

UCLA *Fiat Lux* Freshman Seminars
Fall Quarter 2008

ART & HUMANITIES

Ancient Near East Languages and Cultures 19, Seminar 1 (Canceled)

The Jaffa Cultural Heritage Project: Researching a Forgotten Mediterranean Port

Aaron Burke

This seminar focuses on the historical exploration of the Mediterranean port of Jaffa, which is located on the coast of Israel, on the south side of modern Tel Aviv. Although best known for its biblical role as the port from which the prophet Jonah sailed, medieval and pre-modern Jaffa offers a wealth of historical and archival materials that can be analyzed for better understanding the site's historical development. This seminar focuses on directly involving students in research of the port during the early Islamic, Crusader, Late Islamic, and Ottoman periods (ca. AD 700 to 1948).

Aaron Burke teaches the Archaeology of Ancient Israel and the Levant in the department of Near Eastern Languages and Cultures. He is co-director of the *Jaffa Cultural Heritage Project* in Israel, a joint research project between UCLA and the Israel Antiquities Authority, and leads an annual archaeological expedition to the site in which his students participate. His research interests are in the Bronze and Iron Age, the ancient Near East, and cultural interconnections in the region.

Applied Linguistics and TESL 19, Seminar 1

Election Media Language and Gender

Olga Yokoyama

An introduction to key issues in gender linguistics, this seminar is an exploration of the actual language used by media with regard to male and female presidential candidates in the pre- and post-election press. Field research is used in class discussions, where it will be put in theoretical gender-linguistic perspective. Students in this seminar will focus on finding objective ways to evaluate potentially gendered elements in the language of presidential elections.

A Professor of Applied Linguistics and Teaching English as Second Language, Olga Yokoyama earned her Ph.D. in Slavic Languages at Harvard University in 1979. After teaching at Harvard from 1978-1995, she came to UCLA and has taught here since 1995. She has published over eighty publications on topics including Slavic syntax and semantics, discourse pragmatics, intonation, gender linguistics, philology, folklore, and poetics.

Architecture and Urban Design 19, Seminar 1

Mapping Ancient Rome in the 21st Century

Diane Favro

How do we study an ancient city in the 21st century? Today, early Rome is known through individual buildings (the Pantheon), or excavated urban nodes (the Roman Forum), but the city's overall layout remains buried. Until recently, most historical mapping was 2D, often with distorted scales, mixed historical periods, and no vertical dimension. New technologies explored in research projects such as UCLA's Hypercities project (www.hypercities.com), allow students to interact directly with maps, overlaying one on top of another, tracing evolution over time, and creating innovative mark-ups.

Diane Favro's work focuses on Roman architecture and urbanism, and new applications of digital technologies for research and education. She directs the UCLA Experiential Technologies Center and this year received major grants from

the National Endowment for the Humanities, the MacArthur Foundation, and Keck Foundation. Among other projects, she was co-Principal Investigator on the award-winning Digital Roman Forum website and recently published on Roman visuality and ritual, Augustan Rome, and architectural history methodologies, as well as innovative digital articles. She lectures at major institutions worldwide, and serves on several international boards.

Design | Media Arts 19, Seminar 1

What Is Interactive Media?

Erkki Huhtamo

Interactivity and interactive media have been among the most repeated buzz-words of media culture for more than a decade. Still, their actual meaning is far from clear. There is not a single theoretical book fully devoted to interactivity, exploring its theoretical, cultural and historical underpinnings. In this seminar, we will develop a broader understanding of interactivity, particularly in relation to media, art, and design. We will discuss different definitions of interactivity and explore its relationship to earlier phenomena like mechanization and (full) automation. We will also review a wide variety of interactive applications, ranging from interactive media art and interactive entertainment to cinema and design. The goal of this seminar is to lead participants to a more critical understanding of the concept and its uses.

Erkki Huhtamo is Professor of Media History and Theory at UCLA's Department of Design and Media Arts. He is an internationally known media archaeologist, writer, and exhibition curator. He was born in Helsinki, Finland in the late 1950's and moved to the United States in 1999. He has published extensively, curated several international media art exhibitions, and directed acclaimed television series about media culture, including topics like virtual reality, Japanese media culture, and the archaeology of the moving image.

English 19, Seminar 1

Meeting Your Favorite Contemporary American Writers

Mona Simpson

This seminar is a reading of the works of three contemporary American writers who will visit UCLA to give readings at the Hammer Museum. Discussion of their work, attendance at their readings, and private meetings with writers to ask questions and engage in literary discussion.

Mona Simpson is the award-winning author of four novels, including *Anywhere But Here* (1987) and *Off Keck Road* (2000). Knopf will publish her new novel, *My Hollywood*, later this year. She is a Professor in the Department of English.

English 19, Seminar 2

Douglass, Stowe, and Ideas About Race

Barbara Packer

Students in this seminar will read Frederick Douglass's *Narrative of the Life of Frederick Douglass, An American Slave* (1845), and Harriet Beecher-Stowe's *Uncle Tom's Cabin* (1852), two central texts for understanding the origin of ideas about race and slavery in the U.S.

Barbara Packer is a Professor in the English department specializing in 19th century American literature. She is the author of *Emerson's Fall* and *The Transcendentalists*.

English 19, Seminar 3

What a Poem Says

Jascha Kessler

This seminar will focus on the three principal modes of poetry in Western literature and introduce students to verse by some of the major poets of our tradition. The art of reading poems will be taught.

As a professor of English in colleges and universities from 1952 until 1993 (when emeritus status was taken), Jascha Kessler has taught poetry regularly in lecture courses, and in creative writing seminars, as well as the writing of plays, and fiction and non-fiction. He has also published a good number of books of poetry and fiction, both his own, and translations from several languages, Persian, Bulgarian, Hungarian, Serbian, as well as reviews of poetry. More information can be found on his website: www.jaschakessler.com

English 19, Seminar 4

Great American Movies, 1967-74: The "New Hollywood" in Context

Robert Watson

In addition to seeing films, students in this seminar will have some readings assigned from *Pictures at a Revolution: Five Movies and the Birth of the New Hollywood* by Mark Harris, plus a few review pieces by *The New Yorker* magazine film critic Pauline Kael, and others.

Robert N. Watson is Professor of English and Associate Vice-Provost for Educational Innovation. He organized and taught the General Education Freshman Cluster "The Sixties" course, in addition to teaching Renaissance literature. He won the 2001 Distinguished Teaching Award, and is the holder of the 2006-8 Gold Shield Faculty Prize.

English 19, Seminar 5

Birth of the Comic Strip

Charles Batten

Some scholars claim that the great British painter and engraver William Hogarth (1697-1764) is the father of today's comic strip. Often focusing on the pressing issues of sex, violence, and stupidity, he used his visual art to tell stories that convey moral, social, and political lessons. Seminar is an examination of Hogarth's most famous comic strips- *The Harlot's Progress*, *The Rake's Progress*, *Marriage-a-la-Mode*, and *Industry and Idleness*- and his most famous comic panels- *Credulity*, *Superstition*, and *Fanaticism* and *O the Roast Beef of Old England*. In addition, the relation of Hogarth's techniques and ideas with those found in such recent comic strips will be analyzed.

Charles Batten is an Associate Professor in UCLA's English department who specializes in eighteenth-century British literature.

French 19, Seminar 1

Africa in Global Contexts

Dominic Thomas

This seminar is a focus on a broad set of issues that confront the African continent today. Improvement of contextualization of the following issues: colonial legacies, genocide, ethnic cleansing, petroleum politics, health care, South Africa, foreign policy, cultural relativism, China in Africa, foreign aid, emigration/immigration, and diasporic networks.

