

UCLA *Fiat Lux* Freshman Seminars  
Spring Quarter 2008

**ART & HUMANITIES**

**Applied Linguistics and TESL 19, Seminar 1**

*Cavemen Walking*

John Schumann

This seminar will take advantage of the recent publication of two books, *Walking with Cavemen* and *The Journey of Man*, and accompanying videotapes on the evolution of humans and their early migrations. The seminar will begin with the first book and will examine the evolution of humans from early Australopithecines through *Homo sapiens* with special focus on *Australopithecus afarensis*, *Paranthropus boisei*, *Homo rudolfensis*, *Homo habilis*, *Homo ergaster*, *Homo erectus*, *Homo heidelbergensis*, *Homo neanderthalis*, and *Homo sapiens*. The second book presents genetic research on the Y chromosome tracing human migration out of Africa about 60,000 years ago, first to Australia, then to the Middle East, from there to India, East Asia, and eventually to Europe and the Americas.

Professor Schumann teaches courses in second language acquisition, the neurobiology of learning, and the evolution of language. His publications include *The Neurobiology of Affect in Language* and he is a co-author of *The Neurobiology of Learning: Perspectives from Second Language Acquisition*. He is currently working on a book on the evolution of language. He was the chair of Applied Linguistics department for sixteen years.

**Art History 19, Seminar 1**

*The World of Mami Wata*

Steven Nelson

This seminar is an extended examination of the worlds of representation and worship informed by Mami Wata, inarguably the best known and most often depicted water spirit in Africa and the Afro-Atlantic Diaspora. In conjunction with the Fowler Museum exhibition, *Mami Wata: Arts for Water Spirits in Africa and Its Diasporas*, opening April 6, 2008, this seminar meets among actual art objects from Africa and the Afro-Atlantic Diaspora. Using the exhibition's objects as guides for inquiry, the issues addressed include the origins of Mami Wata and her representation in Africa, the relationship of Africa to a larger world, the impact of popular culture on art-making, the representation of difference, complex relationships between art and religious practices, and the politics of making such materials the subject of a museum exhibition.

Steven Nelson is an Associate Professor of African and African American art history who came to UCLA in 2000. He is a Contributing Editor for *African Arts*, published at UCLA. He is also the author of *From Cameroon to Paris: Mousgoum Architecture in and out of Africa* (University of Chicago Press, 2007), the co-editor of the exhibition catalogue *New Histories* (The Institute of Contemporary Art, Boston, 1996), and has published numerous items focused on the contemporary and historic arts, architecture and urbanism of Africa and its diasporas, African American art history, and queer studies. He has received Postdoctoral Fellowships from the Getty Research Institute (2000-01) and Harvard University's Radcliffe Institute for Advanced Study (2004-05). He is currently working on a new book, entitled *Dakar: The Making of an African Metropolis*. Dr. Nelson earned his BA in studio art from Yale University and his AM and Ph.D in art and architectural history from Harvard University.

## **Classics 19, Seminar 1**

*The Affairs of Caesar: Sex and Politics in Ancient Rome*

Robert Gurvall

This seminar will explore the life and loves of Julius Caesar. Ancient Rome's greatest military general and most famous politician was also one of its most notorious lovers: the seducer of Roman wives, foreign queens, and even one Greek king. The seminar's focus will be the intriguing connections between Caesar's public ambitions and private passions. How did the scandals of Caesar's love life affect his political career? Did they impact his success in Rome, and did his affair with Cleopatra lead directly to his assassination and the end of the Republic? Or did these romances only add to his popularity and contribute to his enduring fame? Readings will include two ancient biographies of Caesar (Roman Suetonius and Greek Plutarch), and one modern biography. The seminar will move from classical antiquity to examine representations of Caesar in later drama, film and television, including Shakespeare's *Julius Caesar*, an Italian silent film *Giulio Cesare*, the epic *Cleopatra* (1963), and most recently the figure of Caesar in the first season of HBO's *Rome*.

Robert Gurval received his B.A. in Classics from Brown University and his PhD from the University of California at Berkeley. He has taught at UCLA since 1990, and he is a former Chair of the Department of Classics. His research focuses on issues of politics, literature, and culture in the early Roman imperial period. He is the author of the book, *Actium and Augustus: The Politics and Emotions of Civil War*, a study of the public ideology of the victory of Caesar Augustus over Mark Antony and Cleopatra. His teaching embraces a wide range of courses at all levels of instruction in Classical Civilization and Latin language and literature. He regularly participates in the Honors Collegium programs, having taught seminars on representing Cleopatra from antiquity to Liz Taylor: male identity and sexuality in ancient Rome; and the "Hollywood myth" of Ancient Rome. In 2006, he won the UCLA Distinguished Teaching Award (Eby Award), and later the same year, the American Philological Association Excellence in Teaching Award.

## **Comparative Literature 19, Seminar 1**

*Poets and Desire*

Ross Shideler

Representations of desire in poetry take many forms, and the object of desire ranges from individuals to the ideal that haunts Stéphane Mallarmé or William Butler Yeats' Byzantium and Wallace Stevens's "strain waked in the elders by Susanna." In addition to these three poets, this seminar is a reading of poems by 19th- and 20th-century European and American poets such as Charles Baudelaire, Paul Valéry, Edith Sodergran, Gunnar Ekelof, C.P. Cavafy, T.S. Eliot, and other more contemporary poets ranging from Muriel Rukeyser to Louise Glück and Alice Fulton. An emphasis on close reading of poetry, some essays will be read to illuminate the problem of desire. Seminar provides context in which students can do close readings of poetry, which will help them become more perceptive readers in general.

