

Fall 2009 Tutorials

****All tutorials are one credit hour. Tutorials that meet for one hour or less meet the entire semester while tutorials that meet for longer than one hour do not meet the entire semester.**

Misconduct in the 'Business' of Scientific Research

Larry Draper, Molecular Biosciences

HNRS 190 # 45255

8:00-8:50AM M

102 NUN

With the advent of molecular biology and genetic engineering, the pace of biological discovery has surged. These rapid advances have formed the basis for an exploding biotechnology industry, particularly in medicine, in which huge financial rewards are possible. Moreover, the careers of scientists have come to depend on new discoveries. But such pressures have tempted some to commit scientific fraud and other abuses. In this tutorial we will review a number of such cases of misconduct, examine the causes, and explore the attempts by the scientific community and the government to guard against this behavior. Selected readings will be provided as the semester progresses.

King Arthur: A View Across the Disciplines

Mark Daly, Honors Program

HNRS 190 # 42163

9:30-10:30AM T

218 NUN

Who was King Arthur? The answer to this question is highly debated and depends in large part on academic discipline. Does Arthur have an historical basis, or is he entirely fictitious? In this tutorial students will explore the figure of King Arthur and his heroes using several approaches from various disciplines: history, folklore, art history, English literature, French literature, and German literature. We will read excerpts from early chronicles, and heroic tales, a French romance, a German romance and an English romance. In addition to a look at the figure of Arthur, we will analyze the tools and methodologies employed by the various disciplines in their research and evaluate how interdisciplinary cooperation could improve research in the Arthurian field.

Bohemian Rhapsody and Beyond

Sandra Wick, Honors Program

HNRS 190 # 42159

10:00- 11:50AM M

102 NUN

As a cultural phenomenon, rock music has carved out a space in the cultural landscape. This tutorial will examine the various ways scholars approach and research the topic of rock 'n roll music. Students will become acquainted with a variety of culture theories and be asked to apply these specifically to the 30 + year career of the rock band Queen. If you are interested in enrolling in this tutorial, ask yourself the question as you listen to your music or attend concerts this summer "What is the difference between these two statements: 1) I like this (song, band, artist, flavor of ice cream etc) and 2) this (song, band, artist, flavor of ice cream etc) is good (the best, greatest). How might these questions relate to our study of rock 'n roll music and the music of Queen?"

**A Study of the Nature and Importance of Jacob Bronowski's The Ascent of Man.
Philip McKnight, Curriculum and Teaching, and Humanities and Western
Civilization.**

HNRS 190 # 45251

11:00 - 11:50AM R

450 JRP

One of the seminal books in the history of science is Bronowski's *The Ascent of Man*. Though written forty years ago, its observations, ideas, insights, and ideals are contemporary in nature and value to our current events and challenges in science, politics, sociology, etc. They are therefore of significant value and importance to current students in our Honors Tutorial program. This Tutorial will introduce students to his ideas through review and discussion of each chapter, augmented with (out of class) viewing of the accompanying film versions of each chapter available on the internet. The objective of each class will be to assure an understanding of his ideas prior to exploring their relevance to, and ramifications for, our lives today and students' lives in the future.

Out of the Mouths of Babes

Holly Storkel, Speech-Language-Hearing: Sciences and Disorders

HNRS 190 # 42139

1:00-1:50PM M

3048 DHDC

Children have an amazing ability to learn language. By 8-10 months, the baby's babbling approximates the adult speech sounds of the native language. By 12 months, infants produce their first word. From this entree into word learning, vocabulary growth rapidly accelerates from learning 1-2 words per day in infants and toddlers to learning 3-4 words per day in preschool children to learning 6-12 words per day in school-age children. In this tutorial, we will examine how infants and young children are able to rapidly learn and accurately store the sounds and words of their native language. Typical research methods used to investigate language acquisition will be highlighted through reading and critiquing research articles. Students will have an opportunity to explore other aspects of child development and language acquisition (e.g., cognitive development, social development, grammar acquisition, impaired language acquisition) through individual papers/presentations.

Understanding Climate Change:

Bryan Young, Civil Engineering, Honors Program

HNRS 190 # 45247

1:30-2:45PM M

102 NUN

Global climate change has become a pervasive topic of discussion and debate. This tutorial will study and evaluate the issues relating to climate change from multiple critical perspectives. In brief, we will tackle two main questions: What do we know? How do we know it? These questions will be applied to a variety of academic disciplines that are involved in research on climate change and its potential effects at global, regional, and local scales. We will cover the science, politics, economics, technology, and the cultural phenomenon of climate change.

