

Honors Freshmen Seminars, Fall 2017

The Search For A Just Machine

Class# 21508

Instructor: Alexander, Perry T, 04:00 - 05:15 PM (10 class sessions)

Seminar Description: A Just Machine to make big decisions, programmed by fellas' with compassion and vision, what a beautiful world it will be." Prophetic words from Donald Fagen of Steely Dan fame in 1982 describing a future, perfect world. In our tutorial 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 flawlessly solve all our hardest problems. We will see their failures, their successes, and how both contributed equally to the industrialization of information. We will examine how language and computing are intimately tied in the work of Chompsky and the work of Polish and British codebreakers during a world war. Computing defines the current generation of digital natives. 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 computing, mathematics, logic, or philosophy would be particularly well served. However, all are welcome and there is no math or computing prerequisite for the material.

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

Class# 21507

Instructor: Allen, Bradley 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.

Race, Class & Gender in Disney Films

Class# 26332

Instructor: Anatol, Giselle R, 03:00 - 04:15 PM (10 class sessions)

Seminar Description: In this course we will read several different works of literature for children, watch the corresponding Disney adaptations, and discuss them all with a rigorous analytical gaze. We will consider how these pairs of texts give their readers/viewers messages about beauty, romantic love, gender roles, family, social and economic class, and issues of difference and diversity. We will also read some contemporary scholarship to get a sense of current issues in the field of children's literature and determine how other readers and thinkers interpret the works that have been enjoyed by children for decades.

Who would most benefit from this seminar: Anyone who has ever seen a Disney movie!

Images of Mars

Class# 21438

Instructor: Baringer, Philip R, 01:00 - 02:15 PM (10 class sessions)

Seminar Description: In recent years, discussion of travel to Mars has been prominent in the news, in fiction, and at the movie theaters. This seminar will survey some fiction and non-fiction about the planet Mars. We'll discuss the science and the symbolism of Mars from the late 19th century (War of the Worlds) to the present day and explore the place of Mars in our culture.

Who would most benefit from this seminar: Students interested in science, science fiction and the red planet Mars.

Stepping Up: Becoming an Effective Leader**Class# 26950****Instructor: Barnes, Kay**

M, 11:30 - 12:45 PM (10 class sessions)

Seminar Description: This seminar will focus on a variety of approaches to becoming an effective leader including internal, interpersonal, systemic, and cultural considerations. Personality assessments, methods for dealing with conflict, and public speaking techniques will also be included. In addition, there will be a focus on the leadership styles of famous Americans, past and present, along with lively class discussions.

Who would most benefit from this seminar: Any students who recognize "being a leader" as a role they wish to assume during their lifetimes.

Chemistry Behind the Nanotech (R)evolution: The Good, The Bad, and The Ugly**Class# 21464****Instructor: Barybin, Mikhail**

M, 03:00 - 03:50 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# 24621****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.

Gender Stereotypes in the Chess World and Beyond**Class# 21504****Instructor: Camarda, Kyle**

T, 09:00 - 09:50 AM (15 class sessions)

Seminar Description: This seminar will focus on the unique gender issues which surround the world of chess, both in scholastic events and in the professional arena. We will explore how women's issues as chess players relate to diversity issues in other fields, such as math and engineering.

Who would most benefit from this seminar: Students interested in gender politics would be particularly interested, but any student who wishes to explore how gender stereotypes affect behavior in the math and science fields would find this seminar interesting.

Women Nobel Peace Prize Winners: Changing the World from the Grassroots to the World Scene **Class# 24622**

Instructor: Carlin, Diana R, 02:15 - 03:30 PM (10 class sessions)

Seminar Description: This course will examine recent women Nobel Prize winners who started as ordinary women and who went on to draw the world's attention through their activism. The path each woman took to reach the stage in Oslo, Norway and their work after receiving the Peace Prize will be explored with an emphasis on their rhetorical activities. A brief history of the Nobel Peace Prize is given to provide context. The course will include documentary films about some of the women followed by critical analyses of the films.

Who would most benefit from this seminar: The content appeals to students in women and gender studies, peace studies, communication, political science, film studies, and history.