Ross Shideler is a Professor of Comparative Literature who works on 19<sup>th</sup> to 20<sup>th</sup> century Swedish, French, English, and American literature. He has published many articles, translations of plays by the Swedish author Per Olov Enquist, and of Swedish poets, as well as poems of his own. His books include: *Voices Under the Ground: Themes and Images in the Early Poetry of Gunnar Ekelöf*, *Per Olov Enquist: A Critical Study*; and *Questioning the Father: From Darwin to Zola, Ibsen, Strindberg, and Hardy*.

## **English 19, Seminar 1**

*The Public Huck Finn: Why We Misread Mark Twain*

Thomas Wortham

In this seminar we shall examine some of the many "adaptations" of Samuel Clemens' great novel (in print form, as well as other forms of visual and material culture, including film and television) during the last century, asking how and why popular American culture has represented this work in ways that often have very little relation to Clemens' text and imaginative vision.

Thomas Wortham is a Professor in UCLA's Department of English. His area of study is 19<sup>th</sup> century American literature and culture.

### **English 19, Seminar 2**

*The 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 pressing issues of sex, violence, and stupidity, he used his visual art to tell stories that convey moral, social, and political lessons. This seminar examines some 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 as *The Far Side*, *Calvin and Hobbes*, *For Better or For Worse*, *Dilbert*, *Doonesbury*, *The Boondocks*, and *Opus* will be discussed.

Charles Batten is an Associate Professor in UCLA's English Department. He specializes in teaching 18<sup>th</sup> century British literature.

### **English 19, Seminar 3**

*National Poetry Month- and Beyond!*

Reed Wilson

In 1996, the Academy of American Poets established April as "National Poetry Month." During this month, readings, exhibitions, and events occur throughout the U.S. "to celebrate poetry and its vital place in American culture." In this seminar, we will attend readings and events during April, May, and June, study carefully the work of poets whose voices we encounter, and discover ways to stay tuned to the art of poetry throughout the year. Enrollees must be at UCLA on the weekend of April 26-27 to attend readings at Los Angeles Times Festival of Books.

Reed Wilson teaches in the English Department and directs the Undergraduate Research Center for Humanities and Social Sciences. His poems have appeared in *The Antioch Review*, *Natural Bridge*, *Paper Street*, and other magazines.

### **Film and Television 19, Seminar 1**

*Writing Exercises for the Fit Screenwriter*

Harold Ackerman

In this seminar, students will study writing workouts at a "screenwriters gym" designed to stretch and develop writing and screenwriting skills.

Harold Ackerman is screenwriting area Co-Chair in UCLA's Film and Television Department. His is a published writer of fiction and poetry, and a produced playwright and screenwriter.

### **Film and Television 19, Seminar 2**

*Introduction to Film Making: So You Want to Make Movies?*

Barbara Boyle

Three screenplays are read without disclosing the title of screenplay or resulting movie. Analysis and discussion will center on visual style, cast, director, music, and other essential elements used to convey tone and message of a movie made from script. Films actually made from screenplays are then shown so that the relationship between the literary (screenplay) and the visual (film and all its components) is understood. This seminar will also introduce a glossary of basic film industry terms. Three feature length motion pictures will be viewed.

Barbara Boyle is a Professor and Chair in the Department of Film, Television & Digital Media, and a film and television producer. Boyle's credits include *Phenomenon*, *Instinct*, *Bottle Rocket*, *Eight Men Out*, *Mrs. Munck*, and *The Hi-Line*. Her company, Sovereign Pictures, has financed and distributed internationally 25 films, including *My Left Foot*, *Cinema Paradiso*, *Reversal of Fortune*, *Impromptu*, *Hamlet*, and *The Commitments*. Sovereign's films were nominated for 14 Academy Awards and have won four. While president of Valhalla Motion Pictures, the company produced 22 episodes of *Adventure, Inc.*, the documentary *True Whispers*, and the feature films *Clockstoppers*, and *The Hulk*. She serves on the board of Project: Involve, and is a past president of IFP/West and Women In Film. Boyle has received the Crystal Award and the Alumni of the Year from UCLA Law School.

### **Film and Television 19, Seminar 3**

*Introduction to Documentary Film*

Marina Goldovskaya

This seminar is an introduction to the rapidly developing genre of documentary film. In past decade, big changes have taken place in this field: non-fiction films are not only shown on television, but also screened theatrically. It is now evident that the documentary film not only informs and educates, but also is a unique art form that is especially powerful since it tells true stories with real characters. The documentary as an important medium in the exploration of social issues, provoking active dialogue in society. The growth and development of non-fiction as directly connected with the digital revolution. This seminar asks if films matter, can they make a difference, and, if so, in what ways? Five recent documentary films will be screened and analyzed, whereby the students are exposed to the most innovative and inaccessible documentaries, helping to broaden their world view and evoke interest in the exciting world of contemporary non-fiction cinema.

Professor Marina Goldovskaya is a filmmaker with 34 documentaries to her credit. She is a director, producer, cinematographer, and a script writer. Russian by origin, she came to the United States in 1992. During her long teaching career, she taught in Moscow State University, UCSD, Vassar College, and Cal State Northridge. Since 1995, she has been running the documentary program at the UCLA Department of Film, Television and Digital Media. She continues her filmmaking career, producing, shooting, and directing films for European, American, and Russian Television.

