

## 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. For complete details, go to:

[https://centrenet.centre.edu/ICS/Campus\\_Resources/Center\\_For\\_Career\\_Professional\\_Development/Internships/Internship\\_Funding.inz](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

ANT 342 Sexual Violence on College Campuses

Prof. Shenton 8:50-10:20 & 12:30-2:00 Young 112

**There is a \$50 fee for the course for guest speakers.** This course considers sexual violence on college campuses from an intersectional perspective. Students will explore the cultural underpinnings of sexual violence on college campuses as they take a sustained, in-depth look at some of the more pressing questions for college students: How should we deal with the alarming rates of sexual violence—sexual assault, dating violence, and stalking—occurring on college campuses? How do we frame this conversation currently, who is left out, and why? What does it mean to “center the margins” when we talk about sexual violence on college campuses? Components of the course will include analysis of sexual misconduct policy, action-planning for our own campus, and conversations with leaders in the area of sexual assault prevention and awareness.

ANT 459 Topics in Latin American Anthropology

Prof. Cutright (off campus)

This course takes an experiential ethnographic approach to questions of ethnicity, class, gender, religion, identity, globalization, social change, and other aspects of cultural practice in Latin America. Students read ethnographic literature and conduct their own projects utilizing participant observation, interviews, and other relevant methodologies, while placing their own observations in broader personal, social and historical contexts. Prerequisite: ANT 110 or SOC 110 or LAS 210 or permission of the instructor

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

ARH 310 The Art of Pilgrimage

Profs. Hall & Jefferson (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.**

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 230 Ceramics-I

Prof. Galli 12:30-3:30 JVAC 104

**There is a \$50 materials fee for this course.**

An initial studio experience in ceramic techniques which includes art theory and ceramic history. Processing, forming, and firing are studied in concert with an aesthetic consideration of the articulation of form and surface decoration.

ARS 260 Introduction to Moving Image

Prof. La Rocca 12:30-3:30 JVAC 108

This introductory course investigates time-based art practices that have roots in cinematography, narrative film, animation, and video art. The course will combine software demonstrations, hands-on exercises, theoretical and technical readings, discussion of a broad range of moving image art, and group critiques. Students will develop digital imaging, video and sound projects using current industry software.

ASL 110 American Sign Language-I

Prof. Bowen 12:30-3:30 Young 110

This course is a communicative language teaching and language immersion approach to learning beginning American Sign Language (ASL). Development of basic knowledge, conversational ASL and cultural features of the linguistic minority and community.

ASN 255 Boston and Japanese Art: The Other Tea Party

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

**This course includes a three-night field trip to Boston, MA (\$400 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 365 Plant Herbivore Interactions

Prof. Lubbers 10:30-12:00 & 2:10-3:40 Young 138  
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 or ENS 270.

#### BIO 372 Caribbean Ecology

Profs. Galatowitsch & Nydam (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.**

#### BIO 390 Biostatistics

Prof. O'Quin 8:50-10:20 & 12:30-2:00 Young 213  
Testing hypotheses by experimentation and statistical analysis is the heart of the scientific method. Biostatistics covers experimental design and data analysis for biologists, emphasizing the practical application of statistics to different biological problems and datasets. Topics include the scientific method, probability, estimation, graphical data exploration, hypothesis testing, linear correlation and regression, simple and complex ANOVA, ANCOVA, categorical variables, power analysis, simple multivariate analysis, and other special topics depending on student interest. In class, students use the statistical programming software R to gain practical experience interpreting and analyzing experimental results. Prerequisite: BIO 110 and MAT 130.

#### 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.

#### CHE 351 Chemistry of the Environment

Prof. Miles 8:50-10:20 & 12:30-2:00 Olin 123  
An examination of the physical and chemical principles and reactions that govern the behavior of both natural environmental systems and anthropogenic impacts on the environment. Prerequisite: CHE 132 or 135.