Dominic Thomas is Chair of French and Francophone Studies and a Professor of Comparative Literature. He is also a faculty member in African Studies, European Studies, and Global Studies. His courses and research focus on contemporary Africa and questions of racism and immigration in Europe. He is the author of *Nation-Building*, *Propaganda*, and *Literature in Francophone Africa*.

German 19, Seminar 1

Is A Non-Violent World Possible?

Robert Kirsner

Can there ever be an alternative to violence and war? Mahatma Gandhi thought so, and waged a non-violent campaign against the British which resulted in India gaining independence from Britain in 1945. And in the early 1960s, Martin Luther King, Jr. and his followers waged a non-violent campaign to end racial segregation in the United States. In this seminar, students read and discuss Gandhi scholar Michael Nagler's provocative book *The Search for a Non-Violent Future*, as well as selections from writings by and a biography of Gandhi, and interviews with living social activists inspired by Gandhi.

Robert S. Kirsner is Professor of Dutch and Afrikaans in the Department of Germanic Languages, and has taught the Dutch and Afrikaans languages, their literatures (in Europe, the Caribbean, and South Africa), and courses on functional- and discourse-based linguistics since the 1970s. He has been interested in non-violence ever since winning several peace essay contests during religious schooling as a child. He also knows Professor Nagler, whose book is the main text. In addition, he has taught *Fiat Lux* seminars on "Science Fiction and Religion".

German 19, Seminar 2

What is Language and Where Does It Come From?

Christopher Stevens

This seminar is an exploration of how, when, and why human language occurred and how linguists define and describe language. Discussions of where English comes from, who its relatives are, and how we can say one language is related to another. Discussion of how children acquire language and whether animals in wild, or laboratory, can acquire it (or any aspect of it). This last topic leads to language in our ancestors.

Chris Stevens is an Associate Professor in the Department of Germanic Languages at UCLA. His teaching and research interests include language change, language relationships, variation in language, linguistic reconstruction, and the origin of language.

Honors 19, Seminar 3

Artists' Books in the UCLA Library and Beyond

Robert Gore

An introduction to artists' books at UCLA, mainly through examination of collections at the Arts Library, Young Research Library's Department of Special Collections, Clark Library, and Biomedical Library's Department of History and Special Collections for the Sciences. Through examination of various collections, students in this seminar are introduced to the genre of artists' books and gain a sense of the richness of the libraries' collection in this area, particularly with regard to book artists active in Los Angeles and California.

Robert Gore is the Visual Arts Librarian and curator of the artists' book collection in the UCLA Arts Library. He holds a Master's degree in Library Science from the University of British Columbia and a Bachelor of Fine Arts degree in Photography from the Emily Carr Institute of Art and Design. Also active as a poet, his poems have appeared in *Canadian Literature*, *Prism International*, *Contemporary Verse 2*, and many other literary journals.

Linguistics 19, Seminar 1

Research on Linguistic Voice Quality

Patricia Keating

A seminar demonstrating how to participate in an ongoing research project about the production and perception of linguistic voice quality. Specifically, students learn how to design and record speech samples from native speakers of languages which make use of voice quality in their sound contrasts. Interest in language such as Hmong, Vietnamese, or other Mon-Khmer language, or Gujarati, is especially relevant, but not required.

Patricia Keating is a Professor of Linguistics and the director of the UCLA Phonetics Laboratory, where she teaches courses on the production and acoustics of speech. Before coming to UCLA in 1981, she received her Ph.D. in Linguistics at Brown University and was a post-doctoral student in the Speech Communications Group at MIT. She is a Fellow of the Acoustical Society of America, and an elected member of the Council of the International Phonetic Association. In 1986, she won a UCLA Distinguished Teaching Award. Her current research on voice quality is funded by the National Science Foundation.

Music 19, Seminar 1

Politics in the American Musical

Raymond Knapp

This seminar is an exploration of the ways in which politics has found its way into American musicals, both through specific songs and as theme in particular shows. Selected musicals may include *Show Boat*, *The Cradle Will Rock*, *Oklahoma!*, *My Fair Lady*, *West Side Story*, *The Sound of Music*, *Camelot*, *How to Succeed in Business Without Really Trying*, *Man of La Mancha*, *Rent*, *Little Shop of Horrors*, *Hairspray*, and *Wicked*.

Raymond Knapp is a Professor of Musicology, specializing in the 19th century symphonic tradition and in the musical. He has published books on Brahms, Mahler, and the American musical.

Scandinavian 19, Seminar 1

Strange Things: Folklore, Film, and the Politics of Fear

Timothy Tangherlini

Ghosts, UFOs, psychopaths, evil corporations, Satanists, serial killers, wild conspiracy theories, unlikely ways to be killed, and even more unusual ways to survive. These are but some topics that come up time and again in both urban legends (contemporary legends) and popular film. Sometimes popular films are based entirely on these legends (*Scream*, *Urban Legend*, *Men in Black*); other times, they simply make use of similar motifs. Although they keep us entertained and frightened, there is more to these stories and their presentation than simple entertainment. An exploration of how the storytelling of legends can be used to endorse ideological positions, this seminar will focus on how this process translates into popular film. Its goal is to develop an understanding of how narratives, particularly those that aim to create fear, can be used for local or global political ends.

Tim Tangherlini is a Professor of Folklore in the Scandinavian Section and the Department of Asian Languages and Cultures at UCLA. His research focuses on the politics of storytelling in well-defined communities.

South Asian 19, Seminar 1

Don't Think About the Elections!

Gyanam Mahajan and Stephanie Jamison

This course will examine the role of language in national elections in the US and in India. Specifically, it will focus on the notion of "framing" and consider the role of media and propaganda from a cognitive science perspective. The title of this course is derived from Lakoff's classic frame "Don't think of an elephant". The course investigates unconscious and predetermined views held by people. We will look at the democratic process through which consent is reached and how it could be "manufactured". We will compare and contrast the systems in the US and in India, which is the largest democracy.

Stephanie Jamison is a Professor in Asian Languages and Cultures Department and Head of the Program in Indo-European Studies. She is a historical and Indo-European linguist who teaches classes in Sanskrit, Middle Indo-Aryan, Old Iranian language and literature, Indo-European and Indo-Aryan linguistics and Classical Indian Civilization. She got her Ph.D. from Yale in 1977.

Dr. Gyanam Mahajan is a Senior Lecturer in Asian Languages and Cultures Department and Coordinator of the South and Southeast Languages and Cultures Program. She is a Linguist and a South Asianist who teaches classes in Hindi-Urdu, South Asian language and linguistics, language and culture and the media and Bollywood. She got her Ph.D. from Brandeis University in 1997.

Theater 19, Seminar 1

Medicine in Arts and Humanities

Shelley Salamensky

Medicine is much more than simple biology. In this seminar, we will explore a wide variety of lively literature, plays, movies, TV shows, and visual art concerning doctor, patient, body, mind, and magic of science.

Professor S.I. (Shelley) Salamensky holds a Ph.D. in literature from Harvard University. She is a scholar of literary and performance studies with strong academic, as well as personal, involvement in issues of medicine, practitioners and patients, the body, and both mainstream and alternative healing.

CULTURE & SOCIETY

Anthropology 19, Seminar 1

Language Myths: Beliefs about Language That Are Harmfully Wrong

Paul Kroskrity

This seminar treats the topic of language myths by examining some popular beliefs about language, specific languages, and communication that appear to not only be wrong, but also potentially harmful to oneself and others in our society. In most Western societies, language is often thought of as a neutral vehicle that provides a labeling system for the material world. Sayings such as "talk is cheap" and "actions speak louder than words" reveal a lack of appreciation of the social work that language performs and even a cultural bias against seeing language activity as a form of social action. Thus, even though it can be arguably maintained that our language ability is our most distinctive and important capacity as a species, most individuals engage in linguistic and communicative activity with only a minimal awareness of either the structure of their languages, or the explicit and implicit communicative norms of their society. By shedding light on unexamined properties of language structure and language use, this seminar will expose a variety of language myths and increase awareness.