### **German 19, Seminar 1**

*Science Fiction and Religion*

Robert Kirsner

The "father of psychoanalysis," Sigmund Freud, viewed religion as an illusion, therefore, antithetical to science. Science fiction author Ursula LeGuin characterizes science fiction as a thought experiment: not a prediction of the future, but a description of current reality. This seminar is an exploration of the use of religious motifs and depictions of religion often found in science fiction. What do religion or religious themes contribute to science fiction? What attitude or attitudes toward religion are found in science fiction? What do we learn from the human construction of "lifeways" (such as religions) and the incorporation of, or reference to, these lifeways in human thought experiments constructing possible worlds and possible civilizations? Exploration of these questions and others through readings about religion and readings in important works of 20<sup>th</sup> century science fiction.

Robert S. Kirsner is a Professor of Dutch and Afrikaans in UCLA's Department of Germanic Languages, where he teaches the two languages, the literatures written in them (from Holland, Belgium, the Caribbean, and South Africa), and also a course on Linguistic Theory and Grammatical Description. His research focuses on functional, discourse-based, and cognitive approaches in linguistics, emphasizing the use of empirical quantitative data in analyzing grammatical structures. He is most interested in the interaction of grammar and intonation.

## **Music History 19, Seminar 1**

### *Music in the Films of Alfred Hitchcock*

Mitchell Morris

Alfred Hitchcock (1899-1980) was one of the most influential directors in the history of film. Specializing in suspense and thriller genres, his work is notable for balancing immense commercial popularity and critical esteem in equal measure. An important part of Hitchcock's success as a director came from his ability to draw upon a huge variety of music resources, the most famous of all was his extended collaboration with the great Hollywood composer Bernard Herrman. In this seminar, students will view and discuss a selection of Hitchcock's most successful films in light of the ways that music (both on- and off-screen) contributes to the brilliant tension of the film's action. No prior knowledge of musical terminology or technical language is required- it will be introduced as part of class work.

Mitchell Morris is an Associate Professor in the Department of Musicology, where he specializes in a wide range of music: American popular song, film music, Wagner, gender and sexuality, musical representations of nature, and problems of musical ethics. He won a Distinguished Teaching Award in 2003.

## **Scandinavian 19, Seminar 1**

### *Runes*

Kendra Willson

In this seminar will discuss the origin, development, and use of the runic writing system over time. When, where and how were the runes invented? How do they relate to other writing systems? Also considered is the transformation of the 24-character elder "futhark" (runic alphabet) to the 16-character younger futhark and its variants and the development of Anglo-Saxon runes, as well as the nature and purposes of runic writing- what kinds of messages were written in runes on what kinds of objects? What was the significance of writing in the early Germanic world? How and why did runes continue to be used after the Latin alphabet reached Scandinavia? How have modern scholars learned to read runic inscriptions? In addition, students will examine the association between runes and magic and various types of significance which have been ascribed to runes in modern times.

Kendra Willson is an Associate Professor who received her doctorate degree from UC Berkeley in 2007. She does research in the history of Nordic languages, especially Icelandic; grammaticalization and diachronic syntax; nickname formation; language politics and standardization; name law; and Old and Modern Icelandic literature. She has taught elementary Swedish and reading and composition courses on the themes of sagas, Vikings, ghosts, and bears.

## **South Asian Languages 19, Seminar 1**

### *The Languages of India*

Gregory Schopen and Gyanam Mahajan

This seminar will introduce students to the languages of the Indian subcontinent. India is a rich area for languages and students will study the typological classifications of the languages. There are four language families and the linguistic features associated with the languages of these families will be examined. Students will be introduced to the notion of "India as a linguistic area," and also study the language contact through the centuries. The seminar will then focus on the Indic languages and trace the development of modern Indic languages from Sanskrit. We will also discuss the concept of diglossia or high/low varieties of South Asian languages.

Gregory Schopen is a Professor and Chair of the Asian Languages and Cultures Department at UCLA, and specializes in South Asian Buddhism and Sanskrit.

Gyanam Mahajan is a Lecturer in the same department.

## **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 writings include the books *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**

*The Ecology of Crime*

Paul Brantingham

Crime thrives in large urban settings, leading one to think of it as a natural and normal feature of modern life. This seminar examines the causes of crime from an ecological perspective, asking questions about the role of environment and the behaviors of criminal offenders, victims, and law enforcement in the generation and control of crime patterns. Specific topics include minimal constituents of crime, criminal foraging, crime niche, crime and competition, and evolution of criminal strategies. Discussions will emphasize parallels between crime and examples will be drawn from classical ecology.

Paul Brantingham is an anthropologist interested in the ecology and evolution of hunter-gatherers. He conducts archaeological fieldwork in Tibet and runs a collaborative project on the mathematical and simulation modeling of crime at UCLA.

### **Anthropology 19, Seminar 3**

*National Boundaries: Lines of Identity, Lines of Conflict*

Monica L. Smith

We are all familiar with a map as a series of bounded, color-coded spaces. But surprisingly, not all countries have a clearly-defined border. Unsolved border disputes flare up as geopolitical issues, but also affect economic and social realms. This seminar is a review of some of these border disputes and what it means to be a territorial nation. What happens when two or more nations claim the same piece of land? What happens when territoriality is exercised by proxy? (For example, who owns the moon? Who owns Antarctica? How much of the sea should any nation control?). What is the

tipping point for territorial conflict, and how should those conflicts be resolved? How do cultures transcend borders, and how do borders and boundaries create identity?