An Uncertain Future: Where Does Science Fiction Suggest We Are Heading? **Class# 21485**

Instructor: Casavant, Michele W, 02:00 - 02:50 PM (15 class sessions)

Seminar Description: By examining science fiction this course will help you become more critically aware of the society and culture in which you live. By 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 try to answer the basic question: Where does science fiction suggest we are heading? As it creates a future world, what does it tell us about our current situation, our current cultural anxieties, and common inequities? Is a utopian world created (Star Trek), or a dystopian world created (The Terminator)? Are these worlds truly futuristic, or heavily reliant on contemporary beliefs or stereotypes?

Who would most benefit from this seminar: This course would benefit anyone who has an interest in learning more about their culture through the lens of popular culture. It is also for humans who enjoy science fiction and would like to explore how this genres speak to current cultural beliefs.

The Economics of Successful Innovations: The Role of Consumers' Choices **Class# 21503**

Instructor: Chauvin, Keith R, 03:00 - 03:50 PM (15 class sessions)

Seminar Description: Discoveries and innovations in artificial intelligence, biosciences, energy and numerous other industries are dramatically changing how we live and our quality of life. As new products and processes make their way to the market, consumers play a critical role in determining whether these innovations will displace older ways of doing things (e.g., will autonomous driving vehicles replace human drivers?). This seminar examines the explanation provided by economics about how people respond to incentives and make choices regarding how best to use their time and other resources. We will apply this understanding to examples of how consumers' choices affect the diffusion of innovations in a market economy.

Who would most benefit from this seminar: Business and Engineering majors.

It's The End of the World as We Know it: Dialogues from a 20th-century congressional archive **Class# 25903**

Instructor: Coleman, Audrey M, 03:30 - 04:20 PM (15 class sessions)

Seminar Description: Congressional Archives, like that of US Senator Bob Dole housed at the Dole Institute of Politics, are a window into the process of governing and a mirror reflecting American politics, policy, and culture. As such, they are a valuable historical resource against which we can compare our experience as

Americans today. We'll use the Dole Archives, other cultural heritage collections, and intergenerational conversation to examine politics, problems, and progress in the 20th century and discuss how – or if – they relate to our own experience. What has changed, what remains the same, and how do we move forward together?

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.

Salving Our Souls: The Anthropology of Drugs, Power, & Culture

Class# 24560

Instructor: Dean, Bartholomew M, 01:00 - 01:50 PM (15 class sessions)

Seminar Description: This seminar examines the relationship between a number of mind-altering substances and socio-cultural processes. It draws on a variety of anthropological methods and social science approaches to critically consider the socio-cultural dimensions of various substances, conventionally called “drugs.” This will include study of the consequences of globalization on patterns of drug use, policy and enforcement, as well as the social construction of drugs as a social problem. The class will study the relationship between drugs and such phenomena as poverty, mental health, inter-generational conflict, colonialism, addiction, and global capitalism. The seminar introduces the anthropology of drugs and assesses social definitions of licit and illicit drugs, conditions of their use, and the socialization of their production, circulation and consumption. Topics will include medical, psychiatric, instrumental, and recreational use of licit and illicit substances, namely heroin, cocaine, marijuana, methamphetamines, MDMA, *Ayahuasca*, ADHD drugs, SSRIs and hormonal steroids. Such substances are of special interest in so far as they constitute strategic sites for the study of the social controversy surrounding the human dimensions of drugs. The seminar will explore two primary issues: first, the ongoing “war” against drugs like cocaine, heroin and meth; second, the increasing use of prescription drugs to deal with a growing range of human emotions and psycho-social states. By juxtaposing these two topics of inquiry, the seminar examines the contradictions manifest by current drug policy, and patterns of consumption and use throughout the Americas.

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

Bread, Bathrooms and Booties: The Choices we have, the Ones we Make

Class# 21435

Instructor: Dotter, Anne T, 04:00 - 04:50 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 we use, the schools we attend, the way we present our identities, where we live on campus or where we go to bed.

Who would most benefit from this seminar: All welcome!

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

Class# 24623

Instructor: Ford, Allen M, 04:00 - 04:50 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.