#### CLA 348 A People's History of Roman and Renaissance Italy

Prof. La Londe (off campus)  
What was the day-to-day experience of an ancient Roman? Or, a renaissance Florentine? How did this experience differ according to one's social class, gender, and citizenship? We will explore the ruins of Rome, Ostia Antica and Pompeii to get a sense of what daily life would have been like in these ancient cities, how they were organized, and how politics, culture and society animated them. We will experience how life in ancient Rome and its surrounding areas in Italy differed if you were a senator, a slave, a woman, a farmer, etc. In Florence we examine how the renaissance built—in architecture, visual culture, and city planning--on the ancient Roman legacy to create a radically different world from the one given by the medieval Church. By the end of the course, we will see how ancient Rome's complicated national and cultural identity was

realized in their cities, and the art and culture found within.

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

#### CSC 350 Parallel Computing

Prof. Toth 9:00-12:00 Olin 107  
An introduction to parallel computing. Topics include parallel architectures, parallel programming techniques and libraries, the study of existing parallel computing systems, and performance analysis. Parallel hardware is used to explore current libraries and methods used for parallel programming. Students implement an algorithm sequentially and using each parallel programming library and perform scalability testing of the algorithm. Prerequisite: CSC 221 and CSC 223 with a grade of C- or higher, or permission of the instructor.

#### DRA 342 Theatre in NYC

Prof. Hallock 12:30-3:30 Grant 403  
**This course includes a five-night field trip to New York City (\$400 fee).** New York City is the historical epicenter of professional theatre in the United States. In this class, students will examine specific genre's, events, movements and individuals in the art form. The specific course work will be tied, whenever possible, to performances we will attend during a 6-day residency in NYC. While on campus, students will study relevant history and critically examine the text/libretti of the plays we will be seeing. Prerequisite: DRA 133 or DRA 134 or DRA 230 or permission of the instructor.

#### ECO 315 The Chinese Economy

Prof. Zhao 9:20-12:20 Olin 128  
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 322 Post-Revolutionary Cuba: Then and Now

Prof. Petkus (off campus)  
This course will examine the evolution of Cuba's economy since the Revolution, with a focus on recent efforts to privatize certain sectors of the economy. Students will study the economic, political, and historical contexts in which the Revolution took place and the subsequent implementation of a centrally planned economy. Both macroeconomic and microeconomic topics will be covered as we examine how the Cuban government and people begin to implement market-oriented activity. Prerequisite: ECO 110.

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

#### 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 455 Experimental Economics**

Prof. Johnson 9:20-12:20 Young 113/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 251 Ghana: Exploring Education & the Environment Across the Globe**  
Prof. Murray (off campus)

Within a community-based framework, students explore the state of environmental education as well as education in general for a developing nation. The course seeks to prepare not only future educators but all students as lifelong learners within a global society. Students are asked to observe and analyze another culture without being judgmental. In response to specifically framed journal questions, students have the opportunity to enhance their critical thinking skills and written communication. Collaboratively students choose environmental topics of focus such as rain capture, water purification, pollution, and/or littering to develop hands-on activities that address appropriate curriculum objectives. Students' culminating work will be the implementation of their activities in a rural Ghanaian school. In addition to work in a rural Ghanaian school, students have the opportunity to learn about the culture as they interact with family members in their homestay, teach in the rural village of Avedo, and tour local/regional sites. Prerequisite: Permission of the instructor.

