

# UCLA *Fiat Lux* Freshman Seminars Winter Quarter 2009

## ART & HUMANITIES

### Chinese 19, Seminar 1

*Understanding Chinese Cultures through Keywords*  
Hongyin Tao

Analysis of George W. Bush's State of the Union addresses over his tenure as President of U.S. finds that keywords used are often quite different, for political reasons. Similarly, analysis of People's Daily editorials over time finds interesting changes in keywords used there. How do politicians of PRC and Taiwan contrast in their use of keywords? How do we characterize social cultural changes in China over past three decades with keywords? Do similar keywords evoke different social cultural connotations in different Chinese speaking communities (China, Taiwan, Hong Kong, Singapore)? This seminar will explore all of these issues and more. It will combine theoretical discussions with hands-on practices. By the end of the seminar, students should be able to apply basic text analysis techniques to understand Chinese language and culture and to help with research projects in their own fields.

Hongyin Tao is Professor of Chinese language and linguistics and applied linguistics and is also director of the Chinese language program in the Asian Languages and Cultures Department. He specializes in text analysis and language and culture, working primarily with Chinese and English language data.

### Comparative Literature 19, Seminar 1

*The Short Works of Franz Kafka, or  
How the Modern World Works*  
Kathleen Komar

An examination of the short works of one of the world's most famous and puzzling authors, Franz Kafka. Kafka has been labeled everything from Existentialist to Realist, from mystic to comic. This seminar will examine the implications that Kafka's unique perspective has for our own times. Students write three questions based on readings to shape each class discussion. Readings of several Kafka short fiction pieces including *The Metamorphosis*, *The Country Doctor*, *An Old Manuscript*, *In the Penal Colony*, *Report to an Academy*, *A Hunger Artist*, and *The Judgment*. These pieces help us understand why Kafka remains so timely despite having lived in context very different from our own.

Kathleen L. Komar is Professor of Comparative Literature and German at UCLA. She won UCLA's Distinguished Teaching Award in 1989. She served as Chair of Comparative Literature, Associate Dean of the Graduate Division, and as Chair of the Academic Senate. Komar has published on a variety of topics from Romanticism to the present in American and German literature; and she has written on the works of Hermann Broch, Rainer Maria Rilke, Alfred Döblin, Christa Wolf and Ingeborg Bachmann, among others. Her books include *Reclaiming Klytemnestra: Revenge or Reconciliation* (2003), *Transcending Angels: Rainer Maria Rilke's "Duino Elegies"* (1987), *Pattern and Chaos: Multilinear Novels by Dos Passos, Faulkner, Döblin, and Koeppen* (1983), and the collection *Lyrical Symbols and Narrative Transformations*, co-edited with Ross Shideler, (1998).

### Comparative Literature 19, Seminar 2

*Poets and Desire*  
Ross Shideler

Representations of desire in poetry take many forms, and object of desire ranges from individuals to ideal that haunts Stéphane Mallarmé or William Butler Yeats' Byzantium and Wallace Stevens' "strain waked in the elders by Susanna." In addition to these three poets, students will read poems by 19th- and 20th-century European and American poets such as Charles Baudelaire, Paul Valéry, Edith Sodergran, Gunnar Ekelöf, C.P. Cavafy, T.S. Eliot, and other more contemporary poets ranging from Muriel Rukeyser to Louise Glück and Alice Fulton. The seminar will emphasize close reading of poetry and some essays will be read to illuminate the problem of desire. This course will provide a context in which students can do close readings of poetry, which helps students 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**

*Cartoons, Folklore, and Myth*

Joseph Nagy

Examination of how popular animation of the 20th century relied upon story patterns and motifs derived from oral tradition and “literary” folklore and mythology in order to create new ideological vision, both consistent with--and deviating from--traditional cultures. Special attention paid to work of Disney and Warner Brothers animation studios.

Professor Nagy has taught in the English Department since 1978. While most of his published scholarship pertains to medieval Celtic studies, Professor Nagy has taught many undergraduate and graduate courses in comparative folklore, mythology, and popular culture studies.

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

*Origins of Identity: History and Memory in*

*Women's Poetry*

Karen Rowe

Who we are or may become originates in history, each unique by virtue of ethnic heritage, gender, sexuality, spirituality, and individual talent. In personal writings and poetry, women voice maternal stories that also recollect communal history replete with images of homelands, political struggle, and ancestral rituals. Whether reading or creating poetry, hearing or crafting stories, or drawing forth dreams, students are expected to be contributors and collaborators. By identifying and celebrating personal legacies, students learn how memory and history imprint identity, how past suffuses our present. By heeding truths gleaned from ancestral past, each woman comes to know her self and infuses her poetry with distinctive vision and voice that makes lives, both old and new, into poetic memoirs. Remember, Audre Lorde proclaims, "poetry is not a luxury" but a "litany of survival."

A Professor of English, Karen Rowe's research ranges from Renaissance and early American literatures to later British and American women writers, from continental fairy tales to women's education and curriculum reform. She was the Founding Director of UCLA's Center for the Study of Women and teaches courses cross-listed through the Women's Studies Program. She received a Distinguished Teaching Award and has been active in curriculum transformation and general education reform.

