

Freshman Seminars, Fall 2016

A Just Machine

Class# 23056

Instructor: Alexander, Perry T, 4:00-5:15 PM (10 class sessions)

Seminar Description: Would you believe that programs existed long before mechanical computers? That the original computers were people? Do you know who invented the computer or the concept of a program? A Just Machine will examine these and other topics by looking at the history of computing that predates mechanical computers. We will look at how David Hilbert's challenge problems, Goedel's proof, and Turing's mathematical machine contributed to the search for A Just Machine that could solve all our hardest problems. We will see their failures, their successes, and how both contributed equally to the industrialization of information. We will see how language and computing are intimately tied in the work of Chompsky and the work of British codebreakers during a world war. Computing defines this generation. Why not take a closer look at its surprising origins? No mathematical or computing experience required!

Who would most benefit from this seminar: Students interested in mathematics, computing, languages, history, and logic will all benefit from this material. The course is taught in a way that is accessible to any student regardless of computing or mathematical background.

Stop, Hey, What's That Sound? A Music Appreciation Class

Class# 23053

Instructor: Allen, Brad T, 11:00-11:50 AM (15 class sessions)

Seminar Description: The objective of the seminar is to dig a little bit deeper into why we like the music we like, hate what we hate, or somehow remain passively indifferent. Readings will concentrate on different ways to listen to and think about music. The seminar is intended to be discussion driven, so if you want to talk about music and what it means (or doesn't mean) to you, this class is for you.

Who would most benefit from this seminar: Anyone interested in reading and discussing music and the profound affect it has on us would benefit from this seminar.

Seeing the invisible: inferring particle physics

Class# 22966

Instructor: Baringer, Philip T, 1:00-2:15 PM (10 class sessions)

Seminar Description: No one has ever seen an electron or a quark, but it is quite useful to assume they exist. In this seminar we'll explore the experimental foundations of subatomic physics and how theories interact with observations. How, for example, did people come to believe in the existence of neutrinos – invisible particles that rarely interact with matter? What makes us think that dark matter, which has never been directly observed, makes up 90% of the matter in the universe?

Who would most benefit from this seminar: Anyone!

Chemistry Behind the Nanotech (R)evolution: The Good, The Bad, and The Ugly

Class# 23000

Instructor: Barybin, Misha F, 2:00-2:50 PM (15 class sessions)

Seminar Description: One of the far-reaching scientific achievements of the past century was the birth of what we today call Nanotechnology. Nanotechnology as a field embraces two distinct yet synergistic branches: nanoscale materials and molecular nanotechnology. Technology of nanoscale materials involves preparation and applications of materials with particle sizes below 100 nanometers. Molecular Nanotechnology relies on "bottom-up" design and assembly of functional materials from individual molecules. The students enrolled in this seminar will consider the critical role of Chemistry in the nanotechnological progress relevant to biomedical (e.g., drug delivery and diagnostic imaging), solar energy, functional materials, and nanoelectronics fields. They will reflect not only on the new

fundamental scientific horizons, but also on any likely societal, environmental, and ethical implications of the changes to be brought about by the emerging transformative discoveries. Introduction of various majors relevant to chemistry careers, especially in an interdisciplinary setting, will be integrated in the course as well.

Who would most benefit from this seminar: The seminar should be of particular benefit to freshmen considering Chemistry, Biology, Chemical Engineering, Environmental Studies, Pre-Med, and Pre-Pharmacy Programs at KU.

Introduction to Adaptive Leadership**Class# 30268****Instructor: Beeson, Jessica** W, 10:00-10:50 AM (15 class sessions)

Seminar Description: The foundation of the adaptive leadership model is based on the premise that leadership is a process not a position. We are given opportunities to practice leadership every day when faced with challenges that resist easy solutions. In this course we will dig into the four core competencies of adaptive leadership as defined by Ronald Heifetz and Marty Linsky. These competencies provide a framework for tackling complex issues by shifting our focus from finding solutions (that often only act as band-aids) to energizing yourself and others to make intentional and lasting progress. When we practice adaptive leadership, we are forced to critically analyze our own value systems, beliefs and interpretations. It is difficult and exceptionally rewarding work.

