AAS 230 Beyond Black Panther: Afrofuturism in the Arts
Prof. Van Nierkerk 12:30-3:30 Online

The term ‘Afrofuturism’ was first mentioned by cultural critic Mark Dery in the 1990s. He identifies it as “speculative fiction that treats African-American themes and addresses African-American concerns in the context of twentieth century technoculture – and more generally, African-American signification that appropriates images of technology and a prosthetically enhanced future.” In this course we will investigate the music, poetry, literature art and film of African and African diaspora cultural traditions and their reimagining within the evolution of Afrofuturism and speculative fiction. We will have the rare privilege of focusing exclusively on Black voices and cultural customs and traditions from Africa. Artists under investigation include Pilani Bubu, George Clinton, Ryan Cogler, Kendrick Lamar, Janelle Monáe, Deji Okuloton, Sun Ra, Wole Soyinka, and Ytasha Womack. The course features guest presentations by filmmaker, dancer and Afrofuturist scholar Ytasha Womack and SAMA Award-winning South African musical folklorist Pilani Bubu.

ANT 296 Geospatial Analysis (S)
Prof. Nyerges 12:30-3:30 Remote/Crounse 415

Space-borne sensor platforms including NASA’s Landsat series of satellites have been acquiring digital images of the earth’s surface since the early 1970s. The result is a matchless record of planetary environmental change under pressures of human exploitation extending over 50 years. In this course, students learn to view, manipulate, classify, and evaluate these complex image data. For their final project, they produce verifiable land cover classifications to compare to existing classifications in the quantitative assessment of anthropogenic environmental change over time.

ANT 341 Medical Anthropology
Prof. J. Shenton 9:20-12:20 WeisgerTheatre(Stage)

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

ANT 386 Archaeology of Colonialism
Prof. Meissner 12:30-3:30 Crounse 313

The imposition of European colonialism in the New World during the 15th to 19th centuries profoundly altered cultural lifeways of all groups involved. This course takes a multidisciplinary approach to colonial encounters to reassess the past through the lens of postcolonial theory and the interpretation of material culture. The class will focus on processes of ethnogenesis, culture contacts, and resistance to colonial domination using archaeological and bioarchaeological data from North America, Mesoamerica, and South America. A major portion of the course will analyzed data from prehistoric and Colonial-era archaeological sites in Spanish La Florida to understand shifting economies and the emergence of new political organizations. Prerequisite: ANT 110 or ANT 252.
This course focuses on a theme related to an under-represented aspect of the social history of Central Kentucky (for example, urban renewal in Danville). Students will learn and practice techniques relevant to the elicitation of oral histories: interviewing, fieldwork, digital transcriptions, archiving, and ethnographic writing.

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

This workshop course will cover the basics of developing ceramic glazes and gas kiln firing. We will use the student-developed glazes on the ceramic sculptures and wheel thrown pottery that is made during the course. Students will gain hands-on experience through the faculty-guided gas firings.

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There is a $175 materials fee for this course. From traditional vessels to sculptural forms, students learn the fundamental techniques of glass blowing and casting. Attention is given to the history of glass and to the formulation of a personal expression through the creation of glass objects.

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

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.
BIO 455 The Biology of Viruses
Prof. Richey 10:30-12:00 & 2:30-4:00 Young 101
An introduction to the biology of viruses (virology). This course covers the taxonomy, replication, pathogenesis, control, and evolution of viruses in bacteria, plants, and animals. Prerequisite: BIO 110 and BIO 210.

BMB 300 Special Topics in Biochemistry
Prof. Dew 12:30-3:30 Young 112
This class will involve close reading of the primary literature in biochemistry. Emphasis will be placed on biochemical methods. Prerequisite: BMB 310; BMB majors only; this course is not available to students that have taken BMB 316.

BNS 451 Sexy, Tasty, and Fly
Prof. Bell 1:00-4:00 Young 208
Laboratory neuroscience is not just about the study of humans, rats, or birds. Insects also provide an exciting model for exploring and understanding complex organismic behavior. This course will provide an investigative study into the intrinsic role of chemical senses on female Drosophila Melanogaster (fruit fly) reproductive behaviors. Lectures will focus on seminal fly research articles within neuroscience and the chemical senses. Labs will explore anatomical and behavioral differences in mated vs. non-mated female flies, and how manipulation of chemosensory input modulates behavior. Prerequisite: BIO 110 and BNS 295 or PSY 295.