### **Ethnomusicology 19, Seminar 1**

*Music Theory through the Recorder*

Roger Savage

Would you like to learn music theory while learning to play an instrument? This seminar will focus on the practice of pieces and exercises related to music notation, keys, melody, rhythm, rounds, and harmony for students who would like to study rudiments of music theory by playing a recorder. Students also have an opportunity to write and perform short compositions. By taking practical approach to music theory, students develop foundation for reading, playing, and writing music. No prior experience required. Recorders available for purchase at nominal cost.

Roger Savage is Associate Professor in the Systematic Musicology Program. He teaches courses in the aesthetics, philosophy and sociology of music, and he has special interests in hermeneutical philosophy and music criticism. His research focuses on intersections between musical aesthetics, politics, and questions of personal, social, and cultural identity. He travels with a group of students to Venice, Salzburg, Vienna and Paris as the director for The European Musical Aesthetic Travel Study Program.

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

*The Art of Cinematography*

William McDonald

Who is responsible for camera and lighting decisions on a feature film--cameraperson? cinematographer? director of photography? All of them, for they are the same artist. Students will examine technological and artistic developments of cinematography within Hollywood film industry. Beginning with silent films and moving toward today's latest developments in digital imagery, this seminar will be a presentation of broad conceptual framework of one of the most influential art forms in history. Each session features clips from films under discussion.

William McDonald is a veteran cinematographer whose credits include dramatic and documentary films. He is head of the Cinematography Program in the School of Theater, Film and Television and is the recipient the UCLA Academic Senate Distinguished Teaching Award. As a documentary producer and cinematographer, his work has focused on portraits of writers and artists in such films as *Women of Mystery: Three Writers Who Forever Changed Detective Fiction*, and *Funny Ladies: A Portrait of Women Cartoonists*.

### **French 19, Seminar 1**

*How Tasty is My Little Frenchman*

Jean-Claude Carron

Based on the study of 16<sup>th</sup> century European discovery of cannibalism, our seminar on tolerance will essentially be an open discussion on how the encounter with the “Other” affects one’s own beliefs and behavior.

Jean-Claude Carron is a Professor of French at UCLA. He earned his Doctorat es Lettres (Ph.D.) from the University of Geneva, Switzerland and has previously taught French at the Istituto Universitario di Lingue Moderne in Milan (Italy) and at St-John's and Queen's Colleges, Oxford (UK). Professor Carron is a specialist in Renaissance studies, rhetoric, and poetry. His publications include: *Discours de l'errance amoureuse: Une lecture du 'canzoniere' de Pontus de Tyard* and *François Rabelais: Critical Assessments*. He is currently working on the history of food in the Renaissance.

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

*The “War to End All Wars” and the “Greatest War Novel(anti-war) of All Time*

Wolfgang Nehring

World War I, or as it was called, The Great War, was supposed to convince mankind that times for wars are over. Instead it lead to World War II and inspired new conflicts. Students will read All Quiet on the Western Front by Erich Maria Remarque, which was praised as greatest book about war ever. It is an intriguing human document and moving narrative about a generation of young soldiers. Seminar will include viewing and discussion of movie version.

Wolfgang Nehring has been a Professor of German for 37 years at UCLA. His expertise is German Culture and Literature from 1700 through the present.

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

*Rock Lyrics*

Thomas Harrison

An examination of some extraordinary songs (and some lesser ones) in rock history to understand role that words play in song's overall effect including how lyrics articulate times in which they were written, how lyrics fit rhythmic, melodic, and harmonic components of musical piece, how large a part they play in song's overall appeal, how they affect us emotionally, and different listeners in different ways, and what makes a rock song great. Weekly assigned listening, two to four per class, distributed in advance. Instructor supplies half

the songs; students, one each. Each student researches a song and is responsible for ten-minute presentation. Analysis devoted as much to musical structure of songs as to words serving that structure. Instructor's choices may include works of Jimi Hendrix, Pink Floyd, Bob Dylan, Frank Zappa, Joni Mitchell, and James Brown.

Thomas Harrison, a one-time member of a rock band and now a fanatical listener, is a professor of Italian. He specializes in 20th century literature, philosophy, and film. He normally teaches Italian 46, 150, and graduate courses.

### **Study of Religion 19, Seminar 1**

*Are You Saved?: Paradigms of Salvation in Judeo-Christian Tradition*

Ronald Vroon

Soteriology is the way that salvation has been conceptualized in Judeo-Christian tradition. A survey of roots of concept in sacrificial cult of post-exile Judaism and an examination of how concept evolved, beginning with comparison of Gospels and Pauline and pseudo-Pauline epistles will be discussed. The seminar will include a wide variety of conceptual frames, including notions of redemption, propitiation, justification, sanctification, satisfaction, and penal substitution. Soteriological paradigms that dominated in early church, how these were narrowed in Western Christianity through agency of Augustine and later scholastics, and how Eastern Christianity developed its own paradigms will also be discussed. Students will also examine the emergence of revised models of salvation in classic Protestantism (Calvin and Luther) and some most-modern approaches to soteriological problems, including discussing how soteriology influences political and social thought.