Who would most benefit from this seminar: It's good for everyone!! It will serve especially well anyone thinking about going into politics or non-profit work. Also anyone interested in doing social justice work--like forming grassroots movements to create change in their community.

Flying in the face of reason**Class# 22970****Instructor: Besson, David** R, 3:00-3:50 PM (15 class sessions)

Seminar Description: In this election year of 2016, we will consider why there has been stagnation on issues such as global warming, race relations and the reluctance of the American populace to fully embrace the LGBTQ+ community, whether there is, indeed, "forward progress" of our civilization, and ultimately, whether short-term self-interest always 'trumps' the longer-term and more forward-looking common good. Grading based on weekly, 3-4 page written essays, with equal weight placed on active contribution to weekly in-class discussion.

Who would most benefit from this seminar: Students who are politically informed, and have well-thought out views on US and international politics and social issues, and are able to articulate their viewpoints. Particularly well-suited for students who have experience in high school debate.

Ethical Decision-Making in the Chemical Industries**Class# 23049****Instructor: Camarda, Kyle** M, 2:00-2:50 PM (15 class sessions)

Seminar Description: This seminar will discuss the ethical decisions made by many companies in the chemical industry, in terms of future impacts, safety, and the role that various employees have in those decisions.

Who would most benefit from this seminar: Any student interested in how large organizations make decisions about safety, product portfolios, and production technology.

Gaffes, Tweets, Town Halls and More: The Great and Not So Great of US Presidential Debates**Class# 30269****Instructor: Carlin, Diana** R, 2:30-3:45 PM (10 class sessions)

Seminar Description: For the 11th consecutive and the 12th overall U.S. presidential election cycle, general election debates will take place. The quadrennial war of words (and facial expressions, pivots, and split screens) has its origins in early American history. Debates in the television era beginning in 1960 have created an opportunity for voters to view and compare the candidates side by side. This seminar looks at the history of presidential debates, the research on their impact and techniques, and

the 2016 debates in a social media age with viewers as consumers, researchers, and journalists. After the election the class will take a brief look at how US debate traditions have influenced world democracies. Led by a long-time debate researcher and former advisory board member of the debate sponsor, the Commission on Presidential Debates, this seminar uses the 2016 debates and what is written and said about them as the primary "textbook" to better understand what goes on behind the scenes and at the events. For first-time voters, the debates can be one of the most valuable tools for gaining information on the candidates' issue positions and leadership characteristics. Through watching and discussing with others, class members will come to better understand their own perspectives as well as those of others. Students will have an opportunity to lead focus groups after one of the debates as part of the national DebateWatch project and will learn basic research techniques to analyze citizen talk about politics and how it affects their lives. The course provides an opportunity to improve critical thinking, research, written and oral communication skills and to learn how to have a civil discussion on volatile issues that respects differing opinions--in other words, how to disagree without being disagreeable. Activities and assignments include a short blog-like reactions to a debate or a candidate, focus group leadership, a group project to analyze the focus group data, and a final short paper summarizing how the debates affected their views of the candidates.

Who would most benefit from this seminar: Any student who is interested in knowing more about the way electoral politics works, political "junkies," media studies students, and students of American history.

Mr. Spock and Mad Max: Race and Gender in Science Fiction and Fantasy **Class# 23028**
Instructor: Casavant, Michele W, 2:00-2:50 PM (15 class sessions)

Seminar Description: Through examining science fiction and fantasy this course will help you become more critically aware of the society and culture in which you live. Through analyzing popular culture, such as film and television, you will gain a better understanding of certain ideologies and beliefs that are experienced and expressed by many Americans. We will also explore different types of cultural theory, which will aid in our analysis and our critical approach to culture. In addition, this course will help you understand how our American identities are dependent on many interconnecting forces, such as race, gender, class, sexual orientation, and others.