CHE 348 Polymer Chemistry
Prof. Workman 9:20-12:20 Young 213
An introduction to the field of polymer chemistry. The history of polymer chemistry, the synthesis of organic and inorganic polymers, basic kinetics and thermodynamics of polymers, the relationship between structure and properties, the characterization of polymers and the impact of polymers on the environment will be covered. Prerequisite: CHE 242 or taking concurrently.

CLA 341 Sex and Gender in Ancient Greece and Rome
Prof. La Londe 10:30-12:00 & 2:30-4:00 Crounce 301
Greeks and Romans thought about sex and gender radically differently than we do today. What can we learn about ancient Greek and Roman culture from their sexual behaviors, desires, and identities? How does one’s gender identity relate to one’s sexuality in ancient Greece and Rome? And what difference does it make to us now, if things were so different in the past? In this course, we will explore these questions by analyzing literary, artistic, historical, and archaeological evidence to form a picture of the relationship between gender identity and sexuality in ancient Greece and Rome. We will pay particular attention to how the experiences, gender, and sexuality of the authors or creators of the available evidence inform, limit, and influence the ‘story’ of gender and sexuality that they tell.

CRW 300 Advanced Creative Writing Across Genres (A)
Prof. Williams 8:50-10:20 & 12:30-2:00 Online
For the committed writer of poetry, fiction, or creative non-fiction who wants to engage in serious discussion of their work and that of their peers and of relevant readings. Students work on a longer manuscript in a primary genre, and one shorter piece in a secondary genre. Students select (most of) the texts for the class. We will also look at contemporary journals and webzines that publish these genres, as well as seminal essays about them. The class is run as a seminar-type discussion and intensive workshop class. Active and regular participation in discussion is required. Prerequisite: At least two courses in creative writing or permission of the instructor.

CSC 375 Voting Theory
Prof. Bailey 10:30-12:00 & 2:10-3:40 Young 201
A study of the mathematics of voting systems and preference aggregation more broadly, for both single and multi-winner scenarios. In the latter, we examine the kinds of outcomes that rules are designed to achieve, popularity, diversity, and representation. We also examine a collection of desirable properties we would like our elections to have, and grapple with the impossibility of any election satisfying all of these properties. Prerequisite: CSC 270 and MAT 200 or MAT 300

DSC 150 How to Lie with Statistics
Prof. Lamar 8:50-10:20 & 12:30-2:00 Young 110
In a world filled with fake news and misinformation, lying with statistics has become all too commonplace. This course, designed as a first exposure to statistical thinking, will explore some of the most common ways that statistics are used to mislead the population enabling students to be more wary of the statistical claims that they hear every day.

EDU 331 Gender and Education
Prof. Prusinski 9:20-12:20 Norton Center Newlin 512 (Board Room)
In this course, we will examine the relationship between gender and education, primarily in the United States and countries of the Global South. The key question that guides this class is: what are the limits and possibilities of education as a tool for promoting gender equality? As one of the primary arenas in which social and political goals are determined, shared, and challenged, education represents an ideal setting for exploring questions about gender roles, norms, and equality. Our primary focus will be on formal educational settings, but we will also look beyond the classroom in order to consider co-curricular activities and spaces. Prerequisite: EDU 227 or SOC 110.
This course explores how modern English—or, more accurately, modern Englishes—developed from distant origins in Indo-European to the present. We will emphasize how modern vocabulary, pronunciation, grammar, and spelling can be better understood when we recognize the history hiding behind what we say and write. We'll examine how we think about authority and power when it comes to language and what it means to be right and wrong. Special topics will include African American English; Kentucky, Appalachian, and southern dialects; language and technology; gender-neutral language; and the history of dictionaries and correctness.

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.

This course focuses on the relationship between two different art forms: the storytelling techniques native to the medium, its long identification, race, ethnicity, gender, class and politics. Course taught in English.