The Fall of the Roman Republic**Anthony Silvestri, History****HNRS 190 # 45257****1:30-3:00PM T****108 NUN**

this class will meet until Thanksgiving break

This tutorial centers on the history of Rome from 134 - 31 BCE. Through lecture, discussion, close reading of primary sources and writing students will explore the roles played by the Senate, by the Roman army, and by individual Romans in the tumultuous transformation of the Roman state from Republic to Principate. Included in the course is an extended simulation of the Roman Senate in the days following the assassination of Caesar.

Reading the American HomePlace**Bill Carswell, KU School of Architecture****HNRS 190 # 45256****2:00 – 5:00 PM R****101 NUN**

American residential architecture often symbolizes the deeply cultural theme of The American Dream (self-reliant, home-ownership). For generations this 'dream' has been re-interpreted in the context of a changing American culture. The physical architectural form of the homeplace at each period has reflected these cultural shifts, such as in the 1950s "Suburban Ranch House" or the 1990s "McMansion".

This seminar will examine the roots and the evolution of the design of the American homeplace as a cultural artifact of architecture up to the present time. The class will include architectural, cultural and popular-media readings for discussion, case-study examples of homeplace designs, a site-visit to a designed homeplace, and a design-research component.

No prior architecture knowledge is required. Class begins October 29th and ends December 10th.

The Meaning of Things: Math, Music, and Magic**Perry Alexander, Electrical Engineering and Computer Science****HNRS 190 # 42175****4:00- 4:50 PM R****102 NUN**

The tutorial will introduce students to defining the semantics, or meaning, of various languages ranging from computer languages to music. We will read Douglas Hofstader's Pulitzer winning book *Gödel, Escher, Bach* and discuss various techniques for defining semantics. For their final project, students will develop semantics for a simple language.

KU Lives: Scholars, Icons, and Naysayers in the History of the University of Kansas**Bill Crowe, Libraries****HNRS 190 # 42145****2:30– 3:25PM R****327 SRL**

We will explore the lives of selected women and men who preceded us on Mount Oread over the past 140 years—faculty, staff, and students from diverse backgrounds. We will

seek to understand their roles in the evolution of scholarship in various disciplines and/or how their lives affected KU or society in some distinctive way. There is much in the popular culture that speaks to the study of the lives of others, e.g., the “Biography Channel” on television and “tell-all” books that focus on prominent people in public life—in entertainment, politics, and business. Prospective participants may wish to read “Lives of Others,” by Louis Menard, which appears in *The New Yorker*, August 6, 2007 issue, because of its good overview of the current scene. (This is a review of Nigel Hamilton’s new book, *Biography: a brief history* [Cambridge, MS: Harvard University Press, 2007]. In the tutorial, we will learn how to conduct biographical research, with special emphasis on how to use institutional archives and find and evaluate relevant electronic and print secondary literature. You will present findings on one KU-related person, in the manner of an academic seminar. You are expected actively to contribute to discussion in a significant way, turn in any assignment on time, and demonstrate thorough engagement with the class and the material.

Glaciology and Climate

Leigh A. Stearns, Department of Geology

HNRS 190 # 45246

3:00-4:00PM MW

108 NUN

8 week course, STARTS Sept. 20, 2009

Glaciers are among the best indicators of sustained changes in climate, such as atmospheric warming or an increase (or decrease) in snowfall. Changes in glacier geometry (length and thickness) lag behind climate changes by only a few years on many tropical glaciers. Until recently, common glaciological thinking was that large glaciers and ice sheets respond slowly (centuries to millennia) to climate changes. But, rapid changes in glacier geometry and now in several regions of Greenland and Antarctica have challenged the conventional thinking. In this class we will review the basics of ice sheet (and glacier) evolution in different climate regimes, and then focus on the changes that are taking place in Greenland, Antarctica, and various mountain glaciers.

Whose Art Is It? Art Theft and Cultural Patrimony in Europe, 1816-1945

Sarah Crawford-Parker, Honors Program

HNRS 190 # 42143

3:00-4:30PM T

102 NUN

Art museums and private collectors have increasingly been faced with a myriad of ethical issues concerning art objects that were at one time stolen or acquired by other questionable means. This tutorial will examine the complex issues concerning the fate of art objects that were either removed from Africa during the colonial period or were confiscated and sold by Nazi officials during or after World War II. Our research inquiry will focus on the historical development of protections for cultural property, as well as the challenges we currently face in understanding who has the right to own and display cultural objects. Students will experience works of art first-hand through museum visits and will enhance their research skills through library visits. For the final project, students will research a work of art of their own choosing, and the completion of the project will include a creative component.