Who would most benefit from this seminar: This course would benefit anyone who has an interest in learning more about cultural theory, popular culture, science fiction, or fantasy.

Using Data to Understand How People Respond to Incentives **Class# 23048**
Instructor: Chauvin, Keith T, 3:00-3:50 PM (15 class sessions)

Seminar Description: To be an effective leader in business requires an understanding how people respond to incentives and the ability to anticipate the effects of incentives on the behavior of customers, employees, investors and others. This seminar examines the explanation provided by economics about how people respond to incentives and we will test this explanation by looking at data from both controlled experiments and the real world. The focus will be on using data to test hypotheses and derive knowledge about this aspect of human behavior.

Who would most benefit from this seminar: Business majors and students interested in economics and psychology.

American Idol: Legacy, Leadership, & Collections **Class# 23025**
Instructor: Coleman, Audrey M, 8:30-9:20 AM (15 class sessions)

Seminar Description: A proud native Kansan, Bob Dole served the state of Kansas in the U.S. Congress from 1961-1996, and to date is the longest serving Senate Republican Leader in U.S. History. His career is documented in the Dole Archives at the Dole Institute of Politics. Using the collections of the Dole Archives, we'll explore Dole's broad legacy as it relates to contemporary politics and culture, Dole Institute programs, other area collecting institutions at KU and beyond, as well as each student's own academic interest.

Who would most benefit from this seminar: Any/all! Undecided students, students interested in government/public service, civic engagement, American studies, history and humanities, and/or education, museum and library careers.

Violence & Cocaine Capitalisms: Understanding the Commodification of Social Life

Class# 30195

Instructor: Dean, Bartholomew M, 1:00-1:50 PM (15 class sessions)

Seminar Description: The annual trade in illegal drugs is worth well over \$350 billion. At the heart of it is cocaine. Relying on an ethnographic optic for the study of the social trauma and the disruptive “shadow economies” associated with the global cocaine industries, the aim of this seminar is to provide students with an anthropological overview of the violent, disruptive forces underpinning modernity and the commodification of social life. A primary goal of the seminar is for students to achieve a detailed knowledge of the ethnohistorical and contemporary issues surrounding coca, particularly how it was transformed from a sacred South American plant into a socially volatile global commodity. Specific emphasis will be devoted to case studies drawn from throughout the Americas, with a particular focus on the Andean Nations, Mexico, the United States, and the failed “War on Drugs.”

Who would most benefit from this seminar: This seminar is ideal for those interested in Socio-cultural Anthropology; Latin American Studies; human rights; political economy; globalization; peace and conflict; social justice; and international relations.

Bread, Bathrooms and Boodies: The Choices we have, the Ones we Make **Class# 22963**

Instructor: Dotter, Anne T, 4:00-4:50 PM (15 class sessions)

Seminar Description: Freedom is recognized as a defining characteristic of the United States and an enviable value, both by individuals in the United States and around the Globe. But do all Americans have equal freedom of choice? This seminar will primarily concern itself with our freedom (or lack thereof?) to choose in realms as pedestrian as the foods we eat, the bathrooms, the tee-shirt we wear or our partners either for a conversation, a night, or a more sustained relationship.

Who would most benefit from this seminar: All Honors students welcome! Regardless of background, major, identities, you will benefit from contemplating the choice you had in selecting this seminar.

How Does The Tax Law Suggest What We Think Is Important?

Class# 30271

Instructor: Ford, Allen T, 4:00-4:50 PM (15 class sessions)

Seminar Description: Although students will have an opportunity to learn selected technical tax material, the major focus will be on the policy implications of our tax law. Congress uses the tax law to encourage or discourage certain behavior in addition to generating revenue for the government. Normally, the tax law reflects what we consider to be important activities. For example, students will quickly see that our tax law suggests that home ownership, saving for retirement, economic development, charitable giving are very important.