Paul Kroskrity is an anthropologist specializing in Linguistic Anthropology. His research has focused on two very different Native American communities through long-term field work in each- one in Central California (Western Mono) and the other in Northern Arizona (the village of Tewa). He has examined how these languages have changed over time in response to Euro-American and other Native American languages. His topical specializations include the study of language and identity, verbal art, languages in contact, language ideologies, language death, and linguistic revitalization. His books include *Language, History, and Identity* (1993); *Language Ideology: Practice and Theory* (1998); *Regimes of Language* (2000); *Western Mono Ways of Speaking* (2002), and the forthcoming *Revealing Native American Language Ideologies*.

Anthropology 19, Seminar 2

Racism: The Anthropology of "Race" Relations in South Africa, Brazil, and the U.S.

Peter B. Hammond

This seminar's attention will be directed to comparing the differences and similarities in the cultural experience of racism in three historically distinct post-colonial societies in which racism persists as a powerful economic, social, ideological, and political force. Relevance of the seminar topic to the 2008 U. S. Presidential Election will also be considered.

A cultural anthropologist educated in Mexico, France, and the United States, Paul Hammond earned a doctorate in Anthropology and African Studies from Northwest University. He has extensive field research in Sub-Saharan Africa, Latin America, and the American South. He is a Ford Foundation African Studies Research Fellowship recipient, and National Science Foundation postdoctoral grant for research on race relations in the U.S. South. His current research interests is in social inequality, the African Diaspora, Third World economic development, racism, and "whiteness."

Anthropology 19, Seminar 3

Animals in Translation: Evolutionary Approach to Animal Thinking and Autism

Daniel Fessler

How do animals experience the world? Adopting an evolutionary psychological approach, this seminar will examine the book *Animals in Translation*, an attempt by noted autistic author Temple Grandin to explore and explain the behaviors, thoughts, and feelings of many nonhuman animals. Along the way, we will discuss the tenets of evolutionary psychology, Grandin's theory of autism, and the insights that cross-species comparisons can provide.

Daniel Fessler approaches a variety of aspects of human behavior, experience, and physiology from an integrative perspective in which humans are viewed as both the products of complex evolutionary processes and the possessors of

acquired cultural idea systems and behavioral patterns. His research focuses on a number of domains including: emotion; sex and reproduction; food and eating; violence and risk-taking; and conformity and cooperation. For a fuller treatment of his research interests, please see <http://www.sscnet.ucla.edu/anthro/faculty/fessler/>

Anthropology 19, Seminar 4

Food, Culture and Identity

Monica L. Smith

A hundred years ago, the U.S. government's "food pyramid" contained 12 items; now there are just 4. How did this change come about? How do ideas about food differ from one era to the next and from one culture to the next? How does food serve as both an integrative and a divisive social category? In this seminar, students will use readings and discussion to look at the social construction of food categories, cuisine, and the politics of food to understand the role of food in creating and maintaining culture.

Monica Smith is an Assistant Professor in the Department of Anthropology who is interested in the relationship between humans and material objects starting in the deep archaeological past. Her current research on food and consumption addresses the role of "ordinary goods" in the formation of culture and identity.

Anthropology 19, Seminar 5

Hip-Hop as Universal Language

H. Samy Alim

Hip-Hop culture has captured the minds of youth "all around the world, from Japan to Amsterdam" (like the homie Kurupt says), shaping youth identities, styles, attitudes, languages, fashions, and both physical and political stances. The field of global Hip-Hop studies has emerged as scholars around world grapple with what is arguably the most profound cultural, musical, and linguistic youth movement of the early 21st century. This seminar is an in-depth look at the languages of Hip-Hop cultures from Japan, Tanzania, Brazil, Germany, Nigeria, China, and Morocco.

H. Samy Alim is an Assistant Professor of Anthropology at UCLA and teaches courses in linguistic anthropology and African American Studies. A Hip Hop Head himself, he has written several books on the subject, including *Roc the Mic Right: The Language of Hip Hop Culture* (2006), *The Global Cipa: Hip Hop Culture and Consciousness* (2006), and the latest volume, *Global Linguistic Flows: Hip Hop Cultures, Youth Identities, and the Politics of Language* (2008). He has a page on Facebook, and you can check him at www.thaglobalcipha.com.

Chicano Studies 19, Seminar 1

How Mass Media Immigrant Portrayals Affect Presidential Politics

Otto Santa Ana

In this seminar, students will critically compare mass media characterizations (both in the news and in comedy skits) of immigrants and immigration policy in this election year. Then scrutinized will be media language and images to learn what is projected about immigration, citizenship, nationhood, and justice. Questions posed are Have these images changed? and Will any social and political differences result?

Otto Santa Ana is a linguist and critical discourse analyst. He wrote the award-winning *Brown Tide Rising: Metaphoric Representations of Latinos in Contemporary Public Discourse*. In it, he analyzed mass media news reports to understand how the general public is misled about Latinos. He is completing two books; one entitled *TeleVisioning Latinos* on television news portrayals of Latino political issues, the other, *Why did the Mexican Cross the Road?* on the symbolic violence of anti-Latino humor.

Chicano Studies 19, Seminar 2

Bad Girls in History: A Research Workshop

Alicia Gaspar de Alba

This seminar is designed to teach students to do independent research on famous female figures who have made history as "bad" girls, or rather, women who have somehow defied the gender codes of their time and place. Students will be assigned to research teams. Teams will investigate historical figures such as Lilith, Mary Magdalene, La Malinche, Joan of Arc, Sor Juana Ines de la Cruz, the Salem "witches," the legendary La Llorona or Weeping Woman of Mexican/Chicana/o folklore, the Aztec moon goddess, Coyolxauhqui, and the Mexican revolutionary soldier-women known as "soldaderas."

Alicia Gaspar de Alba is Professor and Chair of UCLA's Chicana and Chicano Studies department. She is the author of seven books, including a mystery novel on the Juarez murders, two historical novels, two collections of poetry, one collection of short fiction, and a scholarly monograph on Chicano art. She has edited an anthology on the representation of Chicana/o sexualities in popular culture. In 2003, she organized an international conference at UCLA on the Juarez femicides that was co-sponsored by the Chicano Studies Research Center, Amnesty International, and UCLA student organizations.

Economics 19, Seminar 1

Bargaining, Haggling, and Fairness Across Cultures

Naomi Lamoreaux

This seminar will explore the nature of trust and fairness in bargaining situations through a simple ultimatum bargaining game. This game is useful for exploring how self-interested individuals behave in bargaining situations and many others. It has been conducted in many countries (rich and poor) over the last decade, with the discovery that most cultures appear to have strong norms of fairness, with the only exceptions being certain very primitive cultures. (That is, rigorous self-interest, even in an obviously commercial setting like haggling, is rare.) In addition to bargaining, some time will be devoted to experimental analysis of public good contributions and wage setting, and, in general, to the exploration of the extent of motives such as fairness, trust, and reciprocity versus pure self-interest in economic decisions.

Naomi Lamoreaux holds a joint professorship with the departments of History and Economics at UCLA, where she has been a professor since 1994.

Economics 19, Seminar 2

The Tragedy of the Commons: Economic Behavior and Environment

Matthew Kahn

This seminar is an examination of why perfectly rational people who are cognizant of current and future peril that the depletion of scarce natural resources poses still continue to act in a manner that is detrimental to their own and society's interests. To this end, employment of tools of economic analysis will be used with a brief introduction of game theory to show how individual incentives shape behavior. Experiments will run to see how we can subtly change incentives and, hence, behavior. Students in this seminar will design and run their own behavioral experiments.