Who Lives, Who Dies, Who Tells Your Story: A critical examination of marginalized identities and voices in pop culture and society **Class# 24975**

Instructor: Gullickson, Emily W, 03:00 - 03:50 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.

Mirror, mirror of society: Witchcraft through the ages **Class# 29555**

Instructor: Gullickson, Sean W, 02:00 - 02:50 PM (15 class sessions)

Seminar Description: Witchcraft is everywhere today; it is in our favorite TV shows (Game of Thrones), movies (The Blair Witch Project), books (Harry Potter) and even Broadway musicals (Wicked). But where did witchcraft come from, and how did we end up here? This course will use an interdisciplinary approach to explore the origins and evolution of witchcraft in the West from ancient civilizations to the 21st century. Along the way, we will examine the social and cultural power structures at play, the complex nature of historical witch hunts and institutions like the Spanish Inquisition, the intersection of magic and science during the Enlightenment, and the transformation of the witch from a feared figure to a romanticized stereotype to a symbol of feminism. We will seek to understand not only witchcraft, but ultimately what it can reveal about ourselves and the cultures in which we live.

Who would most benefit from this seminar: All Honors students welcome! Students of all majors and academic interests will benefit from the opportunity to make productive connections between a variety of academic approaches in their investigation of a single recurring historical phenomenon.

Eco-Fueled: energy law, social entrepreneurship, and environmental technology **Class# 21463**

Instructor: Healy, Edward W, 03:00 - 03:50 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# 21506

Instructor: Hill, Mary R, 01:00 - 01:50 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. The course builds student research initiative through homework assignments and class discussion, and builds collaborative ability through a two-day policy seminar. Specific topics covered are largely driven by student input. Guest lecturers that range from soil scientists to lawyers provide the opportunity to ask questions on a range of topics.

Who would most benefit from this seminar: Any student who has ever wondered where the water from the tap, electricity activated by the wall switch, and the food at the grocery store comes from, and how our society and political system resolves issues of scarcity and equity.

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

Class# 21484

Instructor: Jackson, Timothy M, 03:00 - 03:50 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. The course will also emphasize the role of chemical weapons in current conflicts. 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 using 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 the history of the 20th century would also benefit from this course.

Designing the 21st Century Political Campaign

Class# 21482

Instructor: Johnson, Mark W, 08:00 - 09:15 AM (10 class sessions)

Seminar Description: In this seminar, we will study political campaigns in the modern American electoral system. From creating a campaign plan to examining real-life campaigns and hearing and learning from office-holders and their campaign advisors, we will see what has to be done to win elections today. This course will examine the role of message development, candidate selection, social media, fundraising, and getting out the vote as elements of campaigns. The end product of the course will be a collaboratively-created campaign plan which a candidate could use in the 2018 election cycle.

Who would most benefit from this seminar:

Culture vs Missiles: Conflict in Northeast Asia

Class# 24725

Instructor: Karney, Dennis / Moos, Felix M, 03:00 - 04:15 PM (10 class sessions)

Seminar Description: What do we as Americans really know about this peninsula in North East Asia called Korea? United for centuries yet divided now. Culturally linked to its neighbors China and Japan through both Confucius and Daoist thought and ancient Chinese literature, yet at times, a land coveted and ruled by each. Today, a land divided at the 38th parallel; a communist north focused on nuclear bombs and missiles, a democratic south on economic development and peaceful co-existence. Further, what do we know about its neighbors, the People's Republic of China and Japan?; two rapidly changing societies who have been adversaries for centuries, one allied with the north, the other the south. Both countries have much to lose if armed missiles really are launched. And what does this mean for our country who is bound by treaty to militarily defend the Republic of Korea and Japan? How do we make sense of this all? North East Asia in general, and the Korean peninsula in particular, is a much different world today 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 addressing geopolitical issues.

Who would most benefit from this seminar: Students who seek to learn and appreciate what history tells us, what culture explains for us and what personal experience has to offer us.