Ronald Vroon is a professor of Slavic Languages and Literatures who specializes in Russian literature and religious philosophy of the twentieth century

### **Theater 19, Seminar 1**

*Greek Tragedy: The Plays of Sophocles*

Anna Krajewska-Wieczorek

This seminar will focus on the ancient Greek drama in modern translation. Reading of seven extant plays by Sophocles: “Electra”, “Antigone”, “King Oedipus”, “Women of Trachis”, “Philoctetes” and “Oedipus at Kolonos” will be expounded through various aspects of Greek tragedy in the 5<sup>th</sup> century BC as Aristotle’s “Poetics” and the convention of classical Greek theatre. Scenes from famous modern productions of Sophocles’

plays (on film and video) will enhance the perception of Greek drama in the modern world.

Anna Krajewska-Wieczorek is a Professor Emerita in the Theater Department who works on classic of the European Theatre and Drama. Born and educated in Poland, she teaches courses in Critical Studies and Dramaturgy. She has published many essays on ancient drama in modern theatre productions and translated Greek and European classics, among them plays by Sophocles. Her play on Alexander the Great, “Alexander ‘pothos’” had recently its first staged reading with actors and students of Loyola Marymount University.

### **World Arts & Culture 19, Seminar 1**

*Global Summit: Inspiring Activism through the Life and Work of Dr. Paul Farmer*  
David Gere and Bridget Le Loup

In fall 2008, UCLA inaugurated new initiative called Global Summit. From its home base in Hedrick Summit residence hall, it sought to increase student awareness of global citizenship, especially problems and possibilities of thinking as citizen of one country and citizen of world at same time. This seminar takes the Global Summit concept step further by gathering together group of students to study key texts by and about Dr. Paul Farmer, co-founder of Partners in Health. Dr. Farmer is one of the most inspiring figures in the world. A trained anthropologist and medical doctor, he started his career by developing a health-care system in Haiti to address the most intractable health problems there, especially tuberculosis and HIV, regardless of education level or ability to pay. Now he has expanded his concepts to Rwanda, while continuing to consult in locales ranging from Peru to Russia.

David Gere heads MAKE ART/STOP AIDS, under the aegis of the Art|Global Health Center at UCLA. He is also faculty-in-residence at Hedrick Summit.

Bridget Le Loup is a doctoral candidate at the University of Southern California, writing on global citizenship. She is the resident director of Hedrick Summit.

## 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*.

### **Economics 19, Seminar 1**

*Winner's Curse in Common Value Auctions*

Hugo Hopenhayn

This seminar is exploration of a well-known phenomenon of the 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 or she had not

won. Since many other interesting phenomena have the same basic structure as common value auctions, insights learned about auctions in a laboratory have significance in other areas where unhappy winners are important, such as political contests and voting behavior, jury decisions, and companies racing to discover and patent an invention.

Hugo Hopenhayn received his Ph.D. 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. He has published extensively in professional economics journals.

### **Economics 19, Seminar 4**

*Bargaining, Hagglng, and Fairness Across Cultures*  
Moritz Meyer-ter-Vehn

An exploration of the nature of trust and fairness in bargaining situations through the simple ultimatum bargaining game, a game that is useful for exploring how self-interested individuals behave in bargaining situations (and many others). It has been conducted in many countries over the last decade, with the discovery that most cultures appear to have strong norms of fairness (the only exceptions are certain very primitive cultures). That is, rigorous self-interest, even in obviously commercial setting like hagglng, is rare. In addition to bargaining, some time is 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.

Professor Moritz Meyer-ter-Vehn received his PhD from the University of Bonn in 2003. He is currently an Assistant Professor in the Economics Department and specializes in game theory.

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

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

Linda Sax

This seminar will examine 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. Discussion focuses on what impact gender differences in these areas have on student development and campus programming. Students will be expected to contribute to discussion by drawing from readings and from their own experiences. This seminar seeks to create an environment where both women and men feel comfortable sharing diverse range of viewpoints and experiences.

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

### **European Studies 19, Seminar 1**

*The History and Political Economy of the European Union: Will It Elevate as a Federal State or Disintegrate?*

Ivan Berend

This seminar is an analysis of causes of the emergence of European integration after World War II. Students will learn about the progress from customs union via single market and common currency towards joint military forces. Students will examine the permanent and gradual enlargement process from a community of six to a union of 27 countries. Central problems and controversies at present and impact of European Union on history will also be discussed.

Ivan T. Berend is Distinguished Professor of History, an author of 26 books, and a member of five European academies of sciences.

### **Geography 19, Seminar 1**

*American Rivers: History of Environmental Change*  
Stanley Trimble

The objective of this seminar is to offer students a basic understanding of rivers and how human agency has changed them in the United States.

Professor Trimble has taught at UCLA since 1975. He has also taught at the Universities of Georgia, Wisconsin, Chicago, London, Vienna, Oxford and Durham. He does research and writes about the human impact on streams.

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

*How We Remember the Bomb*

Ludwig Lauerhass

The first military use of atomic bombs devastated Hiroshima and Nagasaki. It precipitated the end of World War II, and ushered in the new Atomic Age. Since then, the event has been subject to widely divergent interpretations in the U.S., Japan, and the world at large. This seminar highlights the bombing's remembrance and commemoration from 1945 through its 50th anniversary in 1995, focusing on sources from documentary and feature films to journalistic accounts, and from artistic renderings to museum exhibitions. Analysis will emphasize how debates have continued to this date, without resolution.