Matthew Kahn received his Ph.D. in economics from the University of Chicago in 1993. He has been at UCLA with the Institute of the Environment since 2007 and holds secondary appointments in the UCLA Department of Economics and the Department of Public Policy. Kahn has published over 60 papers and has authored *Green Cities: Urban Growth and the Environment* (Brookings Institution Press, 2006) and (with Dora Costa) *Heroes and Villains: The Social Face of War*, which will be published late in 2008 by Princeton University Press. His research focuses on environmental issues.

Economics 19, Seminar 3

Was Ibn Khaldun (1332-1406) the "Father of Economics"?

George Murphy

This seminar is a survey of early Islamic economic thought and will place Ibn Khaldun's writings in the larger context of the history of economic thought and the contributions of early Islamic thinkers.

George Murphy has lectured on American economic development, Soviet Russian economic development, comparative economics, Price Theory, and the history of economic thought. He was manager of Net Assessment Studies in General Electric Tempo (GE's 'thinktank') under contract to the Office of the Secretary of Defense, and the Office of Naval Research, directing backup research work for the Salt II Treaty talks.

Education 19, Seminar 1

Student Activism from the Sixties to the Present

Robert Rhoads

A seminar that focuses on student activism at colleges and universities in the United States. This seminar will primarily engage in comparative analyses between activism of the 1960s and contemporary forms of student activism. Students will be challenged to consider student activism and social movements from historical, political, sociological, and cultural perspectives. Two key books will be used: James Miller's *Democracy is in the Streets: From Port Huron to the Siege of Chicago* and Robert Rhoads' *Freedom's Web: Student Activism in an Age of Cultural Diversity*. The seminar will also rely on documentary films, including *February One: The Story of the Greensboro Four* and *Berkeley in the Sixties*.

Robert Rhoads is a sociologist of higher education, specializing in student movements and the democratization of colleges and universities. He has published several books on student activism and social change, including *Freedom's Web: Student Activism in an Age of Cultural Diversity*, *Community Service and Higher Learning: Explorations of the Caring Self*, and *The Political Economy of Globalization in the Americas* (with Carlos Alberto Torres). His most recent research interests center on student-initiated retention efforts, graduate student unionization, and the effects of globalization on higher education.

Geography 19, Seminar 1

Mapping the 2008 U.S. Presidential Election

Michael Shin

Florida? Ohio? California? Where will the 2008 U.S. presidential election be decided? By creating and analyzing maps of key issues and campaign strategies leading up to, and, subsequently, the results from the 2008 election, students in this seminar will obtain important insights into the geography of American politics.

Michael Shin is an Associate Professor of Geography. His research and teaching interests include political geography, geographic information systems (GIS), and geospatial data visualization and analysis.

History 19, Seminar 1

Pride and Prejudice: The World of Jane Austen and English Society

Teofilo Ruiz

This seminar is a close reading of Jane Austen's great novel, *Pride and Prejudice*. Students will examine the social and cultural aspects that can be read from the novel and how her work reflects specific aspects of English and European society in the early 19th century.

Teo Ruiz is a Professor of History, the author of nine books and more than forty articles. He won a Guggenheim Fellowship during the academic year 2007-08 and was also selected that year as one of UCLA's Distinguished Teachers.

History 19, Seminar 2

Crisis in Darfur: Five Years After

Ned Alpers

Whether or not the crisis in Darfur qualifies as genocide, how is it that the world continues to allow it to continue without resolution? How have the people of Darfur survived this catastrophe? What does it represent to the Sudan? to Africa? to the world? What can you do to alleviate the situation that continues to fester in Darfur? In this seminar, we will read about the history of the Darfur crisis, seek to understand the ways in which it has affected the people of Darfur, place it within the wider context of global human rights, and discuss what actions you can take to stop it.

A historian of Africa whose research and writing focuses on the slave trade in eastern Africa and the African diaspora in the Indian Ocean, Ned Alpers is also an avid reader of fiction. He has lived in Los Angeles for over 40 years.

History 19, Seminar 3

Terrorists and Door Kickers: Terrorism and Counterterrorism, Past and Present

Patrick Geary

Since 9/11, enormous attention has been focused on the ability of small, non-state organizations to inflict tremendous damage on powerful states, but such asymmetric warfare is hardly novel. This seminar looks at a variety of approaches to understanding terrorism, as well as efforts in the past and present to defeat it.

A Professor of History since 9/11, Patrick Geary is involved in assisting the U.S. Joint Special Operations University and the Naval Postgraduate School in developing approaches of teaching elite special operations officers how to face the challenge of the new terrorist environment. This seminar is a way for Professor Geary to share what he has learned with UCLA students.

History 19, Seminar 4

Historical Facts and Fictions: The Rights of Women in Islam

Ghislaine Lydon

Conventional wisdom in the United States maintains that Muslim women are, and always have been, oppressed. Myths, such as one that only men have right to divorce in Islam, are so pervasive that even scholars perpetuate them. Yet historically, not all Muslim women were subjugated, and recently some have even benefited more from modernization than their Western counterparts. Recent developments in Islamic legal practice are radically redefining the status of African and Middle Eastern women. In Nigeria, expansion of the shari'a to the criminal field is markedly prejudicial to women. Students in this seminar will grapple with important issues, especially with questions about Muslims and the veil.

Ghislaine Lydon's current book project deals with the evolution of Muslim women's rights in Africa based on court records. Women's history has always been of interest to her, even while writing her first book that deals with the predominantly male world of trans-Saharan trade (The forthcoming book will be published by Cambridge University Press this year.). In the past, she has noticed how engaged students become when discussing the history of Islam and so hopes this seminar will be a useful and productive forum.

History 19, Seminar 5

Nahua (Aztec) Accounts of the Conquest of Mexico

Kevin Terraciano

Students in this seminar will read and analyze several Nahuatl-language alphabetic writings (translated into English) and pictorial accounts which demonstrate native views of the war on Mexico-Tenochtitlan in the early 16th century. No other part of the Americas possesses such a rich literature that represents both Indigenous and European views of the contact and collision of cultures that occurred in the wake of Columbus' voyage across the Atlantic Ocean. Also examined will be several fascinating and little known histories, written by speakers of the Nahuatl language of central Mexico.

Kevin Terraciano received his Ph.D. from UCLA in 1994 and joined the faculty as an Assistant Professor in 1995. He is now Professor of History, Chair of the Latin American Studies Program, and Associate Director of the Latin American Institute. He specializes in colonial Latin American history, especially the indigenous cultures and languages of central and southern Mexico. He is the author of several prize-winning writings on Colonial Mexico, including a book on the Mixtecs of Oaxaca (Stanford University Press, 2001).

Honors Collegium 19, Seminar 1

Civic Engagement in Los Angeles

Laura C. Romero

This seminar will examine civic engagement in Los Angeles. Invited guest speakers from public and private sectors, including city government, corporations, and community-based organizations, discuss the impact of their work on society. By focusing on different types of civic engagement, we will analyze how individuals contribute to Los Angeles. This seminar also encourages students to become civically engaged during their college careers.

Laura C. Romero is an Assistant Director of Local Government and Community Relations at UCLA. She has worked in the Office of Government & Community Relations for over seven years. As assistant director, she serves as a liaison between UCLA and government, and business and community leaders in the greater Los Angeles area. Before assuming the role of assistant director, Dr. Romero worked within the private and public sectors as Acting Director of Public Affairs at KMEX-TV Channel 34, and as National Mentoring Coordinator of the award winning Univision/Communities In Schools, Inc.'s Mentoring Initiative. She received her bachelor's, master's, and doctoral degrees from UCLA. Her area of academic expertise is mentoring.