So You Want to be a Writer, Huh?**Class# 21439****Instructor: Klayder, Mary** W, 04:30 - 05:20 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 Modern Civil Rights Movement**Class# 26108****Instructor: Lang, Clarence** M, 10:00 - 10:50 AM (15 class sessions)

Seminar Description: This seminar provides a narrative and interpretive overview of the Civil Rights Movement between the end of World War II (1945) and King's assassination (1968), framing these events within their national and international contexts. This course emphasizes the activities of major civil rights organizations, the obstacles they confronted, the internal conflicts they endured, the legislation that the movement helped achieve, and the impact that all of these developments had on U.S. society.

Who would most benefit from this seminar: This seminar would benefit any student interested in the Civil Rights Movement and its antecedents; African American history; U.S. race relations in the twentieth century; U.S. history; American Studies.

Baseball, A Mirror of Society**Class# 29718****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.

Self As Story: Exploring Non-Fiction & Identity**Class# 21437****Instructor: Owens, Lesley** W, 01:00 - 01:50 PM (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.

Kanye West: Remixing a Global Icon**Class# 26142****Instructor: Persley, Nicole** T, 11:00 - 12:15 PM (10 class sessions)

Seminar Description: Using an interdisciplinary approach to American Studies and Performance Studies scholarship, this course explores the multi-media work of Kanye West as a global icon. Students will investigate

the social, cultural, and political valences of Kanye's West's work as an artist, activist, reality television star, who uses multiple platforms in the arts and social media platforms to comment on the presence and absence of intersectional identities in the United States.

Who would most benefit from this seminar: Students interested in American Studies, popular culture, politics, arts and performance, sociology, cultural anthropology, Cultural Studies and social media.

Identities and Organizations: Understanding how Social Identities Influence Organizational Functions

Class# 24591

Instructor: Portillo, Shannon T, 04:00 - 05:15 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 public. The course focuses on public service and social justice.

Global Medicine

Class# 21470

Instructor: Rhine, Kathryn T, 10:00 - 10:50 AM (15 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# 24615

Instructor: Roberts, Jennifer T, 09:30 - 10:45 AM (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.

Character and Command: Warriors, their Leadership, and their Place in History **Class# 21486**
Instructor: Sampson, William R, 07:00 - 08:15 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 in leadership—in the traits and skills and goals and passions that have illuminated the great leaders over time—are very likely to enjoy it.

Rock Chalk, Jayhawk: KU History, Memory and Diversity **Class# 24974**
Instructor: Sartorius, Kelly T, 08:30 - 09:20 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# 21468**
Instructor: Stein, Matthew N W, 04:00 - 05:15 PM (10 class sessions)

Seminar Description: The class will be an introduction to the American health care system as it exists today and the constant state of change which surrounds it. We will look briefly at its history and development in transition to its current practices and its relationship to the American people of today. The emphasis in the class will be on the development of scholarship, written and verbal communication skills, and critical thinking around this complex thing we call "health care."

Who would most benefit from this seminar: For those interested in a career in the health care field or simply an understanding of this peculiar American institution.

Engaging Art and Society: Collectors and Museum Collections **Class# 21441**
Instructor: Straughn, Celka F, 10:00 - 10:50 AM (15 class sessions)

Seminar Description: Japanese prints, American paintings, Bohemian glass, ancient Coptic textile fragments, Chinese snuff bottles, ceramic doorknobs and 19th-century trade and valentine cards 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 the centenary exhibition of her gift, this seminar will examine Mrs. Thayer's collecting practices (including where, how, and why she purchased works) and 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, and is open to a number of approaches and perspectives. This course overlaps with a number of potential areas of study, including: art history; anthropology; history; sociology; gender studies; public affairs, and global and international studies.

Memory and Politics: A Brief History of How the Past Became a Political Weapon **Class# 26104**
Instructor: Tell, Dave W, 02:30 - 03:45 PM (10 class sessions)

Seminar Description: This course explains the age-old question of power and memory: who gets to say what the past meant? Public memorials are not about what happened in the past; they are about the people who hold power in the present. Why else would the American landscape—not to mention the KU campus—be dotted with memorials and monuments around every corner? If we are indeed living in a society afflicted by a “memorial mania”—as Erika Doss suggests—this mania is driven by a widely felt conviction that the past offers an unmatched source of political, cultural, and economic power.