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

**EDU 256 Environmental Conservation & Education in Asia**

Prof. Prusinski &amp; Werner (off campus)

The environmental challenges currently facing Singapore and Thailand are wide-ranging and include biodiversity loss and land use change, carbon emissions and air quality concerns, and the sustainability of food and water resources. Many of the environmental problems in the region are connected with pressures from concurrent economic and population growth. While the tension between economic growth and environmental problems can seem myriad and intractable, approaches to environmental education and conservation are equally varied and wide-ranging. Communities, nonprofits, local governments, and schools are all exploring ways of countering environmental problems and teaching citizens about the importance of environmental protection. As a core experience in a scaffolded learning sequence on Asia and the Environment, students in this course will: encounter first-hand some of the environmental challenges associated with rapid economic growth in Asia; explore a range of perspectives on environmental education in Singapore and Thailand; learn from researchers at Kasetsart University in Bangkok about more sustainable water resource solutions; and work with environmental groups in Singapore's National Parks and NGOs to make Asia more sustainable and just. Prerequisite: ASN 275 or ASN 310 or BIO 375 or EDU 295 or ENS 210 or ENS 275 or PHI 145.

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

**EDU 270 The Autism Puzzle**

Prof. Plummer 12:30-3:30 Crouse 313

Students explore myths and realities of autism spectrum disorder including an examination of variation in the disorder and a historical perspective through pioneers in the field. The vaccination controversy, economic and international aspects, societal and family impact, environmental issues, educational and policy concerns, and other implications of the biology and psychology of autism are explored. Students have an opportunity to examine an area of interest related to autism. Prerequisite: Sophomore standing.

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

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

**This course includes a required two-night field trip to Memphis, TN (\$150 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 370 The Empire Writes Back**

Prof. Emmitt 10:30-12:00 &amp; 2:10-3:40 Crouse 302

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 256 Environmental Conservation & Education in Asia**

Prof. Prusinski &amp; Werner (off campus)

See EDU 256. **Open to students who have paid the deposit for this off-campus program.**

**ENS 257 The Roots of Mindfulness**

Prof. Klooster (off campus)

See PSY 451. **Open to students who have paid the deposit for this off-campus program.**

**ENS 320 Global Environmental Health & Development**

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

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.

**FRE 345 Muslim Women and Veiling: Transnational Perspectives**

Prof. Amer &amp; Connolly 9:20-12:20 Young 244

This course examines the history of Muslim veiling, the religious discourses which are regularly cited as dictating a dress code for Muslim women, and the historical, political, regional, and cultural variations in veiling practices. We also consider the multiple meanings that the veil has had for Muslim women, and pay attention to Muslim women's voices of resistance toward stereotypical images of the veil as they are disseminated by the media and by fundamentalist Islamist regimes. Prerequisite: FRE 220 or FRE 261 or equivalent for FRE 345; no prerequisite for HUM 298.

### GER 305 Introduction to the Cultural History of Central Europe

Prof. Ian Wilson (off campus)

This course leads students to direct encounters with the cultural history of Central Europe through travel to some of the countries that comprise this region now and have comprised it in the past. Though centered in Germany, visits may also include Austria, Switzerland, the Czech Republic, Hungary, Poland, Slovenia, Croatia, Bosnia, and Serbia. Emphasis is on extended classroom knowledge through on-site discovery of the geography, urban organization, transportation networks, commerce, and daily life of the area, as well as on discovering ways the past is preserved there, including architecture, museums, palaces and castles, monuments and memorials, and concentration camps. Prerequisite: GER 210.

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

### HIS 321 World War I in the Middle East

Prof. Sweis 12:30-3:30 Crouse 316

World War I, or "The Great War," lasted from 1914-1918, and its combatants were convinced it was the "war to end all wars." This course will focus on the Middle East front, the Ottoman Empire, which had allied with Germany and fought on five fronts against Great Britain, Russia, and Arab rebels. The Ottoman experience of World War I will be discussed and analyzed within the context of an Empire undergoing incredible transformations, yet faced with the corrosive pressures emanating from European powers. By the War's end, the centuries-old empire ceased to exist and many of the states that now characterize the Middle East took its place. By studying the history of this Empire in the context of a World War, students will be introduced to the major elements affecting the current Middle East: nationalism, tribalism, colonialism, and Islamist politics.