Ludwig Lauerhass, Emeritus Professor in the UCLA Department of History, has taught and researched widely on themes of nationalistic and national identity in Latin America and the United States. Since retirement from full-time service, he has taught annually either at UCLA, in Brazil, or in UCLA's Center for American Politics and Public Policy in Washington, DC. He is writing a book on *American Memory, Monuments, and National Identity*. This led him to a consideration of Hiroshima as a unique example of a monument.

### **History 19, Seminar 2**

*End of Empire and TV drama: Dennis Potter's "Lipstick on Your Collar"*

Gabriel Piterberg

The plot of Dennis Potter's masterpiece TV serial drama *Lipstick on Your Collar*, which aired on British television in 1993, revolves around a military intelligence unit at Whitehall amidst brewing the Suez Crisis in 1956 and Cold War. It conveys the final days of what was left of the British Empire through decadence, social cleavages through alienation between officers and rank-and-file doing compulsory national service, influence of American rock-and-roll on British society, and sexual adolescence and fantasy. Discussion brings together context (end of empire and social themes) and text (artistic and aesthetic aspects of Potter's writing and its visual dimensions).

Gabriel Piterberg studied at Tel Aviv University and Oxford and taught at Durham University (UK) and Ben Gurion University (Israel). He teaches Ottoman history and the history of Zionism and Israel/Palestine at UCLA.

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

*Abraham Lincoln Turns 200*

Joan Waugh

"Abraham Lincoln," writes a noted historian in World Book, "was one of the truly great men of all time." This 18-page account of Lincoln's life and times by professor Gabor Boritt of Gettysburg College is one of the longest biographical entries in the encyclopedia, and reflects a continuing and intense interest in the life of the 16th president of U.S. A large part of that interest springs from the dramatic nature of the Civil War (1861-1865), during which Lincoln ended slavery and reunited the North and South. His tragic assassination just days after the Confederate surrender at Appomattox plunged the country into a paroxysm of mourning, and ensured his apotheosis as a martyr for the cause of freedom and union. Students will participate in discussions and analysis of Lincoln's legacy as the country prepares to honor him in the year of his bicentennial (2009).

Professor Joan Waugh of the UCLA History Department researches and writes about nineteenth-century America, specializing in Civil War and Reconstruction. Professor Waugh's first book, *Unsentimental Reformer: The Life of Josephine Shaw Lowell* (Harvard University Press, 1998) is a biography of an important social welfare figure in 1880s New York City. Waugh has published several essays on Civil War topics and her next book, to be published in 2009 is entitled "*Ulysses S. Grant: American Hero, American Myth.*" Her most recent book (with Alice Fahs) is *The Memory of the Civil War in American Culture (Civil War America)*.

### **History 19, Seminar 4**

*Monkey Trials: Public Confrontations of Science and Religion*

Theodore Porter

Inspired by the famous 1925 Scopes trial in Tennessee as key moment in confrontation of science and Christianity in America, this seminar examines how claims of science and religion have adapted to one another since 1925, and how this has been presented to public. The play and film "Inherit the Wind" provides an especially interesting artistic portrayal of Christian fundamentalism, and students will put the film itself on trial. Students will also study and debate the 2005 trial, *Kitzmiller v. Dover*, which took up a school board's effort to require presentation of intelligent design to Pennsylvania public high school students.

Professor Porter teaches the history of science in the History Department. He is especially interested in the

public role of scientific knowledge, and how that public role reflects and shapes the practice of science. He teaches in the "modern thought" cluster, and enjoys Fiat Lux courses because of the opportunity they provide for students to take an active role in class.

### **History 19, Seminar 5**

*Honor and Shame in Clash in Civilizations and Religions*

Scott Bartchy

Honor and shame are core cultural values for vast majority of human beings, including most persons who are Muslims. Ignoring this fact has led to serious (and avoidable) misunderstandings of world events and mistakes in U.S. foreign policies, which have been based most often on western individualistic values of achievement and guilt. Reflection on values with which students were raised as well as achievement of deeper understanding of ways in which honor/shame values continue to influence self-perception, gender roles, and group practices of more than five billion people.

Professor Bartchy is the director of the Center for the Study of Religion at UCLA. His fields of interest include History of Religions and Christian Origins: Early Church History. Professor Bartchy received his M.Div. from Harvard Divinity School in 1963 and his Ph.D. from Harvard University in 1971.

### **History 19, Seminar 6**

*Animals and Culture*

Lauren Derby

This seminar will explore the relationship between animals and people from 18th century to present in Europe, Latin America, and Africa. The transformation of ideas about nature in relation to processes of industrialization as wilderness was tamed and came to be embraced by urban denizens, and animals came to be seen as repositories of mystery and fascination rather than fear. Students will explore perceptions of animals in zones of intimate contact and interdependency in husbandry and hunting cultures. The seminar draws on work by environmental and social historians, anthropologists, art historians, and folklorists for exploration of emergence of animal domestication and pets in Europe. The role of animals in recreational pastimes such as dog breeding, fox hunting, and cockfighting as well as techniques of magic and sorcery in Africa and Latin America will also be discussed. Requirements include discussion of article per week, and

final presentation on cultural beliefs surrounding beast of student's choice.