In this course, we will explore the connections between memory and politics through a number of different case studies. Each week, we will look at the controversies that have attended the memory of specific events: the Revolution, the Civil War, Vietnam, WWI and WWII, etc. Your primary assignment will be to choose your own historical event and document (through four different assignments) the various ways in which it has been remembered.

Who would most benefit from this seminar: Anyone interested in the humanities.

Computational Mathematics and Climate Dynamics **Class# 21467**
Instructor: Van Vleck, Erik W, 01:00 - 01:50 PM (15 class sessions)

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, Engineering, Business or Economics.

Developing Skills for Science Outreach and Career Sculpting **Class# 24625**
Instructor: Villafuerte, Lynn T, 05:00 - 05:50 PM (15 class sessions)

Seminar Description: This seminar best fits undergraduates who view integrating and developing science outreach activities critical for career development. Students will learn to be proactive in seeking research opportunities that allows for integrating an outreach component. It is designed to promote individualized development planning that incorporates collaborative science outreach to develop and strengthen communication skills beyond the classrooms. 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.

Locomotive to Smartphone: Culture, Space, & Time in the Machine Age

Class# 26467

HNRS 177 – 3 credit hours

Instructor: Wood, Nathaniel

TR, 01:00 - 02:15 PM (30 class sessions)

Seminar Description: How does the introduction of new machines affect the way we understand ourselves, as well as our conceptions of space and time? Additionally, how can the historical study of this process of adaptation help us understand our current relationship with technology? This course will investigate humans' relationship with technology over the past two centuries, paying particular attention to the ways that machines such as locomotives, artificial lighting, telephones, telegraphs, watches, bicycles, automobiles, and airplanes have been constrained by historical precedent while challenging and altering our attitudes toward spatiality and temporality. By studying these and other examples from the past, students will develop and practice research skills that will help them in future college courses. Satisfies KU Core I.I. 3 CREDITS.

Who would most benefit from this seminar: This course uses a historical approach to explore issues of design, technology, and culture. Students interested in culture, gender, sustainability, engineering, and above all, history and technology will find this course useful and fun.

The Greenland Kayak

Class# 24616

Instructor: Young, C Bryan

W, 04:00 - 05:45 PM

Seminar Description: The Greenland kayak is widely regarded as a perfect marriage of form and function. Designed and constructed using available materials (wood, seal skin, and bone), these watercraft were an important part of the Inuit culture and a vital platform for hunting. Students in this seminar will study the Inuit history and culture through the KU ethnographic collections, focusing on the full-size kayak collected by Lewis Dyche in the late 1800s. We will analyze the construction, take detailed measurements, and will build a fully functional replica using modern skin-on-frame techniques.

Who would most benefit from this seminar: This seminar will work in the intersection of history, culture, materials science and engineering design. Students interested in anthropology, sustainability, 3D art, and engineering will all enjoy the experience of working hands-on in an interdisciplinary team to study and recreate a kayak that is over 100 years old.

The Parthenon in Athens: problems & solutions

Class# 26143

Instructor: Younger, John

T, 02:30 - 03:45 PM (10 class sessions)

Seminar Description: The Parthenon in Athens, Greece (449-432 BCE), is one of the most studied buildings in the world. Yet even experts don't understand it perfectly. Here is one problem that has been solved: the building wasn't a temple (no cult activity there), so what was its purpose? (to house stuff dedicated to the goddess Athena in another building). Here is a problem that has NOT been solved: the sculpted panels on the south side of the building portray scenes of Greeks fighting centaurs (half-man, half-horse) except 13 panels in the center that portray only people standing around, obviously not part of a centaur-fight; what are these panels doing there? We will first study how temples (and temple-looking buildings) were built and decorated; then we will tackle 3 major problems whose solution must depend on how such buildings were built, how many people were involved, and how much they were paid.

Who would most benefit from this seminar: The Parthenon is very old (over 2459 years), but it was built by people over a 10+ year period and therefore is not perfect (though that has been claimed). Students who like puzzles and who like understanding how things work will enjoy this seminar.