As an archaeologist, Monica Smith has studied the topic of ancient boundaries as a component of early civilizations. Her fieldwork in different countries, often on two sides of the same border, has highlighted the modern-day reality of border disputes as well. Students are invited to consider how borders and boundaries in the modern world are cultural, economic and political phenomena and more than just "lines on a map."

### **Asian American Studies 19, Seminar 1**

*Performance, Popular Culture, and the "Vote"*

Lucy Burns

From the U.S. Women-Suffrage Movement's use of cartoons, postcards, and "Votes for Women" sewing accessories, to the 2004's "Vote or Die" campaign led by Sean "P. Diddy" Combs, the interplay between performance, suffrage and popular culture has been long and dynamic. This seminar focuses on the use of performance and popular culture in U.S. voting campaigns such as the presidential, women's, and African American suffrage movements. Much of the focus of this seminar will also be on the current presidential election, which many have already noted as "historic." Seminar activities include viewing films, analyzing various campaign ephemera, and discussions of readings and viewings, with the emphasis on student participation in the discussions.

Lucy Burns is an Assistant Professor in the Department of Asian American Studies and also teaches courses in the Department of World Arts and Cultures. Her teaching and research interests include race and gender in American protest theater and performance, culture in social movements, and contemporary plays on race. She is also active in several Asian American theater projects through her scholarship, organizing, and dramaturgical work.

### **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.

### **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**

*Winner's Curse in Common Value Auctions*

Hugh Hopenhayn

This seminar will explore the well-known phenomenon of "winner's curse" when people bid in certain kinds of auctions. Winner's curse occurs when a person who won at an auction wishes he had not won. Since many other interesting phenomena have the same basic structure as common value auctions, insights learned about auctions in the laboratory have significance for other areas where unhappy winners are important, such as in political contests and voting behavior, jury decisions, and companies racing to discover and patent an invention.

Hugh Hopenhayn received his PhD in economics from the University of Minnesota in 1978, was on the faculty of Stanford University, Universidad Pompeu Fabra, Universidad Torcuato di Tella, and Rochester University, before coming to the UCLA Economics department in 2003. He specializes in microeconomic theory, contract theory, macroeconomics, and industrial organization. His research interests include the study of labor markets, contracts, industry dynamics, auctions, and innovation. Professor Hopenhayn has published extensively in professional economics journals.

### **Education 19, Seminar 1**

*The Gender Gap in College: How and Why Does College Differ for the Two Sexes?*

Linda Sax

This seminar examines how college women and men differ in terms of their academic backgrounds and self-confidence, health and well-being, connection to their families, career goals, and community orientation. Discussions focus on what impact gender differences in these areas have on student development and campus programming. Students in this seminar are expected to contribute to discussions by drawing from readings and from their own experiences. The seminar seeks to create an environment where both women and men feel comfortable sharing diverse range of viewpoints and experiences.

Linda Sax is an Associate Professor of Higher Education in the Graduate School of Education & Information Studies at UCLA. Her research focuses on gender differences in the college student development, more specifically on how institutional characteristics, peer and faculty environments, and forms of student involvement may differentially affect male and female college students.

### **Education 19, Seminar 2**

*Transfer Talk: Understanding the Transfer Experience*

Kristen McKinney

Students who transfer into UCLA make up 40% of the undergraduate population and often have concerns and issues that differ from direct-entry students in areas of intellectual, social, personal, emotional, and career development, among other areas. This seminar will explore many elements of the transfer experience both nationally and at UCLA, including transition and adjustment; involvement in the campus community; transfer student development; and balancing multiple demands. Students will consider theory and research on transfer students and relate it to their personal experiences. This seminar provides a space for transfer students to learn about the various issues that impact their curricular and co-curricular experiences, while also building relationships with faculty, staff, and peers in order to enhance their college experience.

Kristen McKinney is the Assistant Director for Student Development Health Education and holds a lecturer appointment in UCLA's Center for Health Sciences. Her ongoing research and professional interests center on student development, particularly identity development, as well as aspects of mental and physical health.

## **Geography 19, Seminar 1**

*Space Imaging of the Earth's Environment*

Lawrence Smith

Exciting new satellite technologies are now being used to study Amazon deforestation, hurricanes, climate change, natural disasters, melting of polar ice caps, and other dynamic phenomena. On other planets, orbiting satellites and landing probes and rovers are also opening our eyes to completely new worlds. Digital images obtained by these technologies represent one of the fastest growing applications in environmental science. This seminar is an introduction to this exciting field.

Following an introductory slide show at UCLA, a visit to NASA's Jet Propulsion Laboratory in Pasadena is scheduled.

Laurence Smith joined the faculty of UCLA's Department of Geography in 1996, upon completion of the Ph.D. in Earth & Atmospheric Sciences at Cornell University. He received a joint appointment with UCLA's Department of Earth & Space Sciences in 2000, and earned tenure in 2002. His current interests include Arctic hydrology, glaciology and satellite remote sensing, particularly using SAR and SAR interferometry. His recent projects include the study of the climatic sensitivity of Arctic Russian rivers, field and interferometry studies of glacier outburst floods in Iceland, satellite-based studies of lake dynamics, river flooding and ice breakup in Arctic Russia, and a major field and remote sensing study of Holocene carbon cycling in West Siberian peatlands.