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

This course examines the complex and, often problematic, presentation in film of race and gender during The Civil War. We will begin with a study of the 1939 film, Gone With The Wind, and close with the 2019 biopic of Harriet Tubman, Harriet. How did the earlier film influence the way we tell stories of slavery and resistance on the screen and in the culture? How does the later film re-position our focus toward the lived experiences of the enslaved, of the escaped, and, even, of the newly energized? We will alternate between examinations of film history/production and theoretical readings around gender, race, and slavery in the U.S. The course will pay particular attention to the experiences of free and enslaved black women and the roles of white women during slavery.

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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.

This course explores how the Nazis rose from an obscure party in southern Germany to absolute rulers over much of Europe.

This course will assess the history of fear, hauntings, and suspense in US history using ghost stories, haunted places, and other supernatural examples. The major themes will address the importance of place and locality in American history, the role ghost stories played in regulating behavior, the cultural context of fear, and the change in conceptions of ghosts and the supernatural over time. The course will include excursions to haunted places as well as research into the supernatural at Centre College.

This course will focus on music, visual art, dramatic works, and other art forms of underrepresented artists. Performances and presentations by the Harlem Quartet are a major component of this class. Great art exists by many who are not well known for a variety of reasons including race, ethnicity, gender, or imposed expectations upon even a well-known artist. This class sheds light on examples of these works and their importance to society.

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.

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. **Note:** This course is only open to students that will be on campus in the CentreTerm due to the required walks for the course.
course focuses on a close, critical reading of Ellison’s novel, with particular interest in what resources it offers for thinking about systemic racism and the Black Lives Matter movement. Beside the novel, we will read critical essays on the novel and on Ellison as well as contemporary material on current affairs.

PHY 240 Oscillations and Waves
Prof. Neiser 9:20-12:20 Online
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 404a Advanced Special Topics: Criminal Justice Policy Narratives (D)
Prof. Schwaebel 9:20-12:20 Young 111
This course will provide an understanding of how to empirically study narratives using cases of criminal justice policy in the United States. A goal of this course is to give you a better understanding of the different sides of criminal justice policy through analysis of narratives. You will also gain knowledge about the role that narratives play within the broader policy making process. From Lyndon B. Johnson’s War on Crime to Richard Nixon’s War on Drugs expanded by Ronald Reagan, presidential rhetoric and framing of who is a criminal and what is a crime has had extensive effects on the nature of criminal justice policy in the United States. In addition to studying narratives from those with political power, we will analyze narratives from less privileged positions in these policy debates, including those who are currently and formerly incarcerated, and members of communities of color which have been most affected by the mass incarceration policy problem in the United States. This will increase our understanding of the scope of the problem and potential policy solutions going forward.

POL 404b Advanced Special Topics: Law and Cinema
Prof. Ebin 9:00-12:00 Young 112
This CentreTerm course explores the law through the lens of cinema from three different vantage points. We will begin by first examining the ideological functions the law serves in Hollywood films. Put another way, students will be asked to think about how the law is alternately reified and demonized in film, and to critically examine what this tells us about our societal perceptions of the law as an institution. We will then turn to an exploration of the figure of the lawyer/legal student, with a focus on how race, class, and gender stereotypes are produced and reproduced in cinema. Finally, we will examine the presentation of an actual case in a movie, reading the case and supporting documents that the movie is based on to assess how accurately (or not) the film represents the legal issues.

POL 422 Appalachia in Global Context
Prof. Mohamed 12:30-3:30 Norton Center Newlin 512 (Board Room)
This course will apply a global lens to Appalachia’s historical and economic development, drawing comparisons between the region and other socioeconomically disadvantaged regions of the world. Special attention will be paid to Appalachia’s historical place as a source of raw materials for more industrialized parts of the country and how the decline of extractive industries has affected Appalachian communities over the last several decades. The course will also cover (mis)perceptions of Appalachia and the ongoing global opioid epidemic. Prerequisite: ECO 110; POL 370 or 371 is recommended.