### HIS 327 The Wars of the Roses

Prof. A. Tubb 9:20-12:20 Crouse 316

During the late 15th century, England suffered through a series of terrible wars called the Wars of the Roses. Centuries later, novelist George R. R. Martin used the wars as a basis for his fantasy series called Game of Thrones. Come see how the real game of thrones was far more terrifying than anything a novelist could imagine!

### HIS 411 Recreating Revolution: France in 1791

Prof. S. Beaudoin 10:30-12:00 & 2:10-3:40 Young 112

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 433 Religion and Politics in Eastern Africa

Prof. Earle (off campus)

This course uses local histories and contemporary scholarship to explore the religious, political and intellectual history of eastern Africa. It provisions four modules, with each illuminating a distinct aspect of how communities have used religion to complicate centralizing politics (precolonial kingdoms, literacy and dissent, gender, postcolonial state). Using eastern Africa as our context, this course is designed to equip students to engage in rewarding, analytic field research. Through cultural immersion and modular learning, students critically engage with local communities, acquiring the necessary historical and anthropological skills to critically explore Africa's sophisticated social and moral landscapes.

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

### HIS 473 World War II: History & Memory on the Western Front

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: Permission of the instructors.

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

### HUM 261 Rainmaking: Study of and Preparation for Leadership

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

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.

### HUM 267 Art of Walking

Prof. Keffer 9:20-11:20 & 1:00-4:00 walks Grant 409

**This course includes several required day trips (\$10 fee).** This course consists of morning discussions of Martin Heidegger's *Being and Time* (1927) and of afternoon walks on sidewalks and trails in Central Kentucky. The first half of *Being and Time* gives humanity a new name--"Dasein"--and stresses the everyday experience of this being. Topics include the use of tools, group behavior and language. The second half re-reads Dasein's everydayness in starker terms of death, authenticity and time. Heidegger declares that we are not at home in the world. The course walks offer a first-hand experience of these themes and an opportunity to discuss or contest them non-frontally.

### 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, TN (\$150 fee).** See ENG 235.

### HUM 298 Muslim Women and Veiling: Transnational Perspectives

Profs. Amer & Connolly 9:20-12:20 Young 244

See FRE 345.

### INT 400 Internship

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

### MAT 265 Origami: The Blend of Math and Art

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

This course consists of three parts, folding exercise, origami theory behind the hand-on activities, and Japanese art history. Modern geometry will be introduced, together with an exhibition of Japanese arts of Edo period. A rich variety of geometric topics beyond those studied at the high school level will be investigated. Prerequisite: MAT 230.

## MUS 216 Songwriting from Theory to Practice

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.

## PHI 328 Kant

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

Kant is often billed as synthesizing the best of previous opposed philosophical traditions (rationalism and empiricism in epistemology, rationalism and sentimentalism in moral philosophy) and challenging their shared assumptions. This course is an examination of Kant's project. Topics considered include: the synthetic a priori, the ideality of space and time, Kant's response to Leibniz's conception of substance and Hume's skepticism about causality, his "refutation" of Cartesian skepticism, his explanation of the possibility of freedom, his defense of the "categorical imperative" as the fundamental principle of morality, and his defense of morality itself. Prerequisite: PHI 220 or consent of the instructor.

## 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.

## POL 410 Politics of Utopian Movements in the U.S.

Prof. Hartmann 8:50-10:20 & 12:30-2:00 Crouse 302

**This course includes a day trip to Shaker Village and a two-night field trip to Summertown, TN (\$110 fee).** This course will explore the history and political significance of utopian movements in the United States. The political issues to be addressed include: elements of the greater society's political system these movements seek to escape; these societies' visions of a more fair, just and moral political order; their conceptualization of key political terms such as democracy, liberty, equality, balance of power, rule of law, individual (or group) rights; and the future of utopian movements in the United States. Utopian communities located in the area will provide an opportunity for site visits.

## POL 459 A People's History of Roman and Renaissance Italy

Prof. Paskewich (off campus)

See CLA 348. **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 Crouse 315

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.