## **History 19, Seminar 1**

*Arabs, Berbers, and Africans or Politics of Race across the Great Divide*

Ghislaine Lydon

Africa is viewed as a continent divided between the north and regions south of the Sahara Desert. There is an erroneous assumption that Africa is further separated along religious lines, between "Muslim" North Africa and "Christian" Sub-Saharan Africa, while African Jews tend to be ignored. The first Arab geographers described areas south of the Sahara as "the land of the blacks" (Bilad al-Sudan) to discriminate between Africans so as to set apart "Blacks" from "Arabs" and "Berbers." Centuries later, the notion that Africa is peopled by three culturally distinct groups prevails. This seminar is a forum for discussion of how the African continent has been invented and reinvented across the ages. Exploration of dominant discourses about race on either side of African divide, and consideration, through readings supplemented with documentaries, how this gets played out in the politics of interpretation in certain current events, such as the war in Darfur (Sudan).

Ghislaine Lydon spent most of 2007 teaching African history on a Fulbright Scholar Exchange grant at the University of Sana'a, in the Republic of Yemen on the Southern Arabian Peninsula. It was an eye-opening experience that exposed him to the profound ignorance and blatant racism prevailing in this country, not just among the general public, but also among university faculty as well. Despite Yemen's physical, cultural, and historical proximity to East Africa, discrimination is rampant, as is the labeling of blacks as "slaves." Aside from Yemen, he also resided for two years in Mauritania, a Muslim country in Western Africa which is the subject of his forthcoming book to be published by Cambridge University Press. He has often been asked to explain the racial politics of this country where slavery was abolished for the fifth time just this past year.

## **History 19, Seminar 2**

*Plato's Republic: Property, Equality, and Knowledge*

Teofilo Ruiz

A close reading and discussion of Plato's *Republic*, the first utopian work ever written. Emphasis on issues of property, equality, gender differences, and knowledge as presented in text.

A medievalist by training and the author of eight books and numerous articles, Teofilo Ruiz is former chair of the UCLA Department of History, and author of nine books and over forty articles. His field of research is late medieval and early modern Spain, but he has taught undergraduate courses on utopias for many years. Every summer, he leads UCLA students through a month of lectures and walking tours in Paris.

### **History 19, Seminar 3**

*The Spectacle of Flight: How Aviation Transformed Western Culture*

Robert Wohl

It is generally understood today when the majority of us have access to airplanes as a source of transportation and are condemned to fly whether we like it or not, that powered flight was at first experienced as an aesthetic phenomenon, and that during its first four decades, most people experienced flight vicariously, primarily as a public spectacle. This seminar will explore some of the many ways that powered flight transformed Western culture during the 20<sup>th</sup> century. It will consider the impact of aviation in literature, visual arts, design, architecture, advertising, music, and mass entertainment, especially radio and film. In addition to assigned readings from two books by the instructor; students will watch and discuss documentaries such as *Lindbergh's Great Race* and William Wyler's *Memphis Belle*; Walt Disney's first Mickey Mouse cartoon, *Plane Crazy*; and feature films such as Howard Hawks' *Only Angels Have Wings*. Students will also listen to excerpts from Bertolt Brecht's *The Lindbergh Flight*.

Robert Wohl is a Distinguished Professor of History at UCLA, where he has taught for over four decades. The holder of a B.A. from UCLA and a Ph.D. from Princeton, he specializes in modern European intellectual and cultural history and is generally recognized as a pioneer in the cultural history of aviation. In addition to *A Passion for Wings* and *The Spectacle of Flight*, he is the author of many books and articles, among them *The Generation of 1914* (Harvard University Press, 1979), which won the American Book Award for history. He was a Guggenheim Fellow in 1979-1980, a Senior Getty Fellow in 1993-1994, and subsequently served as the Charles A. Lindbergh Professor at the National Air and Space Museum in 1994-1995.

### **Honors Collegium 19, Seminar 1**

*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 2**

*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 3**

*How to Stop Just 'Googling' and Find the Really Good Stuff!*

Esther Grassian

4,890,000 results! This is what you get when you search HUMAN AGING in Google. A search for "HUMAN AGING" brings the results down to 159,000. That helps, but even with just hundreds of search results, important questions remain: Are these items accurate, complete, authoritative, and up to date? What is their purpose and point of view? Who is the intended audience? General web search tools like Google find freely available sites in the "visible web." Some are useful, while others are not. Hiding in "invisible web" databases are scholarly journal articles, book chapters, and other scholarly materials. The UCLA Library subscribes to many hundreds of databases including "PsycINFO" (licensed/subscription), "MLA [Modern Language Association] Bibliography" (licensed/subscription), and "PubMed" (free), listing scholarly research materials which may support or refute what you find through general Web search tools. This course will help you save time, save money (by learning how to get articles for FREE), prepare better papers, and become more powerful information researchers.

Esther Grassian developed and has taught "Information Literacy & Research Skills" (EC 123) in the UCLA Writing Programs as a lecturer. She also co-developed and teaches "Information Literacy Instruction: Theory and Technique" (IS 448) in the GSE&IS, Department of Information Studies also as a lecturer. In addition, she has served as the Information Literacy Outreach Coordinator and a reference librarian in the UCLA College Library, where she has held various positions since 1969. Her publications include two co-authored books, *Information Literacy Instruction: Theory and Practice* (2001), and *Learning to Lead and Manage Information Literacy Instruction* (2005), as well as articles, including *Do They Really Do That? Librarians Teaching Outside the Classroom*.

### **Honors Collegium 19, Seminar 5**

*The Black Student Experience at UCLA*

La'Tonya Rease-Miles

This seminar examines the social, academic, and political concerns facing Black Bruins, and explores how Proposition 209 has affected the UCLA black student community. It asks the question, how can students affect change at UCLA? The seminar features invited guest speakers from the Office of Residential Life, campus administration, and alumni.