Robin (Lauren) Derby teaches modern Latin American history; her research has focused on the state and popular culture in the Dominican Republic and vampires in Puerto Rico. Her current project concerns rumors about shapeshifting animals in practices of magic and sorcery in Haiti and the Dominican Republic.

### **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, this seminar will analyze how individuals contribute to Los Angeles and also encourage students to become civically engaged during their college careers.

Laura C. Romero recently joined UCLA's Cooperative Institutional Research Project (CIRP) as Assistant Director. Romero serves on the City of San Fernando's Children, Youth and their Families Advisory Committee and sits on UCLA's Vice Chancellor of Student Affairs Latino Enrollment Committee. Laura was recently honored as a Distinguished Alumna by UCLA's Academic Advancement Program.

Before joining the CIRP team, Romero worked as Assistant Director of Community and Local Government Relations (CLGR) at UCLA successfully promoting its mission by collaborating with elected officials, community and corporate leaders, faculty, students and staff. She received her bachelor's, master's and doctoral degrees from UCLA.

### **Honors Collegium 19, Seminar 2**

*Navigating to Success – What the Literature Tells Re-entry Students*

Betty Glick, Tina Oakland and Christina Miller

Students between the ages of 25 and 50 who enter UCLA to complete their undergraduate degrees and who have experienced an interruption in their education of five or more years are defined as reentry students. These students have many years of career ahead of them and

will make significant contributions to their employers and communities. In addition, reentry students are often engaged in multiple roles as student, parent, partner and employee. This seminar is designed for UCLA's Osher Re-entry Scholars who are entering UCLA as junior transfers.

The seminar will provide Osher Scholars with an understanding of the adjustment process as a reentry student. Topics covered include adult learning theories and strategies, trends in enrollment and degree attainment of nontraditional students, and theories of student retention. The seminar will draw on Osher Scholars experiences in their first quarter at UCLA and will link the research on nontraditional students with campus services and programs to create a framework to assist with attaining academic success.

Betty Glick, Ph.D. serves as Assoc. Vice Provost in UCLA's Division of Undergraduate Education. She works with academic support programs for UCLA undergraduates and also serves as the Division's Chief Administrative Officer.

Tina Oakland has served in a wide variety of administrative capacities including as the Associate Director of the UCLA Career Center. Tina is currently the Director of the UCLA Center for Women & Men.

Christina Miller, Ph.D., is Assoc. Director of the UCLA Center for Women & Men and a clinical psychologist and runs the Center's Internship program.

### **Honors Collegium 19, Seminar 3**

*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 4**

*Perceptions of Americans Abroad: Discussions with Visiting Fulbright Scholars*

Ann Kerr

In the post 9/11 world, there is a greater than ever need for Americans to know more about the rest of the world and to understand how we are perceived abroad. This seminar affords students the opportunity to see ourselves as others see us by hearing visiting Fulbright scholars from around the world speak about their countries and the perceptions of America there, and have a chance to ask them questions. The scholars will speak informally for 10-15 minutes and the remainder of the time will be devoted to class discussion.

Ann Zwicker Kerr, a native of Southern California, has spent a total of 15 years living, studying, and teaching in the Middle East. She was educated at Occidental College, the American University of Beirut, and the American University of Cairo. She serves on the Board of Trustees of the American University of Beirut, the American University of Kuwait, the President's Council of EARTH University in Costa Rica, and the Advisory Board of the RAND Center for Middle East Public Policy. She is the author of *Come with Me from Lebanon, An American Family Odyssey* and *Painting the Middle East*.

### **Human Complex Systems 19, Seminar 1**

*Understanding and Managing Complex Natural and Social Systems*

William McKelvey

If there is no intelligent designer, how can we account for order in the natural world? Can the human economic system organize itself without someone in charge? How do social systems come into being, grow, and coordinate activities? Can top management arrange things so that bottom-up solutions emerge from other levels of hierarchy? New sciences of complexity address these questions in physical, biological, social, and

organizational systems. Complex systems scientists also investigate how systems and institutions can self-destruct in absence of outside forces (e.g., what stock market crashes, earthquakes, and mass extinctions have in common). Traditional science, such as mathematics and statistics, makes heroic assumptions about averages, sameness of individuals, their independent behavior, and equilibrium dynamics, while complexity science seeks more effective ways to improve organizations and social systems.