## PSY 230 Applied Psychology

Prof. Hamilton 12:30-3:30 Young 231

A comprehensive survey of the major areas of applied psychology such as clinical, industrial, sports, legal, health, and organizational psychology. The principles of basic psychology which have been adapted for problem solving in these areas are emphasized. The diversity of career settings in which applied psychologists work is explored.

## PSY 451 The Roots of Mindfulness

Prof. Godlaski (off campus)

Mindfulness is a ubiquitous term in contemporary Western mental and physical healthcare. While commonly applied as a secular "skills training" in Western medicine, most practitioners know little about the idiosyncratic culture from which mindfulness emerges, where this concept is embedded in the Japanese ethos. Similarly, the Japanese practice of forest therapy is gaining increasing popularity in the West. Yet between the two countries, the practice varies widely due in part to varying cultural conceptions regarding nature and health. This course provides an immersive exploration of the intersection of mindfulness and forest therapy as they relate to physical and environmental health. Prerequisite: PSY 110 recommended.

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

## REL 310

Profs. Hall & Jefferson (off campus)

See ARH 310. **Open to students who have paid the deposit for this off-campus program.**

## REL 334 Islam in America

Prof. Pierce 9:20-12:20 Crouse 313

**This course includes a required, nine-night field trip to Raleigh/Chapel Hill, NC, Washington, D.C., New York City, NY, and Dearborn, MI Jan. 8-18 (\$400 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.

## SPA 270 Latin American Culture

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

**This course includes day trips to visit and learn about Hispanic communities in Kentucky.** 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 placement.

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

African and African American Studies: EDU 251, HIS 433, REL 334

Asian Studies: ASN 255, ECO 315, EDU 256/ENS 256, HIS 329, PSY 451/ENS 257

Environmental Studies: BIO 372, CHE 351, ENS 257/PSY 451, ENS 256/EDU 256, ENS 320

Film Studies: ARS 260, POL 466

Gender Studies: ANT 342, FRE 345/HUM 297

Global Commerce: SPA 270

International Studies: ECO 315, ECO 322, ENS 320, HIS 329, HIS 433, HIS 473, POL 466, SPA 270

Latin American Studies: ANT 459, BIO 372, ECO 322, SPA 270

Linguistics:

Social Justice: HIS 433

## 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 102

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 Technology and Social Values

Prof. Wiles 9:20-12:20 Grant 402

This course will use sociological theories and methods to investigate how technological innovations support or constrain the social world. We will examine how social, institutional and organizational contexts have facilitated or inhibited technological development. Our emphasis will be on digital technologies and we will carefully consider our use and ultimate goals for these technologies. We will discuss the role of informed citizens in the governance and control of new technologies. Finally, we will discuss alternative ways of organizing and experiencing our world and what these might be able to teach us about new possibilities and directions for our social and political future. The course may have several full-day fieldtrips.

#### FYS 111 Shakespeare Stage and Screen

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

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 138

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 116 The Architecture of Democracy

Prof. Gaddie 9:20-12:20 Young 231

This course explores how space and place and values come together in the design of our public space and the presentation of our public buildings. Students will study the expression of architectural schools and political values in public structures. We will apply these lessons to local civic structures and spaces, both through assessment and imagining change to these places and spaces. Special topics will include social messages and the changing meaning of public spaces, including controversies over Confederate memorials.

#### FYS 118 Hamlet

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

Shakespeare's Hamlet is perhaps "the" central literary work of Western culture. Why? In attempting to answer this question, we will read the play carefully and talk about it; we will perform scenes and think about how they work; we will consider the play's sources and its historical background; and, perhaps above all, we will ponder the many things that Hamlet the play and Hamlet the character have meant over the years, to writers as diverse as Goethe, Freud, and Tom Stoppard, in literary works, theatrical productions, films, and popular culture.