Who would most benefit from this seminar: This class should appeal to almost all KU students unless they absolutely abhor the idea of thinking about taxes.

Foreign-Language Hacking – How and Why You Should

Class# 23032

Instructor: Greenberg, Marc T, 2:30-3:45 PM (10 class sessions)

Seminar Description: This course introduces you to KU’s remarkable range of foreign-language-learning opportunities and provides not just a sampling of some of its 40 languages (this year you will have lessons in Haitian Creole, Hebrew, Hindi, Polish, and Turkish), but also gives you context for how language and cultural knowledge enrich your life and your career. We will explore strategies for fun and efficient language acquisition (brain-hacking!) as well as understand how learning one language can help

you more easily acquire further ones. And the skills you will learn are transferable to other learning tasks that you will need during your college education.

Who would most benefit from this seminar: Any student who recognizes that s/e will work in a global context where language and cultural knowledge are becoming essential.

Who Lives, Who Dies, Who Tells Your Story: A critical examination of marginalized identities and voices in pop culture and society **Class# 30673**
Instructor: Gullickson, Emily W, 3:00-3:50 PM (15 class sessions)

Seminar Description: This course will take an interdisciplinary approach to examine pop culture and societal issues through social justice frameworks. Together we will explore the power dynamics and systems of oppression within American society, with a strong emphasis on the representation of marginalized identities and voices.

Who would most benefit from this seminar: Students that are interested in topics concerning diversity, social justice, marginalized identities and voices, pop culture, current issues and of course, Hamilton the musical.

Reading Performance as Culture **Class# 30643**
Instructor: Hayes, Michelle W, 4:00-4:50 PM (15 class sessions)

Seminar Description: Performance space is never empty. Bare, yes; open, yes; but never empty. It is always the site of physical, social and psychic forces in society." Novelist and postcolonial theorist Ngugi wa Thiong'o reflects on the ways in which performance is both shaped by culture and informs cultures in a never ending dialogue. Through a selection of readings reaching across disciplinary boundaries, viewing three live performances outside of class, video and class discussion, this course will explore the constructions of normative, idealized and exceptional bodies in performance across the categories of race, class, sexuality, gender, region, ability, age, and more. Writing assignments will include reflection essays on the readings as well as a final description and contextualization essay on a performance of your choice.

Who would most benefit from this seminar: All students welcome: you do not need to know anything about dance!

Eco-Fueled: energy law, social entrepreneurship, and environmental technology **Class# 22999**
Instructor: Healy, Ed W, 3:00-3:50 PM (15 class sessions)

Seminar Description: In a short time, human species have transformed the earth in an unparalleled way. Through population growth, natural resources, technology and commerce, we have affected the ecosystems in which we reside. This course analyses the environmental changes occurring, the human factors affecting the earth's ecosystems, the legal framework affecting environmental issues, existing and emerging technology, and the economic and political pressures that shape environmental policy.

Who would most benefit from this seminar: Students interested in challenging their critical thinking and writing skills, learning more about inter-disciplinary careers, environmentalism, law, social utility, business and technology, and students who want to explore different fields of study.

Water, Energy, Agriculture, Environment and Public Policy-Opportunities and Tradeoffs **Class# 23052**
Instructor: Hill, Mary R, 1:00-1:50 PM (15 class sessions)

Seminar Description: This interdisciplinary Freshman Honors seminar aims to strengthen the student's knowledge base about the relationship between water supply and demand, global energy systems, agricultural productivity, impact on the environment, and public policy. This course provides a basic introduction to how water, energy, food, and environmental policy is motivated, designed and implemented in the U.S, including identification of the major players.

Who would most benefit from this seminar: Students who have ever wondered where the water from the tap, electricity activated by the wall switch, and the food at the grocery store comes from.