Honors Collegium 19, Seminar 4

Careers in Student Affairs

Ronni Sanlo and Dayna Baker

This seminar will inform students about the many careers in student affairs and higher education through active discussion, listening, viewing, and participation. There are currently no undergraduate majors or minors from which students may learn about and prepare for the profession of student affairs, yet many of our student leaders are actually doing student affairs work. This course is designed to assist them with an understanding the profession and to explore possibilities for future careers. Learning opportunities as members of this class include the 2008 Western Regional Careers in Student Affairs at UCLA in October.

Ronni Sanlo is the Director of the UCLA Lesbian, Gay, Bisexual, and Transgender Campus Resource Center, a lecturer in the Graduate School of Education and Program Coordinator, CLA GSEIS Higher Education & Organizational Change (HEOC) and holds an M.Ed in Student Affairs. Her three books, *Working with LGBT College Students: A Handbook for Faculty and Administrators*; *Unheard Voices: The Effects of Silence on Lesbian and Gay Educators*; and *Our Place on*

Campus are published by Greenwood Press. She is the originator of the award-winning Lavender Graduation, an event that celebrates the lives and achievements of LGBT students. She lives on the UCLA campus as a member of the Faculty-in-Residence program.

Dayna Baker holds an M.S. in Education and Student Affairs Administration from Indiana University Bloomington, and is a Resident Director at UCLA. She implemented a partnership in service-learning with a housing community in South Los Angeles, and administers a course in student development which new Resident Assistants through the UCLA Graduate School of Education.

Honors Collegium 19, Seminar 5

LGBT is Not a Sandwich: Straight Talk on the Effects of Silence on Sexual and Gender Minorities in Los Angeles

Ronni Sanlo and Suzanne Seplow

This seminar informs students through active discussion and participation about the myriad ways in which people and communities are affected by issues of sexual orientation and gender identity. Topics include the history of sexual orientation issues, health and legal issues of sexual and gender minority people, sexual/gender identity development, and legal issues directly affecting UCLA and Los Angeles.

Ronni Sanlo is the director of the UCLA LGBT Campus Resource Center and a lecturer in the Graduate School of Education. Her three books - *Working with LGBT College Students: A Handbook for Faculty and Administrators*; *Unheard Voices: The Effects of Silence on Lesbian and Gay Educators*; and *Our Place on Campus* are published by Greenwood Press. She is the originator of the award-winning Lavender Graduation, an event that celebrates the lives and achievements of LGBT students. She lives on the campus of UCLA as a member of the Faculty-in-Residence program.

Suzanne L. Seplow, Ed.D., is a graduate of the GSEIS Educational Leadership program at UCLA. Her focus is on maintaining living/learning communities that foster positive impacts on student learning. She specializes in learning communities, environmental influences, and student development theory.

Honors Collegium 19, Seminar 6

Will It Burn? Yes, It Will. Fire in California

Larry Loehner

Fire has been an integral part of the California landscape for thousands of years. Sparked by lightning, fire burned through almost all of the state's ecosystems, sometimes becoming an essential part of community establishment and renewal. Fire distribution is influenced by numerous factors including fuel sources, ignition sources, and environmental variables such as topography, climate, and weather. As humans began to occupy natural fire areas, pattern, scale, and distribution of fire began to change. In the last three centuries, fire has evolved from a beneficial natural phenomenon to one that creates massive social disruption and incurs enormous human costs.

Larry Loehner is the Associate Vice Provost and Director of the Office of Instructional Development at UCLA. He received his BS, MA, and Ph.D. degrees in Geography. He acquired first-hand experience with fires and fuels during eleven fire seasons with the United States Forest Service. He has written about the role of fire as a natural hazard in the Santa Monica Mountains and continues to investigate chaparral fuels.

Information Studies 19, Seminar 2

"Just Google It": What It Is and When It's Appropriate

John Richardson

Google, the world's most popular search engine, indexes more than eight billion Web pages. This seminar explores the rise of the Internet and the World Wide Web as an important, if not authoritative, source of information for facts, news, shopping, and geography. A description of Google's features, compared and contrasted with other Web resources and an exploration of the evaluative criteria, including issues of authority, believability, and trust.

For John Richardson's biography, please see: purl.org/net/jrichardson

Information Studies, Seminar 3

The Numbers Game: Baseball, Statistics, and Seeing the Invisible

Gregory Leazer

It happens dozens of times in a single baseball game: a pitcher throws a ball. What happens next? The limited number of possible outcomes lends itself to analysis, interpretation, and evaluation- the stuff of statistics. But how do you evaluate something complex, like comparing players or teams? How do you "operationalize" difficult and multifaceted behaviors, like baseball talent? Furthermore, baseball is easy, because of the restriction in the number of outcomes: a hit, an out, etc. But can you use statistics to measure how good a person is as a student, or a professor? Students in this seminar will address those questions and more.

Gregory Leazer is primarily interested in document retrieval systems, which involves locating relevant documents, and measuring complex variables such as the degree of match between a given user and a particular document. But he also loves baseball, and finding new ways to evaluate baseball talent.

Law 19, Seminar 2

Peace, Nonviolence, and the Law

Kenneth Graham

Does law prevent violence or contribute to it? Students in this seminar will use court decisions and other evidence of how courts and lawyers respond to nonviolent, non-electoral political action to answer this question for themselves. The course will use the guided discussion method sometimes misnamed as "Socratic."

Kenneth Graham has taught at the UCLA School of Law since 1964, primarily subjects such as evidence and civil and criminal procedure. He served as a prosecutor in the Ventura County District Attorney's Office and as a consultant to the Hawaii Penal Code Revision Project. He is an author of 15 volumes on the law of evidence. He was the 1987 UCLA's Distinguished Teaching Award recipient. For a more detailed biography, please visit the UCLA Law School's website.

Law 19, Seminar 3

Elections and Democracy: How Authoritarian Regimes Take Power in Democracies

Frances Olsen

This seminar will investigate threats to democracy inside and outside the electoral process. Students will examine Hitler's "legal" seizure of power as well as coups d'état (successful and unsuccessful), assassinations (including John and Robert Kennedy, Yitzhak Rabin, Martin Luther King, Jr., and Malcolm X) and the role of secret police and private militia. Seminar participants will also draw on history to evaluate and place into context contemporary threats to American democracy.

Frances Olsen has taught at UCLA since 1984 as well as teaching in many other countries, including Germany, Chile, and Israel. Her focus is on legal theory and social change.

Physiological Science 19, Seminar 1

The University: What Is It and Why Are We Here?

James Tidball

The origin of the university in the modern world lies in highly structured institutions in medieval Europe where students pursued formal learning in the arts and sciences, law, medicine, or theology. In the nearly 900 years since that origin, the structure of the university has remained amazingly intact, and now serves as the model for higher education throughout the world. However, the role and rationale for the university in Western society have begun to evolve rapidly in recent years in response to changing economic and social expectations. In this seminar, we will study and discuss the university's origins, its modern functions, and whether or not the university and society serve one another well.

James Tidball has been a student or a professor of the university for 36 years. He is now a Professor of Physiological Science in the College of Letters and Science, a Professor of Pathology in the School of Medicine, and Chair of the Ph.D. program in Molecular, Cellular & Integrative Physiology at UCLA. His research concerns the causes and treatment of muscle disease.

Political Science 19, Seminar 1

New Cold War? Russia, Georgia, and NATO

Richard Anderson

What happened between Georgians and Russians during their week-long war over South Ossetia in August 2008? Who wants to belong to Georgia, who wants to belong to Russia, and why did Russia want to join in fighting? Why did NATO get involved in Caucasus? And does this conflict portend a resumption of the armed confrontation between the U.S. and Russia that shaped world politics during 1945-1991?

Richard Anderson, who during the Cold War was a CIA analyst and Congressional staffer specializing in national security, has taught Soviet and Russian politics; he now works mainly on discursive approaches to the formation of political institutions.

