only (and waitlisted students after registration).**

REL 347 Liberation Theologies  
Prof. Axtell 10:30-12:00 & 2:10-3:40 Crouse 316  
**This course includes one required day trip (\$10 fee).** A study of liberation theologies with emphasis on the integrative analysis upon which their theological method depends. The course examines the socio-economic and historical situations out of which Latin American, African American, womanist, feminist, and gay/lesbian theologies of liberation have arisen; the social analysis they employ; and the reconstruction of Christian theology that results.

REL 459 Jews, Christians and Muslims in Morocco and Spain  
Profs. Hall and Pierce (off campus)  
This course explores the interactions, both historical and contemporary, of Judaism, Christianity, and Islam in Morocco and the Andalusian region of southern Spain. The course is designed to acquaint students with the cultural legacy of these interactions, a cultural legacy that is largely historical in Spain, but remains active, if contested, in Morocco. We will visit historical sites and active communities in Marrakech, Casablanca, and Fes in Morocco.  
**Open to students who have paid the deposit for this off-campus program.**

SPA 270 Latin American Culture  
Prof. Sabate-Llobera 9:20-12:20 Young 244  
A study of the character and spirit of the Hispanic people as exemplified in selected works of Latin American literature, articles, art, film, and music. Taught in Spanish. Prerequisite: SPA 220 or equivalent.

SPA 271/SPA 471 Spanish-American Culture Abroad  
Prof. Chinchilla (off campus)  
Like the on-campus course in Latin American Culture (SPA 270), SPA 271 will also involve a study of the character and spirit of the Hispanic people as exemplified in selected works of Latin American literature, articles, art, film, and music. However, this off-campus course, rather than take a broad-brush historical or continental perspective, will instead provide students with a unique, detailed, thematic focus on a specific region or country of the Spanish-speaking world. In SPA 271, special opportunities for experiential learning may include: home-stay living; community-based learning; and numerous site visits to monuments, museums, government institutions and cultural performances. Taught in Spanish. Prerequisite: for SPA 271, SPA 220; for SPA 471, SPA 250.  
**Open to students who have paid the deposit for this off-campus program.**

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

African and African American Studies: AAS 210/MUS 215, ANT 337, HIS 455, LAS 370

Asian Studies: ASN 252, ECO 315

Environmental Studies: BIO 280

Film Studies: EDU 280, HUM 293, FRE 265/465, POL 466

Gender Studies: ANT 308, BNS 285/PHI 385

International Studies: AAS 210/MUS 215, ASN 252, ECO 315, HIS 455, POL 466, REL 347, SPA 270, SPA 271/471

Latin American Studies: LAS 370, REL 347, SPA 270, SPA 271/471

Linguistics:

## FIRST-YEAR STUDIES

### COURSES EXCLUSIVELY FOR FIRST-YEAR STUDENTS

NOTE: The following courses are open only to first-year students (classification FF). All meeting times are approximate. There are no prerequisites for any first-year studies courses. 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 short field trips where students are expected to be responsible for their personal meal costs.

#### FYS 101 Renewable Energy: Technology, Policy and Centre

Prof. Young 12:30-3:30 Young 112

In this interdisciplinary course we will explore three renewable energy sources: wind, water, and solar. In addition to seeing the fundamental scientific principles that make each of these technologies work, we will also discuss the government policies relevant to the implementation of renewable energy systems. In each case, students will work together to debate how these technologies might be implemented on or near Centre's campus.

#### FYS 105 Mindfulness in the Digital Age

Prof. Wiles 9:20-12:20 Young 114

**This course includes a two-day field trip (no fee).** This class will explore the practice of mindfulness meditation and will apply it to our daily lives and our interactions with the modern world. In particular, the class will provide an opportunity for us to investigate the role of technology in supporting what is most meaningful to us as human beings. We will discuss the social implications of Cell Phones, Facebook, Instagram, Twitter, Youtube, Netflix and other technological innovations. We will also talk about our ultimate goals for technology and how we, as citizens, can take part in the governance and control of new technology. Finally, we will discuss what our experiences with mindfulness meditation might be able to teach us about new possibilities and ways of organizing our social and political future.

#### FYS 111 Shakespeare Stage and Screen

Prof. Goff 12:30-3:30 Grant 403

Shakespeare's plays have been around for centuries, and people continue to find new, exciting ways to bring them to life. In this class we will explore Shakespeare's plays by watching and analyzing stage and film productions. As we explore these performances, students will develop tools to read the plays creatively as theatre artists, and unearth their own interpretations of some of the English language's greatest stories. Playing with both comedy and tragedy, we will discuss how directors, actors, and designers arrive at the choices they make in preparing a production for performance. Students will develop their own creative approaches to the plays, culminating in a fully developed concept for a hypothetical production.