This tutorial will meet August 25th-October 20th and on November 17th.

Discovering Species: Methods and Topics in Modern Biodiversity Exploration

Andrew Short

HNRS 190 # 45248

3:00-3:50PM W

102 NUN

How many species are on Earth? The embarrassing answer to this seemingly simple question is that we have no idea, not even to the nearest order of magnitude. What we do know is that thousands of new species are found and described each year, and even conservative estimates suggest several million more are waiting to be found. This course will provide an overview of methods in biodiversity exploration and discovery from conducting fieldwork in remote jungles to the process of describing and naming new species. We will also discuss emerging topics such as “DNA barcoding” and predictive modeling as well as how biodiversity sciences intersect with conservation and public policy. Students will also tour KU’s vast biological collections that contain millions of animal and plant specimens from all over the world.

Sustainability and the Built Environment: Focus on Campus

Stacey Swearingen White (Urban Planning) and Marie Alice L’Heureux (Architecture)

HNRS 190 # 45249

3:00-5:00PM M

106 MAR

first 8 weeks of the semester.

“Sustainability” has become an organizing principle and focus for many disciplines and professions. Understanding how our built environment can be environmentally, economically and socially responsible is a key challenge of our times. This tutorial will examine the recent efforts of colleges and universities to pursue sustainability with respect to their buildings, transportation systems, dining services, waste management practices, and so on. Students will analyze sustainability initiatives on the KU campus, and will conduct final research projects related to a campus sustainability topic of their choosing.

Heritage Crusades and Culture Wars

Nancy Mahaney, Spencer Museum of Art

HNRS 190 # 45254

3:00-5:00PM T

FOYR SMA

The public role of museums has changed dramatically over the years. How are exhibition topics identified and how do museums contribute to our sense of personal and collective identity? This tutorial will examine the public role of museums through the critical examination of museum exhibitions and works of art. Readings and discussions will focus on debates over cultural heritage that have played out in museum contexts in recent years.

(This course will meet in the concentrated fashion in the last half of the semester Initial meeting – beginning of the semester , second meeting – 3rd week of September - then weekly after the 3rd week of October)

Literature, Art, History and the Search for Meaning

Jeffery B. Weinberg, Office of the Chancellor

HNRS 190 # 45261

3:30-4:45PM W

230F Strong

This tutorial will contain two elements, the first being Africa (Joseph Conrad, Langston Hughes and Chinua Achebe), and War and Death (Rupert Brooke, Wilfred Owen, Sigfried Sassoon and Ernest Hemingway).

The second element, History and Mystery, will involve the class in on-going research on two controversial topics: the authorship of the works of Shakespeare, and the subject of the portrait, "Lady in Fancy Dress" by Marcus Gheeraerts the Younger.

Students will write one page essays based upon selected works of poetry, with discussion following in class. Following one classroom session at the Spencer Research Library and one session at the Spencer Museum of Art, the students will engage in a semester research project that will focus on a work in the Museum of Art.

Ekphrasis and the Interrelations of the Liberal and Fine Arts

Ted Johnson, French & Italian

HNRS 190 # 42171

3:30- 4:50PM R

FOYR SMA

Through the close analysis of certain buildings on Mount Oread, the casts of Greek and Roman statues in the Wilcox collection of Lippincott, paintings, sculptures, other objects in the Spencer Museum of Art and certain rare books in the Spencer Research Library, the tutorial strives through ekphrasis (a Greek term meaning to pull a phrase out of a work of art) to articulate, along the lines of the traditional seven Liberal Arts since Classical Antiquity – the trivium with Grammar, Rhetoric, and Dialectic and the quadrivium with Geometry, Arithmetic, Music, and Astronomy – philosophical conceptions of composition in a variety of works of art. One short paper and an oral presentation on a representative work.

Civic Engagement: Developing community connections for change

Diana Carlin, Communication Studies

HNRS 190 # 45250

4:00-5:00PM W

102 NUN

The course will examine the means by which individuals can become involved in the life of their communities through civic engagement--a process to improve the life of communities through both political and non-political activities. The course will explore the definitions of civic engagement and community and will take a broad look at what constitutes a community from being a resident of a floor in a residence hall to being a member of a global community. The course will meet occasionally at the Dole Institute of politics to hear former Kansas City Mayor Kay Barnes and speakers she brings to campus who discuss civic engagement in urban America. Projects will involve development of personal plans for becoming involved at KU and beyond as well as contributing to campus civic engagement activities.