William McKelvey is a Professor of Strategic Organizing and Complexity Science at the UCLA Anderson School of Management. His current writing focuses on the philosophy of science, organization science, complexity science, agent-based computational modeling, and complex leadership. His book, *Organizational Systematics* (1982) remains the definitive treatment of organizational taxonomy and evolutionary theory. He chaired the building committee that produced the Anderson Complex at UCLA, directed over 170 field study teams on 6-month projects concerned with strategic and organizational improvements to client firms, and initiated the founding of UCLA's Center for Human Complex Systems and Computational Social Science. Recent publications include *Postmodernism vs. Truth in Management Theory* (Research in the Sociology of Organizations, 2003), *Toward a Complexity Science of Entrepreneurship* (Journal of Business Venturing, 2004), and *Why Gaussian Statistics are Mostly Wrong for Strategic Organization* (with P. Andriani). (Strategic Organization, 2005)

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

*Be the Media: Indymedia, Blogs, and "Open Source" Journalism*

Leah Lievrouw

New media technologies, from the Internet to mobile phones, are transforming the nature of news and practice of journalism. This seminar explores several new bottom-up, user-generated forms of news gathering and commentary, including independent media center or indymedia movement; open-source and citizen journalism; and other news and opinion services, such as political blogs, emerging as alternatives to or critiques of mainstream media. This series of discussions will focus on several key questions: What is the role of credibility, objectivity, balance, or fairness in the online news context? Who is a journalist, and what is reporting? How do readers make up their minds about quality of new or alternative sources of news, such as blogs, indymedia, or so-called citizen- or open-source journalism? What are

implications of new kinds of journalism for politics and public information?

Leah Lievrouw is Professor of Information Studies at UCLA. Her research and writing interests focus on the social and cultural changes associated with new media and information technologies, and since 1995 has taught numerous courses on new media and society for both Information Studies and Communication Studies at UCLA. She is the author of *Alternative and Activist New Media* (Polity, forthcoming 2009), and is co-editor of *The Handbook of New Media* (Sage, 2006) and *Benchmarks in New Media* (Sage, in press), both with Sonia Livingstone.

### **Information Studies 19, Seminar 2**

*Asians in Latin America: Constructing and Representing Community and Identity*  
Clara Chu

This seminar examines contemporary migration of Asians to Latin America dating back to the early 1800s. Since the late 1900s, increasing globalization and transnational migration is reshaping current society. Using Asians in Latin America as case in point, students will examine categories, stories, and voices that represent contemporary and historical constructions of identity and community. This examination of diverse narratives and modes of building community help students understand myriad ways in which migrants to specific locations and at particular times have been defined and considered.

Clara M. Chu is an Associate Professor at the UCLA Department of Information Studies, and affiliated with the UCLA Department of Asian American Studies. She specializes in the social construction of information systems, institutions, and access in order to understand the usage of and barriers to information in multicultural communities. As a Peruvian-born, Chinese Canadian American, her transnational and ethnic minority experiences provide her a distinctive and critical lens to examine information issues and to inform professional practice.

### **Law 19, Seminar 1**

*Ending Welfare As We Know It*  
Joel Handler

In 1996, the end of the U.S. welfare program for poor single mothers and children ended welfare as we know it. What led to this dramatic change in welfare policy and what have been the consequences for these families?

This seminar will include discussions of ideologies and values that produced crisis in welfare, changes that were made in welfare policies and practices, how poor mothers and children are surviving in decade since welfare reform, and what changes should be made in the welfare system.

Joel Handler is a Professor of Law and Public Policy, teaches Law and the Poor, a research seminar on social welfare issues, and another seminar titled Comparative Welfare States. His research interests include poverty, social welfare reform, and the European conception of social citizenship. He has been a member of the National Academy of Science's Committee on the Status of Black America and chaired the Academy's Panel on High-Risk Youth. He is a past president of the Law and Society Association. Dr. Handler previously taught at Wisconsin Law School as the George Wiley and Vilas Research Professor of Law.

### **Management 19, Seminar 1**

*An Introduction to Human Resource Management*  
Samuel Culbert, Christopher Erickson, Andrew Goldstein, William Quchi, and Diana Shih.

This team-taught course is intended to provide an introduction to managing the employment relationship in modern organizations. Topics include origins of human resource management; negotiations; diversity; pay practices; and HR and business performance. Each session will be taught by a different professor from the Anderson School of Management. Each faculty member has done extensive research in their area of specialization. For more complete information, go to: [www.anderson.ucla.edu/acad\\_unit/hrob/](http://www.anderson.ucla.edu/acad_unit/hrob/).

### **Spanish 19, Seminar 1**

*Los Angeles: Ethnicity, Architecture, and Culture*  
Teofilo Ruiz

Meetings and walks accompanied by lectures about Los Angeles' history, literary life, ethnicity, and architecture. This seminar includes a day-long walking tour of downtown L.A. and Venice canals on Saturday, February 21 from 10 to 5 p.m.

Teo Ruiz is a professor of history and presently the chair of Spanish and Portuguese. The author of nine books (with another two on their way to publication), he was just named Distinguished Teacher at UCLA.

## SCIENCE & TECHNOLOGY

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

*Invisible Universal Life in Solar System:  
from Alpha to Omega*  
David Cline

This seminar will focus on a simple, non-mathematical discussion of the current understanding of universe. Dark universe is mostly made of invisible dark energy, dark matter, and neutrinos. Evidence for these components of universe will be examined. Normal matter (that humans are made of) makes up less than 4% of universe, and stars less than .5%. Students will discuss how invisible dark matter leads to formation of galaxies and stars. Some stars in turn explode, producing neutrinos and heavy elements that constitute materials from which life originates. This is the core reason that life can exist. Complex molecular systems are also likely formed. Tracing of distribution of these heavy elements to a period five billion years ago provides a foundation for the incorporation into organic materials that eventually lead to origin of life on Earth. Discussion will include the search for life elsewhere in solar system that may involve same organic molecules.