#### FYS 114 Big History: The Universe and Us

Prof. Falk 8:50-10:20 & 12:30-2:00 Young 245

This course binds together human history, natural history, and environmental geography to form a narrative of the universe and humankind's place in it. It will take you on an immense journey through time, from the origin of the universe, to possible futures of our planet and our species, and show you how deeply interconnected many disciplines are.

#### FYS 117 Women, Education and the Workforce

Prof. Prusinski 9:20-12:20 Grant 401

Despite the fact that women now graduate from college at a higher rate than men, the wage gap persists. Although programs that aim to increase women's participation in the natural sciences proliferate, women remain underrepresented in STEM careers. Even as presidential candidates laud the value of paid family leave, finding affordable childcare continues to be a challenge for women in school and women who work. This course will examine the relationship between women, education, and the workforce. We will ask whether and how education can play a role in helping women achieve parity in the workforce and examine major debates in the current literature on gender equality. This course includes a community-based learning component.

#### FYS 125 Revolution and Romantic Music

Prof. Seebacher 12:30-3:30 Grant 409

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.

#### FYS 126 Shape Shifters: Literature and Film of Metamorphosis

Prof. Emmitt 10:30-12:00 & 2:10-3:40 Crouse 468

This course focuses on the aesthetics of metamorphosis, a theme found in the literature of all ages and cultures, cutting across categories from social realism to fantasy. Discussion ranges widely, beginning with fairy tales and myths and continuing with fiction, drama, and contemporary film. Students have opportunities to respond to the material both imaginatively and analytically.

#### FYS 132 The Voice of Poetry

Prof. Manheim 10:30-12:00 & 2:10-3:40 Crouse 302

A study of the essential dimensions of poetry, including analysis, performance, and composition, as well as its role in community, education, and memory.

#### FYS 134 The Seduction of Socrates and Alcibiades

Prof. Cadavid 10:30-12:00 & 2:10-3:40 Olin 129

Alcibiades (450-404 b.c.e.) was an Athenian politician and military commander who was not only a charismatic leader but also a very controversial one. Some saw him as a traitor to Athens and one of the main reasons why Athens lost the war with Sparta. Others saw him as one of the brilliant youths corrupted by Socrates. Others saw him as a courageous leader who eventually proved his loyalty to Athens. Who was he? What can we learn from him about citizenship and loyalty to the State? In this course, we will study what we know about his life and how he was seen in Ancient Greece and Rome. Some of the authors we will read are Plato, Thucydides, Aristophanes, Plutarch, and Aristotle.

#### FYS 135 Phage Hunters: Laboratory Research in Microbiology

Prof. Nydam 9:20-12:20 Young 112

Bacteriophages are viruses that infect bacteria. Bacteriophages and their bacterial hosts are key players in human health and disease: bacteriophages are used in therapeutic treatments of bacterial infections that have resisted antibiotics, and an estimated 9 million people contracted the bacterial disease tuberculosis in 2013. In this course, students will contribute valuable data to the scientific community by discovering, isolating and characterizing bacteriophages previously unknown to science. Students will collect soil samples from the environment, isolate bacteriophages (bacterial viruses) from the soil, obtain a pure population of these bacteriophages, and visualize the bacteriophages via electron microscopy. Students will obtain an introduction to investigative laboratory research, and will master several techniques that are commonly used in microbiology and molecular genetics. Students will also examine the impact of bacteriophages and bacteria on human health, society, and history.

FYS 136 Rainmaking: The Study of and Preparation for Leadership

President Roush 12:30-3:30 Heritage Room-Old Centre

This course will acquaint the student with the literature associated with leadership studies. The student will be 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 several guest speakers (leaders in practice) from a variety of fields, and may include one field trip to explore the work of a leader in his or her workplace.

FYS 137 Fake News

Prof. Strysock 8:50-10:20 & 12:30-2:00 Crouse 468

Thomas Jefferson wrote to Richard Price in 1789 "that wherever the people are well informed they can be trusted with their own government," and the so-called Fourth Estate has long played the role of watchdog. Over the last decade or so, however, trust in the media has declined, and the veracity of news and information has become further complicated by the rise of social media and a Fifth Estate. As if to anticipate our current dilemma, Jefferson added in his letter to Price "that whenever things get so far wrong as to attract their notice, they [the people] may be relied on to set them to rights." How far wrong have things gotten in this era of "Fake News" and how do we set them to rights? With Jefferson as our anchor—along with reference to Plato's "Allegory of the Cave," as well as a history of the rise and fall of the media and the growth of technology—the course will investigate several case studies from a critical and non-partisan framework to think about the role of media in a democratic society, with students leading portions of these discussions. That said, one of the course group assignments will involve taking a specifically partisan approach to devise a strategy that exploits fake news using social media regarding a current event or issue. Groups will also be responsible for contributing to our four case studies. Finally, students will learn to write in the "inverted pyramid" or so-called Associated Press style and write reflections on visits by guest speakers.