Violence in America

Class# 23003

Instructor: Hoeflich, Michael W, 9:00-9:50 AM (15 class sessions)

Seminar Description: We will look at the phenomenon of violence in America from colonial times to the present. We will look at political violence and private violence. We will consider legal regulation of violence as well as legal constraints on gun ownership. We will also look at violence as a tool for social and political change.

Who would most benefit from this seminar: I would hope that this will appeal to a diverse group of freshmen

The Chemist's War - Chemical Weapons in World War I and Beyond

Class# 23026

Instructor: Jackson, Tim M, 3:00-3:50 PM (15 class sessions)

Seminar Description: Although chemical compounds have seen use as weapons for thousands of years, World War I (WWI) marked the first use of modern scientific principles to develop and employ chemical weapons, with devastating results. In this seminar, we will discuss the chemistry, and the chemists, that contributed to "The Chemist's War". Through discussions and assigned readings this course will examine the development and use of chemical weapons in WWI, WWII, and various conflicts of the late 20th century (e.g. the Iran-Iraq war and the more recent conflict in Syria). The course will also draw from the biochemical literature to explore the physiological basis for chemical weapon's mode of action. Also discussed will be current efforts aimed at developing new science and technology to deal with stockpiles of chemical weapons.

Who would most benefit from this seminar: This seminar would be most appropriate for students from STEM fields (particularly chemistry, chemical engineering, and biochemistry). Students interested in 20th century history would also benefit from this course.

Individual Privacy and Collective Security

Class# 23023

Instructor: Johnson, Mark W, 8:00-9:15 AM (10 class sessions)

Seminar Description: With improvements in privacy technology, our electronic devices have increasingly stronger protections for the information they contain. Much of that information is private and we wish it remain so. However, given the threats to our nation's security, from both internal and external enemies, there is a concern among law enforcement that these improvements in privacy technology are allowing our enemies to shield valuable information. The Director of the FBI has expressed deep concern about sources of needed information "going dark" because of security and encryption technology. Indeed, the recent disputes about access to information in Apple iPhones illustrate the compelling arguments mustered by both sides of these disputes. This course will examine the dilemma we face in maintaining individual privacy while fostering collective security, and we will try to answer a deceptively simple question: "Can we have both privacy and security, or are they mutually exclusive?"

Who would most benefit from this seminar: Anyone interested in privacy, free expression, information storage and retrieval, electronic surveillance, or national security should find this seminar interesting

So You Want to be a Writer, Huh?

Class# 22969

Instructor: Klayder, Mary W, 4:30-5:20 PM (15 class sessions)

Seminar Description: So You Want to be a Writer, Huh? will be celebrating its 20th anniversary next fall. The seminar introduces students to three creative writing genres - fiction, poetry, and nonfiction - as well as to the creative writing community at KU and in Lawrence. Students will read and write in all three genres, engage in workshops, and complete a full portfolio by the end of the semester.

The course will end with a celebratory reading involving current students and alums from the past twenty years.

Who would most benefit from this seminar: Anyone who has an interest in reading or writing. The students do not need to be English majors but they should want to explore different forms of creative writing.

The Pacific Pivot: What we need to know to be successful today. **Class# 30384**
Instructor: Moos / Karney, Felix / Dennis M, 3:00-4:15 PM (10 class sessions)

Seminar Description: Businesswise, how can anyone argue with a Pacific Pivot? East and South Asia combined contain three of the four largest countries population wise; three of the 9 largest economies; and a middle class currently twice the size of the American population that is expected to triple in size in the next 5 years. Add to that, that historically the middle class is the engine of economic growth and American business would be foolish not to be trying to do business there, a lot of business there frankly. But are we ready to do business in this area of the world where relationships, not contracts, are the secret to success? Where memories run long and the past is not easily forgotten? Where the opium and boxer rebellion are as fresh in some peoples' minds as Pearl Harbor and 9/11 are in ours? Where Hinduism meets Confucius and Islam? Where Shintoism meets Christianity? It is a much different world and it is the world we seek to explore and better understand in this seminar; its history, its people, its traditions, its cultures and its ways of doing business.