Public Policy 19, Seminar 1

Controlling Nuclear Weapons

Albert Carnesale

National security is a prominent concern in the minds of most Americans and a major issue in this year's presidential election. It is generally agreed that the greatest threat is posed by nuclear weapons in the hands of hostile nations or terrorist organizations. This seminar will focus on incentives and disincentives for acquiring and maintaining nuclear arsenals, the relationship between nuclear power and nuclear weapons, the role of arms control agreements, current "hard cases" in nuclear proliferation (e.g., North Korea and Iran), and alternative futures for nuclear stockpiles.

Albert Carnesale served as Chancellor of UCLA from 1997 to 2006, and currently is Professor of Public Policy and of Mechanical and Aerospace Engineering. His work focuses on international affairs and security, with emphasis on issues associated with nuclear weapons and on the implications of technological change for foreign and defense policy. He has represented the U.S. Government in negotiations on defense and energy issues and serves on the FBI Director's National Security and Higher Education Advisory Board.

Public Policy 19, Seminar 2

The Essays of David Hume

Andrew Sabl

Students in this seminar will choose to read several essays by Scottish philosopher, historian, and economist David Hume, the topics of which will include politics, aesthetics, religion, morality, culture, money, ancient history, social progress, love, economics, suicide, avarice, drama, immortality, and essay-writing itself.

Andrew Sabl teaches political theory and ethics in UCLA's Department of Public Policy. He has taught a variety of classes on subjects ranging from Plato's dialogues and the Scottish Enlightenment to Affirmative Action and Political Ethics. He is the author of *Ruling Passions: Political Offices and Democratic Ethics* (Princeton University Press, 2002) and numerous scholarly articles. He is currently writing a book on David Hume's political theory.

Sociology 19, Seminar 1

Zen and the Art of Mindfulness: Meditation and Attention in Everyday Life

Peter Kollock

This seminar examines Zen Buddhism, not in the context of religion, but as a system of social psychology that has evolved over 2600 years. We will examine Zen Buddhist practices for developing cooperation and peace in one's self and one's relationships. A key element of the seminar will be a weekend retreat at a Zen Buddhist monastery in Southern California in November.

Peter Kollock is a Professor of Sociology at UCLA. His research focuses on cooperation, trust, and risk in groups. He studies a wide range of situations in which group members gain by cooperating but where a temptation to behave selfishly exists, examining the factors that encourage or discourage the emergence of cooperation, community, and trade. His recent work has concentrated on studies of online communities and markets. He received UCLA's Distinguished Teaching Award in 1992.

Sociology 19, Seminar 2

Reggaeton Breaks Into Mainstream

Gabriel Rossman

Reggaeton music is a Spanish-language combination of hip-hop and dancehall that was almost unheard of in the U.S. until 2005, when it exploded in popularity. This seminar will make use of this cultural trend to explore theories of sociology of culture, economic sociology, diffusion of innovation, and race and ethnicity. Seminar exercises draw on extensive data from the radio industry.

Gabriel Rossman earned his Ph.D. from Princeton University in 2005. He studies economic sociology and the production of culture. His main research interest is understanding how ideas spread through fields. His research projects include studies of collaboration in film, the Dixie Chicks blacklist, and payola.

Sociology 19, Seminar 3

How We Count: Censuses in Historical and Contemporary Perspective

Rebecca Jean Emigh

From the earliest efforts at information-gathering in England (the *Domesday Book*) and Italy (*Catasto*) to modern censuses in the United States, governments have tried to collect information on their populations. Such information can be used for taxation, to determine political representation, and for planning. In the U.S., there have been numerous recent popular debates on the census, including debates over undercounting the poor, the use of sampling, and the creation of a multiracial category. This seminar is an exploration of how such counting is accomplished.

Rebecca Emigh is a historical sociologist who received her Ph.D. from the University of Chicago and has taught at UCLA since the Fall of 1993. She researches transitions to capitalism and patterns of official information gathering.

Sociology 19, Seminar 4

Contemporary Chinese Immigration: Community, Family, and the New Second Generation

Min Zhou

As an introduction to contemporary Chinese immigration, this seminar will examine how historical events and cultures in the homelands and in American society, patterns of social relations, and ethnic and host social structures have interacted to affect the process of adaptation and the life chances of first- and second-generation Chinese immigrants. By the end of the seminar, students will be more aware of the social forces that bind Chinese immigrants and their families together, the dynamics of social institutions in the ethnic community and in the larger society which mediate between individuals and their increasingly complex physical environment, and the determinants of migration and status attainment. Through the study of a particular immigrant group, students will understand better the various structural and cultural factors that affect processes of international migration and family resettlement. Students will also see more clearly the invisible threads connecting the Chinese immigrant family with the ancestral homeland, with the ethnic community, and with mainstream American society.

Min Zhou is a Professor of Sociology and Asian American Studies at UCLA. Her main areas of research are international migration; ethnic and racial relations; education and the new second generation; immigrant youth; Asia and Asian America; and the community and urban sociology. She has done extensive work on the educational experiences of immigrant children and children of immigrant parentage, the employment and earnings patterns of immigrants and native-born minorities, immigrant communities, ethnic language media, ethnic organizations (including ethnic language schools), ethnic economies, and residential mobility. She has published numerous academic journal articles and book chapters in edited volumes. She is the author of *Chinatown: The Socioeconomic Potential of an Urban Enclave* and *The Transformation of Chinese America* (in Chinese), co-author of *Growing up American: How Vietnamese Children Adapt to Life in the United States*, and co-editor of *Contemporary Asian America* and *Asian American Youth*. She is currently writing two books: *Contemporary Chinese America: Immigration, Ethnicity, and Community Transformation* and *Chinatown, Koreatown and Beyond: How Ethnicity Matters for Immigrant Education*.

Urban Planning 19, Seminar 1

Sprawl: American Dream or Nightmare?

Randall Crane

What is sprawl and what, if anything, should be done about it? Many urban areas, in the U.S. and elsewhere, are growing rapidly at their peripheries, with new residential, commercial, and industrial developments gobbling up undeveloped land, or smaller towns, often at a startling pace. Even some cities losing population are expanding physically as families shrink in size, generating more households per capita, and the demand for space continues to rise with income. And so? There is much to learn about, first, how to think about how communities form and spread and, second, what to do about it.

Randall Crane is a Professor of Urban Planning and Director of Undergraduate Programs in the School of Public Policy & Social Research. His research interests include urban environmental and development problems in the U.S. and abroad, with a focus on behavior/built environment interactions. Among his current projects, he is studying the causes and impacts of "sprawl" and is co-author with Marlon Boarnet, *Travel by Design: The Influence of Urban Form on Travel* (Oxford, 2001).

Women's Studies 19, Seminar 1

Sexual Harassment Law and Policy

Christine Littleton

What is sexual harassment? Is it really about sex? Why is it unlawful? How can it be distinguished from other interactions? What can be done to eliminate it? How do courts deal with claims of sexual harassment? Can men be sexually harassed? These and other questions are explored in this seminar through discussion of actual legal cases.

Christine Littleton is a professor in the UCLA School of Law and the Department of Women's Studies. As a lawyer, she has participated in cases involving discrimination on the basis of sex, race, sexual orientation, disability, and family status. Her research is in sex discrimination and feminist legal theory.

SCIENCE & TECHNOLOGY

Bioengineering 19, Seminar 1

Truth and Questions in Orthopaedics

Howard Winet

The demand for solutions to difficult fracture healing problems have spawned a wealth of orthopaedic devices and materials, but the rush to application has outrun scientific evidence for their efficacy. Using a class reader, lectures (including a guest surgeon and an engineer), and discussions, students in this seminar will explore how the needs for scientific rigor and clinical demands have conflicted historically, beginning with Bacon's separation of religion from science, through the entrance of science into medicine in the late 1700s. The course will end with current FDA requirements for safety and efficacy of orthopaedic implants.