#### FYS 123 The Cultural Evolution of Modern Japanese Cinema

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

This course will provide a survey of Japan's rich cinematic history, with viewings from the Golden Age of Japanese cinema by directors such as Mizoguchi, Kurosawa, and Ozu, and will compare their work with the work of modern directors whose films have gone on to international acclaim such as Juzo Itami, Hayao Miyazaki, Hirokazu Kore'eda, and Takeshi Kitano.

#### FYS 131 Storeytelling

Prof. Kagan-Moore 12:30-3:30 GRNT 501

This course will center upon storytelling performance. Storytelling takes many forms in our culture. It is an essential element in defining who we are as a culture, a nation, as groups, and as individuals. This course will explore storytelling as a large group activity, working in small groups, and solo performance. Individual sessions will be scheduled for the afternoon, usually 30-45 minutes. Some evening.

#### FYS 133 The History of American Holidays

Prof. Strauch 9:20-12:20 Crouse 315

America's calendar is filled with holidays which range from national events such as the Fourth of July to religious occasions such as Christmas to ethnic celebrations such as St. Patrick's Day. This course will examine the historical development of the American calendar and investigate ways of understanding these ritual events. We will explore why some holidays gain importance while others fade away and why holidays are frequently sites of conflict.

#### FYS 143 Fibers and Forces

Prof. Fulfer 8:50-10:20 & 12:30-2:00 Olin 129

In this course we will explore the science behind how various fibers, including wool, hemp, cotton, and nylon, are produced, processed, and discarded at their end-of-life. We will also explore some environmental and social justice issues associated with the fibers we use in our daily lives.

#### FYS 144 Creative Problem Solving

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

Retrain your brain to think like a social scientist: look at problems in a new light, leverage incentives to create change, and gather momentum behind your solutions. You will learn to "Think Like a Freak" as we explore how economists break down problems and forge novel, effective solutions. We will use a problem-solving framework to find innovative ways to enrich our community. "Creativity" is not a prerequisite – it's the goal!

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 149 (Un)Doing Gender

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

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 and a presentation related to the performance of gender in contemporary society.

FYS 150 Life in the State of Nature

Prof. Betz 9:20-12:20 Young 245

Life under a stable government is something most of us take for granted, but what would life be like without it? Would life be so bad that we would have no choice but to create one? Is the 'state of nature' so bad that any government is preferable to none? Or is the belief in the authority of even the best governments a moral illusion? These are among the foundational questions in moral and political philosophy, and we will investigate some possible answers through philosophical texts, literature, and movies.

FYS 151 Designing Democracy

Prof. Lunde-Seefeldt 12:30-3:30 Crouse 405

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 152 Imagining the Future: Science Fiction, Ethics, and Us

Prof. Allen 8:50-10:20 & 12:30-2:00 Olin 122

Science fiction provides glimpses of possible futures and helps us see our present lives from new perspectives. In this course, sci-fi films, short stories, novels, and games will serve as the backdrop as we discuss how to navigate the ethical challenges and dilemmas of a world in which work, play, privacy, relationships, security—even what it means to be human—are in rapid flux.

FYS 155 Hybrid Identities in the Global Age

Prof. Limerick 12:30-3:30 Crouse 468

"Identity" has become a ubiquitous word to refer to how we view ourselves, how we're viewed by others and how we move through the world, but what happens when the lines that delineate our identities get a little blurry? In this class we're going to engage the themes of hybridity and fluidity with respect to culture, race, ethnicity, language, gender and technology via analysis of a diverse sampling of 20th and 21st century literature, music, visual art and film. We'll read short stories, essays and autobiographies from authors like Zadie Smith, Trevor Noah, Jhumpa Lahiri and Haruki Murakami; listen to musical offerings of an Argentine bluegrass band and explore the global phenomenon of K-Pop; watch several films including cult classic *Bladerunner* as well as contemporary genre-bending films like *Get Out*, and take a field trip to the Speed Museum in Louisville to explore visual art.