Who would most benefit from this seminar: Students who seek to learn and appreciate what history and personal experience has to offer.

Baseball, a Mirror of Society **Class# 30642**
Instructor: Mulinazzi, Tom M, 4:00-4:50 PM (15 class sessions)

Seminar Description: A look at racism, greed, unionization, and ethics in baseball over time through literature and film.

Who would most benefit from this seminar: A young woman or man interested in the game of baseball and its reflection of society.

The Meaning of Educational Merit **Class# 23050**
Instructor: Neiss, Charles R, 1:00-2:15 PM (10 class sessions)

Seminar Description: Drawing from current examples of how educational merit is earned and measured, students will critically examine and analyze how American higher education decides who to admit to its most elite institutions. Also, the democratic purpose of public education will be explored through case studies and research texts.

Who would most benefit from this seminar: Any student interested in education and the social sciences will benefit from this seminar as it focuses on educational, sociological, psychological, and political topics and research methods.

Writing the Self **Class# 22965**
Instructor: Owens, Lesley W, 11:00-11:50 AM (15 class sessions)

Seminar Description: From Michel de Montaigne in the 16th century to Roxane Gay today, writers have explored and redefined their selves through nonfiction essays. This class will take you on a quick tour of the history of the personal essay. You'll practice writing short essays and vignettes, provide feedback on your classmates' work, and better define your experience and identities through the written word. The class will culminate in a longer essay and a class reading at the Freshman Symposium.

Who would most benefit from this seminar: Anyone who values flexibility, curiosity, and the importance of understanding themselves better, regardless of major.

Education and Societal Issues**Class# 25123****Instructor: Patel, Ujash**

W, 8:00-8:50 AM (15 class sessions)

Seminar Description: This class will broadly survey a selection of policy topics including wealth inequality, social mobility, and educational disparities across society. Students will be vigorously challenged to think and write critically, and to express and defend their viewpoints through essay assignments, classroom discussion, and quantitative policy research. A heavy emphasis is placed on research methods, data analysis, and the utilization of contemporary non-fiction works on politics, economics, and philosophy.

Who would most benefit from this seminar: Political science, pre-law, economics, education, and sociology students may all be interested in the content of the course. All students would benefit from the emphasis on critical thinking and writing throughout the course.

Identities and Organizations: Understanding how Social Identities Influence Organizational Functions**Class# 30230****Instructor: Portillo, Shannon**

T, 4:00-5:15 PM (10 class sessions)

Seminar Description: In recent years we have seen increased focus on how social identities, such as race, ethnicity, gender, and sexual orientation, matter when interacting with the public organizations, such as the police, the courts, and even taxing authorities. There is considerably less attention paid to how social identities matter for individuals working within public organizations. This course examines how social identities frame the work of public servants in a variety of roles, including, but not limited to, educators, government administrators, and police officers. We will examine the paradox of power – when individuals possess power based off of their official capacity with the state, but lack traditional social power associated with implicit racial, ethnic, and gender hierarchies.

Who would most benefit from this seminar: As professional work continues to diversify, all students who plan to enter the workforce after graduation would benefit from this course. We will specifically focus on the role of identities in public organizations and organizations that engage with the

Global Medicine**Class# 23007****Instructor: Rhine, Katie**

R, 1:00-2:15 PM (10 class sessions)

Seminar Description: The concept of global health refers to the ways transnational flows of people, ideas, technologies, and capital influence the emergence and spread of diseases across space and time. In this seminar, we will question how these transnational entanglements, social and economic inequalities, and (mis)understandings of “culture” shape the delivery of medical care and the experiences of suffering in diverse global contexts.

Who would most benefit from this seminar: This course would benefit students across a range of majors, including anthropology, global and international studies, and students in pre-health career tracks.