Howard Winet is an Adjunct Professor in the Henry Samuel School of Engineering & Applied Science. He received his Ph.D. from UCLA in cell physiology, biophysics, and the history of science. From 1980-1998 he was an Adjunct Professor in orthopedic surgery

Chemistry 19, Seminar 1

Chemistry and Art

David Scott

This seminar explores how chemistry has been important in the process of making art from ancient times to the present. It will consist of lectures, as well as discussions, together with student reports on murals in Los Angeles, sculpture in the UCLA Sculpture Garden, and the making of a few simple pigments.

David A. Scott is a Professor in Art History and Chair of the UCLA/Getty Conservation Program in Archaeological and Ethnographic Materials. His interests encompass the nature of culture, the use of historical pigments, and the technology and microstructure of ancient metals. His book, *Copper and Bronze in Art* won the prize from the American Association of Publishers as the best scholarly/art book published in the United States in 2002.

Chemistry 19, Seminar 2

Serendipity in Science

Herbert D. Kaesz

An inquiry into the unexpected discoveries in science that have had significant impact on society, and an analysis of the circumstances which brought these about. Serendipitous, i.e., fortuitous, observations become significant only where the observer can recognize or correctly interpret the discovery, as in the case of the mold metabolite penicillin discovered by Fleming in 1928, giving rise to a new class of antibiotics. Discoveries in medicine, which derive from an indigenous oral tradition prior to their entry into Western European practice, will also be discussed. A librarian will address the seminar regarding use of library and computerized search facilities.

Herbert Kaesz received an A.B. from N.Y.U. and his M.A. and Ph.D. degrees from Harvard University, beginning his career at UCLA in 1960. His research interests are in the field of organometallic chemistry. He received the Tolman Medal from the Southern California Section of the American Chemical Society, has held two foreign fellowships, and has twice held the post of Professeur Invité in France. He received the American Chemical Society Award for distinguished Service in the Advancement of Inorganic Chemistry.

Community Health Sciences 19, Seminars 1 and 2

Cosmo Says You're Fat? I Ain't Down with That: Nutrition and Body Image Life Skills

Jill De Jager and Rena Orenstein

This seminar will examine the personal, social, and environmental factors that influence college students' eating behaviors and body image. Students will learn to apply these theories in developing an individualized plan to eat well, be active, and feel good about their bodies. Students will also learn practical skills with applications to stress management, positive body image, and nutrition as they participate in a critical evaluation of popular diets, healthy body weights, sports nutrition, fitness, supplements, muscle builders, media body ideals, and self-destructive thoughts.

Jill DeJager, MPH, RD, is a registered dietitian with a background in exercise physiology and public health. In addition to her current role as UCLA's Nutrition Education Coordinator, she functions as an Adjunct Professor of nutrition at Mount San Antonio Community College. She is currently the chair of UCLA's Eating and Activity Task Force which seeks to maximize the success of students by minimizing modifiable nutrition and fitness-related health threats.

Rena Orenstein, MPH, is Assistant Director for Student Wellness Initiatives at UCLA SD Health Education, where she has worked for ten years. She also holds a lecturer appointment at UCLA's School of Public Health, currently teaching two different undergraduate courses, CHS 179 and CHS 181. Her professional interests include college health and wellness promotion and education; mind/body connection; stress reduction education; and college alcohol use. Her background includes work in communications, public relations and marketing, in both non-profit and for-profit settings.

Dentistry 19, Seminar 1

Novel Topics and Discoveries in Oral Biology, Medicine, and Dentistry

Anahid Jewett

An introduction to topics of interest and novel discoveries and inventions in oral biology and dentistry, each session of this seminar will focus on one or two areas of interest in oral biology. Formats include roundtable discussions, paper presentations, and laboratory demonstrations. Depending on the topic of presentation, papers are selected and assigned to students for presentation and discussion in each class meeting.

Anahid Jewett is an Associate Professor in the School of Dentistry, teaching both dental students and master's and doctoral students in the division of oral biology and medicine. He is affiliated with the Dental and Craniofacial Research Institute, the Johnsson Comprehensive Cancer Center, the Wintraub Center for Reconstructive Surgery, the UCLA Tumor Immunology subgroup, and is an Access faculty mentor. He conducts research on areas of oral cancer, pulp biology, and periodontal disease.

Dentistry 19, Seminar 2

Intellectual Property

Kathryn Atchison and Michael Shockro

From the early days of trade along the ancient China silk road to current debates at the World Trade Organization; from the rights of performers in the entertainment industry to the fights among titans of high technology; from the discoveries in early laboratories to the frontiers of the internet, rights to intellectual property (“IP”) have been at the core of creative development. IP assets are a cornerstone of our country's position in today's world market, and are at the cutting edge of tomorrow's technology. This seminar will explore the history of developing IP concepts, current IP issues, variations in the protection for patents, copyrights, trademarks, trade secrets, geographic differences, and even the development of gender rights for indigenous populations.

Prior to becoming Vice Provost at UCLA’s Office of Intellectual Property Administration, Kathryn Atchison was a Professor in the UCLA Department of Dentistry.

Earth and Space Sciences 19, Seminar 1

The End of Modern Civilization: Problems and Solutions

Mark Moldwin

This seminar will examine the major problems of the 21st century that have the potential for catastrophic societal impacts: over-population and the attendant issues of energy, transportation, agriculture, environmental degradation and global warming; nuclear war; natural disasters including asteroid impacts; and pandemics. Students in this seminar examine the root causes of the man-made potential disasters and explore possible solutions.

Mark Moldwin is a Professor of Space Physics within the UCLA's Department of Earth and Space Sciences and the Institute of Geophysics and Planetary Physics. His research includes the field of Space Weather that examines how the Sun influences the space environment of Earth and particularly the technological systems that makes up modern society. He currently writes a monthly column for a small community newspaper called *Adventures in Science* that has focused recently on such issues as global warming and overpopulation.

Honors Collegium 19, Seminar 2

The Rise and Fall of a Blockbuster Drug

Mike Gresser

The focus of this seminar will be on therapeutic drugs, not recreational drugs. Pharmaceutical and biotechnology companies constantly strive to create better therapeutic agents intended to improve the lives of patients and generate profits for themselves. It is very challenging to make a drug which has a sufficiently favorable benefit to risk ratio in order to justify making it available to patients. Companies that make such drugs have to promote them vigorously to ensure that they will be prescribed and purchased, while making clear the risks associated with using the drug. We will discuss the roles and responsibilities of companies which create and market drugs, the regulatory agencies which decide whether to approve them, the physicians who decide whether to prescribe them, and the patients who decide whether to take them. At each level, decisions concerning risk and benefits should be made. Various drugs will be discussed, with an emphasis on the cyclooxygenase-2 inhibitor Vioxx.

After earning a Ph.D. in Biochemistry at Brandeis University and doing postdoctoral training at UCLA, Mike Gresser worked as a researcher and teacher at Simon Fraser University, and then as a researcher in the pharmaceutical industry at Merck Frosst Canada where he was Executive Director of Biochemistry and Molecular Biology. Later, he worked at Amgen, Inc. where he was Vice President of Research. Currently, he is a visiting scholar at UCLA and works as a consultant to the pharmaceutical and biotechnology industries with Clarity Therapeutics Consulting.

Human Genetics 19, Seminar 1

Dinner with Geneticist/Genetic Counselor X

Christina Palmer and Michelle Fox

Students in this seminar will share a bi-weekly dinner with a geneticist or genetic counselor to be named. These individuals are UCLA faculty members who see a variety of patients and/or do research in human genetics. Dinner will be an informal gathering in which seminar participants eat together as a group, with pizza and beverages provided. Mid-way through the dinner, the instructor will briefly introduce the guest and open the floor for questions on the topic of the day. No PowerPoint slides, no lecture, no formal outline of material to be covered; it is simply an open-ended conversation with the goal of providing young people with an opportunity to learn from an expert in his or her field.