FYS 138 The Coffeehouse and Public Life

Prof. Weston 9:20-12:20 SUTC 329

The café has long been a storied place for creating public life, from convivial social groups to intellectual salons to revolutionary cells. We will study how the café is a "third place" – not home, not work – where people from different social groups can meet and mix. Caffeine, especially in coffee, tea, and chocolate, has fueled a modern public sphere that promotes hard work and clear thinking. We will make several field trips to different kinds of cafés to see for ourselves how they can be incubators of public life, and to actively create critical discourse ourselves by talking to café regulars.

FYS 139 The Mathematics and Impacts of Gambling

Prof. Wigglesworth 9:20-12:20 Olin 122

In this class, areas of probability and discrete mathematics are used to examine the lottery and several casino games (roulette, poker, blackjack, craps, keno). In addition, students will explore the social and economic impact of the gaming industry, as well as the ethical controversies centered around gambling.

FYS 142 Anthropologists and Alien Worlds

Prof. Cutright 10:30-12:00 & 2:10-3:40 Olin 123

Science fiction allows us to imagine completely alien worlds and societies, but also provides an opportunity to reflect on what it means to be human. In this course, we will explore central aspects of human biology, language, gender, sexuality, and society by reading science fiction from an anthropological perspective.

FYS 146 The Story of China: Silk Road to the Yellow Sea

Prof. Yi 9:20-12:20 Young 139

Traveling from the Silk Road to the Yellow Sea, we explore the history and culture of the world's oldest continuous state. There will be six chapters: Ancestors, Silk Roads and China ships, Golden Age, the Ming Dynasty, the Last Empire and the Age of Revolution. The story begins with a general history of China from the earliest records of Chinese civilization through the first three decades of the People's Republic of China (PRC). We will travel across the country both chronologically and geographically by exploring the landscapes, peoples, and stories that culminated in the China we know today. We will be approaching China from a wide range of viewpoints, addressing political, economic, social, religious, philosophical, and artistic developments.

FYS 147 Spain in the Globalized World

Prof. Sprinceana 9:20-12:20 Crouse 405

What is Spain? What are you most likely to see if you visited Spain today? Hundreds of miles of white sand beaches filled with sunbathing brunettes? Bars with mouthwatering tapas and sangría, airing bullfights and soccer on every TV? What about flamenco, Penélope Cruz and Rafa Nadal? We will examine the source of these common stereotypes and build a realistic image of contemporary Spain. We will look at the historical, cultural, economic and social development of 20th and 21st century Spain and its full integration into the Globalized World. Topics will include post-Franco Transition to Democracy, Liberalization (La Movida), Europeanization, the challenge of regional/national identities, and contemporary social issues such as the changing roles of the family, women, religion, sexual attitudes, and immigration. We will engage these themes through the analysis and discussion of a wide variety of materials such as historical texts, socio-economic analyses, literary texts, essays, and films.

FYS 149 Doing Gender

Prof. Brewster 12:30-3:30 Grant 401

**This course includes a required three-night field trip to Chicago (no fee).** How are ideas and assumptions about sex, gender, and sexuality in everyday life normalized and taken for granted? This course seeks to answer this question by drawing on the works of classic theories in gender such as those by West and Zimmerman, R.W. Connell, Judith Butler, Diana Fuss and Michel Kimmel, among many others. The first half of the class will focus on interrogating the reproduction and performance of gender in various areas of society such as sports, media, music, dating and family life. Then, in the second half of class we shift our focus to exploring and deconstructing ideas about sex and sexuality. The format of each class will rely heavily on small group work and discussions with the end goal of each student producing a final research paper. You will also have an exciting opportunity to attend cultural events in another city and apply social theories to observations of life outside of the classroom.

FYS 151 Designing Democracy

Prof. Lunde-Seefeldt 12:30-3:30 Young 244

This course will take students behind the scenes to uncover what is required to consolidate democracy. We will examine primary ingredients including constitutions, executives, legislatures, voters/elections, political parties, and judiciaries. We will also consider the challenges to consolidation. Additionally, we will examine case studies that exemplify the institutions in the real-world, before applying them to a constitutional convention simulation event at the end of the course. And of course, we will consider what makes democracy something to strive for in the first place—what makes democracy so great that some consider it a universal value? Is it in fact all it's cracked up to be?