FYS 159 History and Storytelling in Video Games

Prof. Harney 9:20-12:20 Young 246

In this class we will look at the way that video games represent historical dynamics and recreate historical settings. We will look at how video games tell history but also how historical processes shape the production of video games. How can historical study enrich our enjoyment of this medium, and how does this medium help us understand the relationship between storytelling and historical study?

FYS 160 Imagining Home: Global Migrations and Religious Identities

Prof. Sippy 9:20-12:20 Crouse 468

**This course includes a required three-night field trip to Minneapolis/St. Paul, MN (no fee).** What and where is "home" for people on the move? Is "home" a place, a tradition, a family, a nation, a people, a prayer, or a dream? Who feels "at home" and why? How does the stranger define who belongs? What are the effects of diaspora on religion, culture, politics, fundamentalism, gender, sexuality, and community? This class will consider the experiences of diasporic communities—Jews, Africans, and Asians—in history and modernity. Through works of literature, theology, film, and cultural studies and numerous site visits we will explore how communities have preserved, negotiated, and transformed their identities, traditions, and nationalities in global migrations and contexts.

FYS 162 The Western

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

The Western is a particularly (and sometimes peculiarly) American genre that has been both immensely popular and of great political and cultural significance. In this course we will explore a variety of Western stories in history, literature and film.

FYS 165 Stories in the Cloth

Prof. Osanloo 9:20-12:20 Young 110

In this course, students will compare the connections between fabric and words. Are words the only way to tell a story? Is there a difference between "writing" a story and "making" a story? We will explore the historical, multicultural, and gendered roots that merge language arts with textile arts (i.e., quilting, embroidery, etc.), arguing that both are figures of speech. In addition to assigned readings and in-class discussion, students will examine the above questions through hands-on "making" (writing and sewing). By semester's end, each student will have a portfolio of writing and a handful of small, hand-sewn objects. Every good artist conducts a dialogue between concrete practices and thinking; this dialogue evolves into sustaining habits, and these habits establish a rhythm between problem-solving and problem-finding. Students will work with both words and fabrics. No previous sewing or creative writing experience necessary.

FYS 167 An Introduction to Drawing

Prof. Hall 9:20-12:20 JVAC 204

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 169 Breaking the Code

Prof. Swanson 8:50-10:20 & 12:30-2:00 Olin 109

Sending secret messages has been of interest since Ancient Egypt. Senders are constantly seeking for harder to break codes. We will discuss the techniques of encrypting and decrypting secret messages throughout the years, with a main focus on during the World Wars. We will develop basic mathematical tools to write and break secret messages. Additionally, we will discuss impacts that secret messages have had on historical and societal events.

FYS 170 Hip Hop 101

Prof. Van Niekerk 12:30-3:30 Grant 402

An overview of rap and hip hop history and culture from the South Bronx in the 1970s to contemporary hip hop in the age of Black Lives Matter. This course will emphasize academic writing, research and close listening, with specific emphasis on the creative output & legacy of, among others, DJ Grandmaster Flash, DJ Kool Herc, Afrika Bambaata, Public Enemy, Run D.M.C., N.W.A., Dr. Dre, 2Pac, Lauryn Hill, Notorious B.I.G., Nas, Eminem, Jay Z, Kanye West, Killer Mike, Lil Wayne, Kendrick Lamar, Beyoncé, Nicki Minaj, J Cole, Cardi B & Cupcakke.

FYS 196 Monitoring Earth From Space

Prof. Nyerges 12:30-3:30 Crouse 415

Space-borne sensor platforms including NASA's Landsat series of satellites have been acquiring images of the earth's surface since the early 1970s. The result is a matchless record of planetary environmental change over the last forty years. In this course, students learn to view, analyze, manipulate, classify, and evaluate these complex image data. For their final project, they produce verifiable land cover classifications from multiple images to compare in the quantitative assessment of environmental change over time.