Pioneering Women in Science, Pre-1970**Class# 30259****Instructor: Roberts, Jen**

T, 1:00-2:15 PM (10 class sessions)

Seminar Description: STEM disciplines (Science, Technology, Engineering and Mathematics) offer unique experiences for students including opportunities to problem solve, experience discovery, and serve society while preparing for careers in industry, government, and academia. Despite these opportunities, STEM fields in the U.S. possess a persistent gender gap. Women, however, have made significant contributions to STEM since antiquity. In this course we will examine the contributions of a selection of pioneering female scientists--focusing prior to the 1960s--in the context of social norms, stereotypes, and cultural practices that impacted their careers.

Who would most benefit from this seminar: STEM majors as well as those in humanities or social sciences interested in issues in gender and science.

The Impact of College on Students**Class# 23006****Instructor: Roney, Marlesa**

T, 11:00-11:50 AM (15 class sessions)

Seminar Description: Most students enroll in college to achieve the important goals of improving their intellectual skills and abilities. What many students do not realize is that going to college also has a significant impact on one's overall development as a young adult, from increased self-awareness and self-confidence to fresh perspectives of the broader world in which we live. This course will explore the theories and research that explain the impact of college on students and focus on how this knowledge is created.

Who would most benefit from this seminar: All honors students who are interested in learning more about what the literature has to say about their college experience, including what to anticipate in terms of their own personal development and how to make the most of their undergraduate experience

Character and Command: Warriors, their Leadership, and their Place in History**Class# 23029****Instructor: Sampson, Bill**

R, 7:00-8:15 PM (10 class sessions)

Seminar Description: Designed to provide basic background on, and promote discussion of, the commanders at issue and their character traits: why those traits made them successful, how they hindered their success, and how they compared with those of the other commanders that we will discuss.

Who would most benefit from this seminar: The seminar's ideal audience includes students who enjoy writing and speaking and who want to improve their skills at both. Students interested in liberal arts and history, especially military history, are likely to enjoy the course. Students interested

Rock Chalk, Jayhawk: KU History, Memory and Diversity**Class# 30672****Instructor: Sartorius, Kelly**

M, 10:30-11:20 AM (15 class sessions)

Seminar Description: How does KU's past influence the present? Why are some traditions and histories remembered, and others forgotten? This seminar focuses on understanding the history of student life at KU. What struggles have students engaged in to earn their degrees at KU since it opened in 1866? Who has been welcomed (or excluded) on our campus over time, and why? What did your grandmothers and grandfathers experience at KU? How has the past created the KU of today? A public higher education institution reflects, in part, the values of its state and community, and we will research and discuss our campus to consider what the history of KU tells us about Kansas and its flagship university.

Who would most benefit from this seminar: Students interested in exploring the fields of History and American Studies, students who want to better understand the history of the state they live in, and students interested in diversity at KU.

American Health Care: Human Right, Societal Obligation or Market Commodity**Class# 23005****Instructor: Stein, Matthew**

W, 4:00-5:15 PM (10 class sessions)

Seminar Description: For those interested in a career in the health care field or simply an understanding of this peculiar American institution, this course will introduce you to the American health care system as it exists today (brief history, development and current practices). The emphasis in the class will be on scholarship, development of communication skills (written and verbal), and an analytical consideration of this complex thing we call "health care" from diverging perspectives.

Who would most benefit from this seminar: Those students interested in health care fields, American studies, and/or political science would fit the best.

Engaging Art and Society: Collectors and Museum Collections
Instructor: Straughn, Celka F, 10:00-10:50 AM (15 class sessions)

Class# 22972

Seminar Description: Japanese prints, American paintings, Bohemian glass, ancient Coptic textile fragments, and Chinese snuff bottles are just a few of the objects from around the globe acquired by Kansas City philanthropist Sallie Casey Thayer. Donated to the University of Kansas in 1917, her extensive collection forms the basis of what is today the Spencer Museum of Art. In conjunction with a centenary exhibition of her gift, this seminar will examine Mrs. Thayer's collecting practices (including where, how, and why she purchased works) and collecting motivations, in particular how her ideas of spending money are inextricably mixed with civic affairs and municipal culture. We will further explore questions of taste, consumption, gender, and patronage. Additionally, this course will study some of the objects acquired by Mrs. Thayer and consider how objects contribute to the formation of knowledge about the past, the present, and communities and cultures from different regions of the world.