FYS 156 Farm to Table: A History of Food in America

Prof. Egge

9:20-12:20

Crouse 313

Students will explore the ideas, contexts, and contradictions embedded in the history of how Americans have produced, processed, distributed, and consumed food. Even though the number of available foods has increased over time, food choices have narrowed. In addition, Americans typically eat larger, but less nutritious meals than previous generations. Food also divides as much as it unites as inequalities abound in the American food system. These inconsistencies, alongside other factors like ethnicity, geography, gender, and class, reveal the centrality of food to American identity.

FYS 160 Health in Danville, KY

Prof. Berry

9:20-12:20

Olin 128

This community-based learning course investigates the health needs of Danville residents through the methods of Health and Social Justice Studies. We will read the 2017 Community Health Needs Assessment Report first, to determine county/local health problems from a statistical perspective. We will also learn from guest speakers such as Boyle County Public Health officials, cancer researchers at UK, Ephraim McDowell administrators, and other local experts on regional health. Readings will provide frameworks for understanding the relationship between social, economic, and political inequality and health disparities in regional (Kentucky, Appalachia) and national contexts. For the main project, students work with Danville residents to gather information on health and healthcare needs. Combining all of these perspectives, students will work in a team of 3 to design a sustainable resource that expands choices for community health needs, and at the end of the course, they will present each team's resource to the community for feedback.

FYS 167 An Introduction to Drawing

Prof. Jia

9:20-12:20

JVAC 205

This course introduces the fundamentals of drawing, including perspective, light and shade, expressive use of various media, and the principles of design. Studio work is complemented by written and oral assignments that teach students how to discuss and criticize drawings. Lectures, a museum visit, and student copies made from masterworks will familiarize students with the cultural contributions made in this medium since the Renaissance.

FYS 172 Zen and the Art of Going to College

Prof. Haskett

10:30-12:00 & 2:10-3:40

Young 138

This course emphasizes the historical, literary, and anthropological / sociological investigation of religion, which have been the dominant modes of analysis in the field for the last half century. It also incorporates cognitive science, brain imaging, and neurobiological aspects of research on meditation, which have emerged as popular research modalities in Buddhist Studies over the last decade. A straightforward vision of Buddhism and its history is presented, then re-examined from differing standpoints to demonstrate the value and necessity of critical thinking for in-depth understanding of religion. The course asks students to experiment with an ongoing program of meditation, and to write about their experiences daily. The course culminates in students composing a longer research paper in consultation with the instructor, and presenting the paper in a one-day conference format. The papers will address the possibility of applying insights from the study of Buddhism to ethics, environmental science, physics, neuroscience, medicine, and other topics that students will develop with input from the professor.

FYS 183 Financial Crises and Panics

Prof. Apostolova-Mihaylova

12:30-3:30

Young 111

Financial crises have occurred regularly throughout history and continue to occur today. The course will focus on several notable financial crises and market panics dating back to the 17th century and their causes, events, and consequences. Students will discover common themes between past and current events and explore the prerequisites and favorable conditions for a financial crisis. In addition, they will critically analyze the present conditions and make conclusions about the likelihood of similar events happening in the near future. Students will also examine the role and effectiveness of government intervention during The Great Recession. We will take a trip (tentative) to the Louisville Branch of the Federal Reserve to learn about the Federal Reserve System, responsible for conducting monetary policy; we will also consider how financial crises are portrayed in the popular media by examining and analyzing films such as Inside Job, The Big Short, and Margin Call.

FYS 186 Sustainable Cities

Prof. Lashley

9:20-12:20

Grant 402

**This course includes a required three-night field trip to Atlanta (no fee).** Cities are both a source of tremendous environmental innovation and problem-solving, and of resource destruction and pollution. Through the use of case studies, discussion, field research, and urban design workshops, this course will investigate the environmental challenges and opportunities facing cities today. Particular emphasis will be placed on analyzing the conflicts that arise from trying to balance economic considerations, social responsibility, and environmental protection, as well as analyzing models for achieving urban sustainability.

FYS 195 Radical Lives: Models of Subversion

Prof. Dove

8:50-10:20 & 12:30-2:00

Crouse 316

**This course includes a required one-night field trip to Louisville (no fee).** Why do some people dedicate their lives completely to a cause? How can two people interpret radical dedication to the same cause so differently? Why is some resistance to power peaceful and some violent? This course examines these questions and others about radicalization and subversion by comparing the lives of Ernesto "Che" Guevara – a leading commander in the Cuban Revolution - and Ernesto Cardenal – a revolutionary poet-priest from Nicaragua. This course will feature primary research into the lives of Guevara and Cardenal, participation in a contemplative retreat modeled on Cardenal's experience, and first-hand encounters with social situations similar to those that inspired Guevara.