PSY 345 Work and Design Psychology
Prof. Morris 1:00-4:00 Young 231
A survey of Industrial-Organizational Psychology and Ergonomics. Students will explore the role of psychology in product design, workplace organization, and human-machine interaction. The course emphasizes applying psychological principals and theories to real world problems for the benefit of the user. Prerequisite: PSY 110.

SOC 210 Social Welfare: Social Workers, Activists, Bureaucrats
Prof. Weston 9:20-12:20 Grant 403
If you want to help people and make the world a better place, you need institutions to work through. This course examines the institutions through which we try to improve social welfare. Social welfare encompasses everything from the micro level of social workers giving hands-on assistance to people in need; through the mezzo level of local government and charities; to the macro level of non-profits advocating social policy, and state and national government agencies administering programs to help and develop people.

SOC 355 Crime and Deviance
Prof. Brewster 12:30-3:30 Crounse 105 (Vahlkamp Theatre)
This course is an introduction to social scientific approaches to understanding crime and deviance. We will approach the study of deviance from a mix of theoretical perspectives. We will focus on criminal and non-criminal forms of deviance with the goal of understanding how social constructions of deviance change over time and are contingent upon other factors such as, race, class, gender, location and differences in power. The format of the course will rely heavily on discussion, students will engage with the material through the assigned readings, small group activities, and large group discussions. Prerequisite: ANT 110 or SOC 110 or permission of the instructor.

SOC 386 Sociology of Food and Agriculture (S)
Prof. Wiles 9:20-12:20 Online
Food plays a central role in our daily lives, connecting us to each other and to the natural world. This course will focus on the social context of food and agriculture and the political economy of the food system. We will look at the ways that food choices can build community, contribute to environmental sustainability, and support health and well-being. We will also explore how the contemporary production (agriculture), distribution, and consumption of food reflect social and economic power relationships. Prerequisite: ANT 110 or SOC 110 or permission of the instructor.

SPA 272 Struggles for Inclusion: Cultural Representations of U.S. Latinos in Media and Literature
Prof. Junco 12:30-3:30 Online
This course examines the representations and cultural meaning of US Latinx populations in mainstream media and literature. We will discuss examples and situations in which the portrayal of Latino communities contributes to the construction of stereotypical identities and biased language. The course will also look at the role of language attitudes and their effect in language policy and linguistic varieties and practices that emerge from Spanish and English contact situations (e.g. borrowing, code switching, Spanglish). We will pay particular attention to different cultural products such as children’s picture books, magazines, advertisement, and films. Prerequisite: SPA 220 or placement.

SPA 367 Crossing la línea: Imagining the U.S. Mexico Borderlands
Prof. Daniels 10:30-12:00 & 2:10-3:40 Remote/Grant114
This course, a seminar with an emphasis on discussion, explores how writers, artists and filmmakers have represented the U.S. Mexico border region and how those constructions have mutated over time. We will examine the U.S.-Mexico borderlands in ways that take us from a concrete analysis of the region to more abstract notions that include the border as a means of forging of new identities. We will explore questions such as: What are borders and borderlands? How have they been created? How are border people imagined, constructed, and exploited? These large questions will be manageable because of our emphasis on narco narratives and how they both contribute to understanding the complexity of the violent phenomenon of the drug trade and how they glorify the drug trade, contributing to its mythic status. Prerequisite: SPA 250 or permission of instructor.
THR 315 The Company
Prof. Kagan-Moore 1:00-4:00 Remote/Grant 501
An intensive, Centre term course aimed at producing a piece of theatre. Instructor and students work together on an agreed theatrical outcome and are responsible for all aspects of their own performance.

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

- African and African American Studies: AAS 230, FLM 271, LAS 240, PHI 430
- Asian Studies: ASN 258/ENS 258
- Environmental Studies: ANT 296, ASN 258/ENS 258, ENS 310, SOC 386
- Film Studies: ENG 236/FLM 270, FLM 251, FLM 271, LAS 240
- Gender Studies: CLA 341/HIS 412, FLM 271, GER 150
- Global Commerce: SPA 270
- International Studies: ENS 310, HIS 409, POL 420, SPA 270
- Latin American Studies: ANT 386, LAS 222, SPA 270, LAS 240
- Linguistics:
- Social Justice: ENS 310