La'Tonya Rease Miles is Associate Director of AAP and Director of the AAP Mentoring Programs.

### **Information Studies 19, Seminar 1**

*Writing Women's Lives*

Mary Niles Maack

An exploration of the ways in which women's lives have been portrayed in different times and contexts, this seminar looks at memoirs and autobiographies by women, as well as biographies written about them. We will discuss feminine/feminist identities expressed in these works, and will consider issues such as self-presentation, culture and personality, gender constraints, and the changing nature of biographical narrative. Through discussion and individual readings, students will become more adept at critical thinking as they consider issues involved in writing biography or autobiography. Students also become acquainted with lives of a few outstanding women and with trends that have shaped nature of biographical writing.

Mary Niles Maack has been a faculty member at UCLA since 1986. She teaches in the Information Studies Department, and for three years she also taught an undergraduate Women Studies' course on women in the professions. Her research interests include comparative studies, gender issues in the professions, and biographical research. She has given papers and published biographical articles on women in the United States, France, Italy, and Britain.

## **Information Studies 19, Section 2**

### *Records, Redress, and Reconciliation*

Anne Gilliland

An exploration of the concept of records as instruments of power and empowerment, this seminar draws on examples of how records were originally created and used and have been subsequently used as witnesses in redress movements and truth-and-reconciliation commissions. Examples include the Third Reich's meticulous records of Jewish lineage of peoples in Nazi-controlled countries, as well as transportation and camp activities; the use of racial classifications in recordkeeping to enforce apartheid in South Africa; the maintenance of informant files by the Stasi in Communist East Germany; and the deliberate obliteration in record of identities of indigenous children (the so-called "stolen generation") removed by government from their families and placed in white institutions and homes in Australia. The same documents created to oppress can later be used as evidence to redress genocide, war crimes, and discriminatory practices, and to re-establish identity.

Anne Gilliland is Professor and Chair of UCLA's Department of Information Studies. Her research and teaching interests focus on archival record-keeping and memory studies. She has conducted research all over the world and is currently working on a project that is looking at the intersection of memory, technology, and recordkeeping in local and indigenous communities around the Pacific Rim.

## **Information Studies 19, Seminar 3**

### *Voices of Color in Children's Literature*

Virginia Walter

Students in this seminar will read and discuss recent distinguished books by African American, Asian American, American Indian, and Latino authors.

Virginia Walter is a published author of two children's books. She has taught children's literature at UCLA since 1990 and is active in the children's literature community.

## **Information Studies 19, Seminar 4**

### *"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/jrichareson](http://purl.org/net/jrichareson)

## **Management 19, Seminar 1**

### *Modern Project Management*

Bennet Lientz

Look around you and what do you see? Projects. You cannot accomplish major things without projects. Most graduates become involved in projects and project management as it is a key vehicle for improving work, processes, and organizations. This seminar will explore modern techniques of project management. Topics include examples of project failure and success and elements of project success; how to define a project; how to establish a project plan; monitoring work in projects; evaluating project milestones; establishing effective project teams; closing projects. Issues encountered in projects are discussed in teams: work, project leaders, methods and tools, quality, organization involvement, multiple projects, and other areas. Examples considered in engineering, business, medicine, science, construction, real estate, and other areas. No technical background is required for this seminar.

Bennet Lientz is a Full Professor in Information Systems in the UCLA Anderson School of Management. He has been an IT manager for seven organizations of up to 200 people. He has served as a consultant and manager for over 80 major projects in business and IT. He has written over 35 books and over 50 articles in areas relating to IT, project management, and systems, 'turning around' over 40 failing projects.

### **Management 19, Seminar 2**

*The Entrepreneurial Process*

Hans Schollhammer

This seminar examines the important aspects of starting a new business venture and directing its early development. It will familiarize students with the crucial stages or milestones in the entrepreneurial process, especially identification and evaluation of new venture opportunities, legal structure and organization of new business, development of business concepts and business plans, approaches to venture financing, teambuilding, staffing, and marketing considerations in new venture context. Attention will be paid to the characteristics of successful entrepreneurs and to analytic tools or techniques to establish the feasibility of a venture.

Hans Schollhammer is a Professor in the Anderson School of Management with research and teaching interests in two interdisciplinary areas: entrepreneurial studies (including corporate entrepreneurship and the management of innovation) and decision-making in the context of multinational firms.

### **Management 19, Seminar 3**

*History of the Future of Technology*

Martin Greenberger

Technology is the application of scientific and engineering knowledge to the world of practical affairs, comprising a totality of tools with which we live our lives. How will technology change in the years ahead? This question should be of concern to almost everyone, especially students now embarking on their most creative and productive years. Imaginative leaps forward to the 2020's, a time period likely to be as technologically eventful and exciting as the 1920's were culturally, artistically, and socially. Culture, art, and social interaction are not divorced from technology, but intertwined and ignited by it. Consider the impact automobiles, movies, radios, chemicals, and telephones had in the Roaring Twenties. The digital computer, making its appearance in mid-20th century, has led to the iPod, iPhone, and much more. This seminar asks what the legacy of these innovations and trendsetters will be, and how we will get from there from here.

Martin Greenberger is an IBM Professor of Technology and Information Systems in the UCLA Anderson School of Management

### **Sociology 19, Seminar 2**

*The Sociology of Cinema: Hit Movies, 1920 to 2007*

David Halle

This seminar is an examination of the relationships between dominant themes in hit movies and features of American society at the time the movies were released. Study of main topics and themes in hit movies and investigation of ways in which these topics and themes resonated with society in that period. Special interest in how central topics/themes in these movies change from one period to next (if they do), and in figuring out how these changes relate to changes in America politics, society, and culture (if they do).