So you Want to be a Writer, huh?

Mary Klayder, English

HNRS 190 # 42167

4:00-5:15PM W

KS Union

Alcove(TBA)

You find yourself jotting down notes on restaurant receipts or napkins. You have a notebook or a stash of notecards or a blog filled with ideas. Your Facebook buddies can't keep up with your insights into human nature. You keep a running narrative, complete with eccentric characters going in your head all the time. You wake up in the middle of the night or you haven't gone to sleep in the middle of the night and you are brilliant! Or you just keep watching the world and you want to say something about it. Here's your chance to enjoy doing what you already do, learn how to give your ponderings form, and, at the same time, experience the literary world of Lawrence and KU. We will explore three genres of creative writing: fiction, poetry, and nonfiction, particularly the essay and memoir. At the beginning of each section, we will read contemporary samples of the genre we intend to explore. In addition, we will meet with the professional creative writing faculty at K.U. and learn how creative writing serves as their academic commitment. We will also meet with writers visiting the campus, some former students who have gone on to successful writing careers and other writers who come to campus to supplement our own MFA program. Each student will experiment with all three genres and participate in workshops. The final project will be a small portfolio containing the edited work from the semester and a writer's journal. At the end of the course, we will hold our own literary reading highlighting student portfolios.

Ecologies of Information

Tyra Grant, Libraries

HNRS 190 # 42161

4:00-5:20PM M

102 NUN

Information (whether embedded in or expressed through language, genetic code, geologic strata, bits or systems) plays a critically complex role in our lives and futures. Understanding information provides a unique perspective or way of seeing and understanding ourselves and the world. This course will introduce and explore a broad range of ways information is manifested in our world; how it functions and survives; is managed, controlled, used or abused. We will examine information as it exists in natural as well as man-made systems (for example: genetic, geologic, generational, language, written, spoken or otherwise recorded or transmitted information including analog and digital). We will incorporate historical, contemporaneous and future perspectives on this subject, focusing particularly on information survival and loss and how these impact our lives, the planet and our shared futures.

The Rise, Fall, and Schlockification of America

Dave Besson, Physics and Astronomy

HNRS 190 # 42151

5:00-6:00PM M

1089 MAL

Although the pre-eminent world leader five decades ago, the US today ranks 29th in the world in life expectancy (with an average life expectancy exceeding Cuba's by 11 months), a national obesity rate 25 per cent higher than the next country on this dubious

list, and facing 363 billion dollar, and 89 billion dollar debts to China and Saudi Arabia, respectively.

In this tutorial, we'll consider the evolution of the US in the last half-century, the collapse of the economy in the last year as China and India have surged, and also address the question of whether the perceived political decline of the US has similarly been accompanied by a waning of the cultural and artistic innovation which has characterized America in the past.

Management: Creation, Craft, Career

Jordan Yochim, Natural History Museum

HNRS 190 # 45282

11:00 -11:50AM T

106 SP

Aside from the basic functions of life, management is the most widely practiced human activity and one of the most misunderstood. In this tutorial we'll examine what it means to "manage", how management is practiced informally and formally, and various theories of managing. Each student will have the opportunity to craft and put into practice his or her own managerial philosophy. Topics to be explored will include dissatisfaction and dream, the meaning and uses of time, perceptions of current and future realities, cooperation and organization, empathy and leadership.

A Sense of Place

Mary Emily Kitterman, English

HNRS 190 # 45308

1:00-3:00PM W

101 NUN

Every other week, *beginning September 9* (Sept. 9 and 23; Oct. 7 and 21; November 4 and 18; Dec. 2).

Memories of the past depend on deep associations with specific times and places. This seminar studies three literary works that explore the manner in which one's identity is related to a sense of place that includes time and locale as well as the people unique to the setting. In Willa Cather's *My Antonia* (1918), the Nebraska prairies frame the story of an immigrant settler, Antonia Shimerada. Ellen Glasgow's *The Sheltered Life* (1932) focuses on Virginia aristocrats, just after the turn of the century, who look back to the romance of the 1890s and ahead to the industrial changes of the twentieth century. The third work, Azar Nafisi's *Reading Lolita in Tehran* (2003), is a memoir describing the author's experiences as a literature professor in Iran during the period from 1978-1997. The writing project for the seminar will explore the manner in which a sense of place informs both major works of literature and one's personal identity. Plans under development include a field trip to Red Cloud, NE, where the Cather Foundation has preserved major sites associated with her work.