Who would most benefit from this seminar: Students contemplating any major(s) and/or minor(s) are welcome to participate in this course. While the seminar introduces content and methods drawn from the humanities and humanistic social sciences, the course is not intended to be disciplinary specific

Why Volunteering Matters!
Instructor: Stroup, Kala T, 4:10-5:00 PM (15 class sessions)

Class# 23001

Seminar Description: Honors 190 - Introduction to KU, KU Honors program, Library resources, Dole Center, campus leadership and public service opportunities and community service volunteering such as Center for Community Outreach, Jayhawk Health Initiative, Alternative Breaks.

Who would most benefit from this seminar: All new honors students.

Perspectives on Laughter
Instructor: Thonus, Terese M, 9:00-9:50 AM (15 class sessions)

Class# 22964

Seminar Description: This seminar focuses on laughter as deployed in human conversation. We will study laughter critically through biological, linguistic, anthropological, and social lenses to understand that while it is often connected with humor, cross-culturally it serves a variety of different purposes. Class activities include book discussion and group poster presentations as final projects. The foundational text is Provine, P. (2001). *Laughter: A scientific investigation*. New York: Penguin. Supplementary articles and book chapters will inform poster presentations.

Who would most benefit from this seminar: Students who are interested in human conversation and interaction, whether from a biological, linguistic, anthropological, or social perspective, will benefit the most from this seminar.

Computational Mathematics and Climate Dynamics
Instructor: Van Vleck, Erik W, 3:00-3:50 PM (15 class sessions)

Class# 23004

Seminar Description: The focus of this seminar is on advances in computational mathematics and their application to understanding climate dynamics. The seminar will provide an introduction to the computational mathematics package matlab, high performance computing, and tools for numerical detection of bifurcation phenomena in which there is a major change in the state of the system. We will also introduce simple models of ocean and atmospheric dynamics and then focus on how computational mathematics tools can assist in the understanding of these models. Students in this seminar will receive an introduction to web publishing software and will use this as a medium to produce their final projects.

Who would most benefit from this seminar: Students with interests in Mathematics, Atmospheric Science, Science, and Engineering.

The Art of Street Science and Career Sculpting: Integrating and Developing Skills from Science Outreach **Class# 30276**
Instructor: Villafuerte, Lynn M, 4:30-5:20 PM (15 class sessions)

Seminar Description: This seminar informs undergraduates that adding and integrating science outreach activities are critical in career development. Students will learn to be proactive in seeking research opportunities that allows for integrating an outreach component. It is designed to promote the value of individual and collaborative science outreach that will develop and strengthen their communication skills beyond the doors of this research institution. Students will be guided through best practices for involvement in programs that adds professional skills and tools that broaden their undergraduate training to better position themselves for a science career.

Who would most benefit from this seminar: Freshman in any STEM field

Statistics: Knowledge from Data **Class# 30261**
Instructor: Young, Bryan W, 1:30-2:20 PM (15 class sessions)

Seminar Description: We live in a data-driven world. From medical science to fantasy football, data collection and analysis are of utmost importance. The class will read and discuss the book "Freakonomics", which investigates topics ranging from cheating in sumo wrestling to bagel theft using statistical techniques. Although we will learn to apply a few statistical methods, this will not be a math class. Instead, focus will be placed on the interpretation of statistical test results to derive knowledge from data.

Who would most benefit from this seminar: This seminar is cross-disciplinary and welcomes students with a broad range of interests and backgrounds. We will investigate the nature of coincidence and work to understand how to separate real and significant patterns from the quiriness of chance.