David Halle studies popular culture. His most recent book is *New York and Los Angeles: Politics, Society and Culture* (University of Chicago Press, 2003).

### **Sociology 19, Seminar 3**

*Chinese Immigration and the New Second Generation*

Min Zhou

Designed as an introduction to contemporary Chinese immigration, this seminar will examine how historical events and cultures in the homeland and American society, patterns of social relations, and ethnic and host social structures, have interacted to affect the process of adaptation and life changes of Chinese immigrants and their offspring. In this seminar, students will become more aware of the social forces that bind Chinese immigrants and their families together, the dynamics of social institutions in ethnic community and in larger society which mediate between individuals and their increasingly complex physical environment, and determinants of status attainment. Through the study of a particular immigrant group, students will understand better the various structural and cultural factors that affect the process of immigrant adaptation. Students will also see more clearly the invisible threads which connect Chinese immigrants with other immigrants.

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 also done work in housing reform and internal migration (including schooling of migrant children) in China and intra-Asian migration. She has also done work in housing reform and internal migration (including schooling of migrant children) in China and intra-Asian migration. She is the author of *Chinatown*, co-author of *Growing up American*, and co-editor of *Contemporary Asian America and Asian American Youth*.

## **SCIENCE & TECHNOLOGY**

### **Astronomy 19, Seminar 1**

*The Final Frontier: Is the Promise of Space Worth the Cost?*

Jean Turner

"Space exploration is cool, and deficit moaners are nerds." Such is the opinion of Homer Hickam, author and protagonist of *Rocket Boys*. Space and money: how much do we spend on space? What do we get out of it? We live in the space age now, like it or not, and space exploration is a reality. But space exploration costs money. In this seminar, we will examine how much Americans spend on space, exploration both manned and robotic, and on space science in general; and what we get out of it. We will consider the achievements of Americans in space. We will examine the federal budget to see what Americans spend money on, and how much, and the percentages of the budget allocated to NASA and the National Science Foundation. We will examine the other ways in which Americans spend their discretionary income. By the end of the seminar, we will each be able to address the question, "Are we headed the right direction in space?", or, perhaps, "Where's my jet pack?"

Jean Turner got her A.B. from Radcliffe College and her Ph.D. from UC Berkeley. She has been in the Division of Astronomy and Astrophysics at UCLA pretty much ever since, but has never particularly wanted to be an astronaut.

## **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 through to the present. 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 USA in 2002.

## **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.

## **Ecology and Evolutionary Biology 19, Seminar 1**

*Anachronisms, Adaptive Lab, and the Future of Evolution*

Robert Wayne

In this seminar, students will explore the nature of adaptive response to climate change and discuss the presence of "anachronistic" traits in living species. It was first recognized in some tropical trees species that fruits were much too large to be dispersed by extant herbivores, suggesting that large fruit was an adaptation for past epochs when large mega-herbivores, such as mammoths and ground sloths, roamed the New World. Similarly, many species today have not adapted to recent climate changes while others have, suggesting an adaptive lag and the emergence of anachronistic traits. Students will read the seminal book on the subject, *The Ghosts of Evolution*, as well as several recent studies that document the success or failure of species to adapt to changing environments.

Robert Wayne uses molecular genetic tools to address questions in animal evolution, ecology, behavior and conservation. He received his Ph.D. from John Hopkins University and did a post-doc at the National Cancer Institute. He is a full professor at UCLA and has been on the faculty since 1991.

## **Ecology and Evolutionary Biology 19, Seminar 2**

*The Future of Life on Earth*

Ken Nagy

The earth is becoming less able to support life as we know it, and this change is happening faster than expected even just a few years ago. The number of humans on Earth is expected to increase from 6 billion to 10 billion this century, but Earth's resources needed to support these people are not increasing, and some are even declining due to consumption. This seminar is a discussion of small new book by James Lovelock, *The Revenge of Gaia*, which describes this situation and suggests solutions.

Ken Nagy has been a UCLA faculty member for 35 years. He became an Emeritus Professor and a Research Professor at UCLA after retiring in 2006. He won two Distinguished Teaching awards at UCLA, and is a three-time Fulbright Fellow, being sent on research and teaching trips to several countries in both southern and northern Africa. He has published over 160 research articles, reviews, books and book chapters, mostly on the physiological ecology, behavior, and conservation of wild animals (mainly those living in desert and Antarctic habitats). His current research is on the conservation biology of the Threatened Desert Tortoise in the Mojave Desert of California.

## **Honors Collegium 19, Seminar 4**

*How Drugs are Made*

Mike Gresser

Seminar focuses on therapeutic, not recreational, drugs. In spite of dramatic scientific advances, such as sequencing of the human genome, and in spite of increasing investment in research and development by pharmaceutical and biotechnology industries, creation of new therapeutic agents has become slower and more expensive. We will examine the process of making new therapeutic agents. Consideration to analysis of competitive landscape to assess market opportunity for new therapeutics to treat target patient population, carrying out meaningful clinical trials, and getting new therapeutic agents approved. The objective of this seminar is to inform students of the opportunity to participate in and contribute to improvement of process for making new therapeutics, and to acquaint them with some of many skill sets needed by those interested in leading or participating in teams which make pharmaceutical drugs.