David Cline is a Professor in the Department of Physics and Astronomy. He received his Ph.D in 1965 at Wisconsin. His major focus is on Astroparticle Physics – connecting the world of elementary particles with Cosmology and Astrophysics. Dr. Cline recently started to study the unique detection of Primordial Black Holes. These objects would have been born in the very early universe and would provide the ultimate merger of particle physics and strong gravity. These activities are supported by the DOE. Dr. Cline is also studying various types of gamma-ray telescopes for future gamma-ray Astronomy programs.

### **Atmospheric & Oceanic Sciences 19, Seminar 1**

*Space Weather: Impacts of Solar Activity on Earth*  
Richard Thorne

The sun is a variable star, which periodically develops magnetic active regions leading to solar flares and coronal mass ejections. Such solar disturbances lead to dramatic changes in Earth's environment, which affect life and modern technology. Important effects such as temporary decreases in protective ozone layer, enhanced radiation hazards to spacecraft and high-altitude aircraft, disruption to radio communication systems and GPS navigation system, and potential links to long-term climate change, discussed in elementary terms suitable for students with high-school science preparation.

Fiat Lux/W09\_List

Professor Thorne has been active in space research for over 40 years. His main interest is understanding the formation of the radiation belts of magnetized planets, and their impact on the atmosphere. He is currently involved in the NASA Living With a Star spacecraft missions to study the origin of electron acceleration in the Earth's radiation belts and the JUNO mission to Jupiter.

### **Community Health Sciences 19, Seminars 1 & 2**

*Cosmo Says You're Fat? I Ain't Down with That:  
Nutrition & Body Image LifeSkills*  
Jill DeJager & Rena Orenstein

Examination of personal, social, and environmental factors that influence college students' eating behaviors and body image. Students learn to develop individualized plans to eat well, be active, and feel good about their bodies. Students also learn practical skills with application to stress management, positive body image, and nutrition as they participate in 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**

*Current Issues in Evidence-Based Research in Dentistry*  
Francesco Chiappelli

This seminar is an introduction to the emerging domain of evidence-based research and evidence-based decision-making in dentistry. Students will examine science and methodology of research synthesis, with emphasis on systematic reviews, acceptable sampling analysis, meta-analysis, number needed to treat, intention to treat, and discordant review analysis. Students will be presented with web links and research literature in the field as it pertains to clinical decision-making in dentistry. Current issues about implementations of evidence-based dental practice will be perused and discussed. Students work in groups of 3-5, which aids brainstorming and creative thinking between class meetings.

Dr. Chiappelli obtained a master's degree from UCLA in research methods and statistics. After completing his PhD and post-doctoral fellowships at UCLA, he joined the School of Dentistry. He has taught courses on evidence-based dentistry to pre-dental, dental, graduate, and post-graduate students in the school for over a decade. He is a Professor in the School of Dentistry. He has published a Manual of evidence-based research (Nova, 2008), and several papers and book chapters on the topic. He is writing a monograph (Nova, 2009), and editing a book on the subject (Springer, 2008)

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

*Evolutionary Medicine: How Natural Selection Helps Us Understand Why We Get Sick*

Peter Nonacs

Why do we grow old and die? Why do our own cells sometimes become cancers that grow wildly until they kill us and themselves? Why are plant poisons designed to kill insects--such as caffeine, nicotine, and chocolate--some of our favorite substances to consume? Why are new and deadly diseases appearing in our hospitals? Questions like these have long puzzled medical science. Exciting new approach to these "why" questions involves application of evolutionary principles. Disease, illness, and human behavior are not seen as constant phenomena, but as having evolved and continuing to evolve through Natural Selection. Evolution is a fundamental concept that unifies all of modern biology and, perhaps very soon, modern medicine as well.

Professor Nonacs views his overall research program as being at the intersection of Evolutionary and Behavioral Ecology. He likes to explore both evolutionary 'why' questions and behavioral 'how' questions. He has explored a number of questions about the evolution of

social behavior in insects and vertebrates and his interests in animal behavior also include how social insect colonies organize themselves to efficiently explore their environments.

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

*Rise and Fall of a Blockbuster Drug*

Michael Gresser

This seminar's focus is on therapeutic, not recreational, drugs. Pharmaceutical and biotechnology companies constantly strive to create better therapeutic agents intended to improve lives of patients and generate profits for themselves. It is very challenging to make a drug which has a sufficiently favorable benefit/risk ratio to justify making it available to patients. Companies that make such drugs must promote them vigorously to ensure their prescription and purchase, while making clear risks associated with using drug. Discussion of roles and responsibilities of companies that create and market drugs, regulatory agencies which decide whether to approve them, physicians who decide whether to prescribe them, and patients who decide whether to take them. At each level, decisions concerning risk/benefit are made. Various drugs discussed, with emphasis on 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.