Christina Palmer is an Associate Professor in UCLA's Department of Psychiatry and Biobehavioral Sciences and Human Genetics. She is a trained genetic counselor and provides psychiatric genetic counseling. She conducts research on psychiatric genetics and on the personal and social impact of genetic testing for deafness.

Michelle Fox is an Adjunct Assistant Professor in the Department of Pediatrics in the David Geffen School of Medicine at UCLA. She is a trained genetic counselor and coordinates the Pediatrics/Adult Genetics Clinic and the Predictive Huntington Disease Program at UCLA.

Management 19, Seminar 1

Electronic Entrepreneurship: From e-Bay to craigslist

Richard Saouma

This seminar will walk students through the basics of identifying a niche, and then developing an electronic business. The first part of the course is designed to help students transform their interest or hobby into a marketable idea; the latter half examines how to execute the idea on electronic forums, primarily e-bay. If time allows, students will even dive into some academic literature in e-bay; i.e., ideal closing times, and buyer psychology.

Richard Saouma turned an unsuccessful birthday gift into an e-bay cash-cow last winter. He quickly rose in the ranks to become a silver powerseller, and has continued to exploit market inefficiencies to sell electronics around the neighborhood and world using e-bay and craigslist.

Medicine 19, Seminar 1

Hot Topics in Medicine: Disease, Politics, and the Bottom Dollar

Olag Melamed

A host of invisible barriers separate patients from their doctors: the lack of insurance, financial disparity, and language and cultural bias are just some examples. Students participating in this seminar will take a crack at researching and discussing in class some of the biggest issues in healthcare today. This seminar experience will help students figure out if they should consider a career in medicine. Previous *Fiat Lux* sessions have addressed diseases such as the Influenza and enteropathogenic E. coli infections. Medical ethics and economics are examples of topics students found to be fascinating.

Oleg Melamed is an Internist who practices alongside residents and medical students at the Olive View-UCLA Medical Center. He is an Associate Professor in the David Geffen School of Medicine at UCLA.

Molecular, Cell, and Developmental Biology 19, Seminar 1

Read The New York Times Science section and Discuss It over Coffee

John Merriam

"The sheer intellectual joy of finding out how life works is really cool. This is the greatest intellectual revolution and it is happening right now" (Susan Lindquist, interviewed in the New York Times, 4/24/07). The revolution comes from technology which makes direct experiments possible, but also brings controversies and concerns. The intellectual joy is available to everyone who wants to find out what's going on or keep up life-long learning: The New York Times Science section is a premier way to get in the habit of reading science developments particularly, but not limited to, life and medical sciences. Once per week, we will review the science section and discuss articles of interest and identify topics for further exploration on the internet. Coffee will be served.

John Merriam is a Professor in the Department of Molecular, Cell and Developmental Biology at UCLA. His main teaching interest is in the area of human genetics and introductory genetics. His research uses *Drosophila* as a model organism to determine the function of specific genes.

Pathology 19, Seminar 1

Thinking Scientifically: How to Evaluate Science in the News

Linda Baum

New scientific information pervades our culture through television, radio, the internet, and newspapers. Important personal and public decisions are made based on these reports, but are these reports scientifically accurate and appropriately presented? How does a non-scientist determine what is a real scientific discovery and what is pseudo-science? What is an objective and complete story and what is a skewed story told from particular point of view? This seminar is a review of articles about recent scientific events relevant to our society that have been published in media.

Linda Baum is a Professor of Pathology and Laboratory Medicine in the Geffen School of Medicine at UCLA. She received her B.S. in Biology from Stanford University, and her Ph.D. in Immunology and M.D. degrees from Duke University. She completed a residency in Clinical Pathology and a post-doctoral fellowship in Biological Chemistry at UCLA, and joined the faculty as an Assistant Professor in 1989. Dr. Baum teaches pathology, hematology, and immunology to medical students, graduate students, residents, and post-doctoral fellows. Her research focuses on molecular interactions of glycans.

Physiology 19, Seminar 1

The Biology of Birth Control

Nancy Wayne

This seminar begins with an understanding of the biology of birth control by investigating how the body normally controls fertility, with a focus on the female menstrual cycle, and the underlying endocrine events that control this cycle. Then discussed is a wide variety of frequently used birth control devices (e.g., barrier methods, hormonal manipulations, sterilization), and the effects they have on the reproductive system either to block conception or to induce abortion of the embryo/fetus. Contraceptive methods that prevent sexually transmitted diseases will be examined also.

Nancy Wayne is a Professor of Physiology, and has been a faculty member at UCLA since 1992. Her research area focuses on understanding how the brain controls reproduction. She has been teaching Reproductive Physiology and Endocrinology to health professional students for over ten years.

Psychology 19, Seminar 1

The Psychology of Personal Control

Richard S. Marken

Our human propensity to control the world around us has produced our greatest human achievements (such as Beethoven's 9th) and our worst human failures (such as oppression and war). This seminar will examine human controlling from the point of view of a theory of human behavior called control theory. Why personal control is essential for our psychological wellbeing and why it can also create problems that can actually lead to loss of control. Presentation of new approach to studying behavior (test for controlled variable) and to answering familiar questions about behavior, such as what is the effect of divorce on children, or how one can reduce the level of stress felt. A consideration of how scientific understanding of personal control might help us find ways to improve human condition for ourselves, as well as for society as a whole.

Richard S. Marken, Ph.D., is a research psychologist and human factors engineer. Dr. Marken was Associate Professor and Chairman of the Department of Psychology at Augsburg College in Minneapolis and consulted at Honeywell on statistical, methodological, and human factors issues related to workspace design and human-computer interface technology. He is currently a lecturer in psychology at UCLA and the author of three books, *Methods in Experimental Psychology*, *Mind Readings: Experimental Studies of Purpose*, and *More Mind Readings: Methods and Models in the Study of Purpose*, as well as over 50 papers on control theory and psychology.

Psychology 19, Seminar 2

Stress! Causes, Symptoms, and Remedies

Carlos Grijalva

We all have perceptions and misperceptions of what stress is, and the impact that different experiences have on our lives. This seminar will help students gain a better understanding of stressors in our lives and the impact that stressors can have on mental and physical health. An examination of causes and symptoms of stress, stress-management techniques are highlighted.

Carlos Grijalva received his bachelor's degree from the University of Arizona and his Ph.D. degree from Arizona State University. He served for three years as a postdoctoral fellow in the UCLA Department of Psychology and School of Medicine before joining the faculty in 1982. He is a Professor of Psychology who specializes in behavioral neuroscience, conducting research on animal models of stress and feeding disorders. He teaches introductory psychology, psychobiology, and courses on emotion and stress. He received a UCLA Psychology Department Distinguished Teaching Award in 2005.

Statistics 19, Seminar 1

Hold 'em or Fold 'em: Poker and Probability

Frederic Paik Schoenberg

This seminar explores the fundamental concepts of elementary probability theory and statistics, which are useful in a very wide variety of scientific applications. Students learn the basic foundations of probability, including axioms of probability, addition and multiplication rules, conditional probability, expected values, and combinatorics. We will discuss important statistical concepts such as standard deviation, law of large numbers, central limit theorem, simulation, standard errors, and confidence intervals. All of these topics, which are broadly applicable in the sciences, are motivated by examples of situations and concepts that arise naturally when playing Texas Hold'em, a game of strategy and chance whose complexity is surprising and whose popularity is world-wide.

Frederic Schoenberg is an Associate Professor of Statistics at UCLA. He earned his Ph.D. from UC Berkeley in 1997 and specializes in point processes and their applications in the environmental sciences.