After earning a Ph.D. in Biochemistry at Brandeis and doing postdoctoral training at UCLA, Mike Gresser worked as a researcher and teacher at Simon Fraser University, then as a researcher in the pharmaceutical industry at Merck Frosst Canada where he was Executive Director of Biochemistry and Molecular Biology, and in the Biotechnology Industry at Amgen Inc. where he was Vice President, Research. Currently, Mike is a visiting scholar at UCLA, and works as a consultant to the Pharmaceutical and Biotechnology industries with Clarity Therapeutics Consulting: [www.claritytherapeuticsconsulting.com](http://www.claritytherapeuticsconsulting.com). Mike was part of the team that created Vioxx, Singulair, and other therapeutic agents.

## **Medicine 19, Seminar 1**

*The Magic of Medicine*

Neil Parker

Extraordinary discoveries, surgeries, and medical procedures lauded in news media and medical journals frequently occur at UCLA Medical Center. This seminar is an introduction to the faculty, clinicians, and research scientists who are on the cutting edge of research and methods of clinical treatment. Often, their research and methods help shape the direction of medicine and health care. Students meet these illustrious clinicians and research scientists in a setting that allows them to talk about their areas of expertise. Each meeting is two-hour session with esteemed faculty, clinicians, and research scientists, which can be significant inspiration to students interested in medicine and research.

Neil Parker is a Professor of Internal Medicine and Senior Associate Dean in the David Geffen School of Medicine at UCLA. Dr. Parker completed his undergraduate studies at Brooklyn Polytechnic Institute in chemistry, attending medical school at SUNY, Downstate in Brooklyn before coming to UCLA for his postgraduate training. His internship and residency were at UCLA. He joined the faculty at UCLA in 1977 as Chief Resident in Medicine and was appointed

Associate Dean of Graduate Medical Education in 1991. In 1996, he became Senior Associate Dean for Student Affairs and Graduate Medical Education. He has earned numerous awards throughout his career, including the AOA, the Outstanding Fulltime Faculty Award, and the UCLA Medical Staff Service Award.

### **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.

### **Nursing 19, Seminar 1**

*Who Wants to Live to 100? Aging in the 21st Century*

Janet Mentes

This seminar will explore what is currently known about human aging and longevity and put it in the context of personal and family aging concerns. We will tackle questions such as, When are we old? It is fine to grow old, but do I have to get sick? What about antiaging medicine? How can I plan for my parents or my own aging? By the end of the seminar, students will have an appreciation of aging trends, stereotypes, common illnesses, and strategies for healthy aging.

Janet Mentes is a nurse researcher and practitioner specializing in gerontology. She has taught aging coursework to nursing and social science students for 20 years. Her exploration of and personal experience with aging have led her to the belief that healthy aging begins much earlier than age 65. Health and personal habits that are developed over a lifetime can affect personal aging and it is never too early to plan for a healthy old age.

### **Pediatrics 19, Seminar 1**

*Being a Doctor to Children with Heart Problems: Diagnoses, Treatment, and Physiology*

Gregory Perens

Led by two UCLA faculty pediatric cardiologists, this seminar is a discussion of, and first-hand experience with, pediatric heart patients. Examined are the procedures for evaluating and treating children's congenital heart disease, echocardiograms (ultrasounds), catheterizations, patient evaluations, pathology specimens, and intensive care unit visits.

Gregory Perens is an Assistant Professor of Pediatric Cardiology at the Mattel Children's Hospital at UCLA. He completed cardiology training at UCLA in 2006. His main areas of interest are in children's heart transplantation and echocardiography. He also participates in the UCLA Pediatric Marfan Clinic as the consulting cardiologist, and his main area of research interest is in heart transplantation.

### **Physiological Science 19, Seminar 1**

*Shall We Dance? How the Brain Controls Movement in Health and Disease*

Scott Chandler

When we get up to dance, shake someone's hand, or perform most movements, our brain performs flawlessly, allowing us to perform our task. However, as a result of injury to the brain, spinal cord, or genetic defect, such movements are difficult or impossible to perform. In this seminar, we will investigate how the brain controls movements during health and disease states.

Scott Chandler is a Professor of Neuroscience in the Department of Physiological Science. He is current Chair of the Undergraduate Neuroscience Interdisciplinary Program. He has received a number of distinguished teaching awards. His current research focuses on how the nervous system is organized to produce rhythmical movements such as mastication, locomotion, or breathing. He is an avid sports and nature photographer.

### **Physiological Science 19, Seminar 2**

*Biological Chronometry*

Gene Block

This seminar will focus on how organisms generate and employ internal timing signals with periodicities matching major environmental cycles. Such timers, commonly referred to as “biological clocks,” create a kind of “day” within, controlling a myriad of physiological and behavioral functions, from daily sleep-waking rhythm to seasonal reproduction, to molecular and cellular rhythms in neural and non-neural tissues. An exploration of the ways in which biological clocks, synchronized to solar, lunar, and tidal cycles, allow animals to adapt to living in marine as well as terrestrial environments.

Gene D. Block is Chancellor and Professor of Psychiatry and Biobehavioral Sciences in the David Geffen School of Medicine. Prior to his appointment at UCLA, he spent 29 years at the University of Virginia where he was the Alumni Council Thomas Jefferson Professor of Biology. His research expertise is in the area of biological clocks. From 1991 until 2002, he was the director of the National Science Foundation Science and Technology Center on Biological Timing. His laboratory was the first to demonstrate that individual neurons exhibit circadian rhythms. Most recently, his work has focused on the effects of aging on biological timing in mammals. He maintains a research laboratory within the Semel Institute which is funded by the National Institutes of Health.

### **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.

## **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 Paik 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.