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

*Technology in Time of Obama*

Martin Greenberger

The promise of technology in the U.S. and the rest of world is like a map to what life will be like in the coming decades. Through reading, videos, discussion, and student presentations, this seminar will cover topics ranging from energy and transportation, to computers and communications, to health and life extension, to space settlements and climate change. The connecting

theme is what the incoming Obama administration can and is well-advised to do in promoting development and application of new technologies to help secure a safer, satisfying, and more fulfilling world.

Martin Greenberger has held the IBM chair in computers and information systems at UCLA's Anderson School since 1982. He is also senior fellow at the Milken Institute and president of the Council for Technology and the Individual, a nonprofit foundation dealing with the human dimensions of technology.

### **Molecular, Cell, and Developmental Biology 19, Seminar 1**

*Read Science Times on Tuesday, Discuss over Coffee on Wednesday*

John Merriam

Being a college graduate is not enough; life-long learning is required. The fastest way to achieve this is to read, especially a good newspaper. To get into this habit now, and to illustrate how to get information from news articles and explore student interests, students will read The New York Times' weekly science times section, printed on Tuesdays. The seminar meets to discuss, over coffee, on Wednesday. The Science Times weekly letters column provides example of give and take readers have with articles.

John Merriam is Professor and Vice Chair of the Department of Molecular, Cell and Developmental Biology. His teaching includes LS 4 (genetics) and CM 156 (human genetics). He investigates the impact that genetic variation has on phenotypes and the means to recognize and map specific variants.

### **Neurobiology 19, Seminar 1**

*Links between the Nervous and Immune Systems*

Edwin L. Cooper

This seminar explores the links between the nervous and immune systems, presenting information pertaining to various animal models, and with an emphasis on humans. The implications of these systemic links are related to the problems of aggression, stress, and perhaps chronic diseases.

Edwin Cooper received his PhD (Biology) from Brown University in 1963 and was a postdoctoral fellow at UCLA School of Medicine, in Infectious Diseases (now

Microbiology, Immunology, and Medical Genetics). He became assistant professor (1964) and Vice Chairman (1989-1993) of Anatomy (now Department of Neurobiology) and full professor 1973. He has taught immunobiology to the first dental class (1964) as chair of the first histology course medical students since 1971. Professor Cooper has lectured extensively in Latin America, Europe, Asia, and the Middle East and held visiting research appointment.

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

*Who Wants to Live to 100? Aging in the 21<sup>st</sup> Century*

Janet Mentes

This seminar is an exploration of what is currently known about human aging and longevity in context of personal and family aging concerns. Questions include: When are we old? It's fine to grow old, but do I have to get sick? What about anti-aging medicine? How can I plan for my parents or my own aging? Students will gain an appreciation of aging trends, stereotypes, common illnesses, and strategies for healthy aging.

Professor Mentes is a nurse researcher and practitioner specializing in gerontology. She has taught aging coursework to nursing and social science students for over 25 years. Her exploration of and personal experience with aging have lead 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.

### **Nursing 19, Seminar 2**

*Elders on YouTube*

Diana Lynn Woods

Have you seen how elders are portrayed on the Web? For example, a video details the interaction between an old woman and a Mercedes. There will be an examination of a variety of images of elders on Web and societal implications. Are they associated with decline, or are any associated with active, edgy life styles?

Professor Woods joined the UCLA School of Nursing faculty in 2003, where she continues to focus on promoting healthy aging. Her research focuses on the relationship between genetics, stress hormones and behavioral symptoms, in persons with dementia. In addition, she studies the effect of non-pharmacological

interventions on these behaviors. She has taught issues related to aging for the past 25 years in a variety of settings.

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

*On Human Nature: Evolution of the Human Animal*  
Alan Grinnell

Careful reading and discussion of a seminal book by one of most profound thinkers in the field of human evolution and behavior: Jared Diamond. He brings enormous knowledge and perspective to the question of why humans have evolved the way we have, physically, behaviorally, and culturally. Evolution of humans from just another large mammal (third chimpanzee) to the unique status we have in the animal kingdom. Seminar includes discussion of evolutionary forces that led to "the great leap forward" to modern man, and evolutionary explanations for some bizarre physical and behavioral human characteristics.

Dr. Alan Grinnell, Professor of Physiology and Physiological Science, is a neurobiologist with an interest in the neurobiological bases of behavior and the mechanisms of evolution.

### **Psychology 19, Seminar 1**

*See the Colors: Glimpses of What We See and How We See Them*  
James Thomas

Color provides aesthetic enrichment and a wealth of information about our environment, and our scientific knowledge of color provides a template that guides the study of many other types of perception. This seminar will explore some of the things we know about color perception and some that we do not know. We will read and discuss papers--some historical classics and some recent—including topics that address questions such as nature of color, how the eyes and brain capture color information and represent it, and how hundreds of colors can be coded by just three kinds of receptors, and how context makes our color perception more object oriented.

James Thomas is Professor Emeritus in the Department of Psychology and has taught courses in cognitive psychology and cognitive science, as well as visual and auditory perception. He is an editor of the Handbook of Perception and Human Performance and served as color editor for the Journal of the Optical Society of

American. He has made extensive use of concepts from color perception in his studies of visual pattern perception.

### **Psychology 19, Seminar 2**

*Human Aggression: Issues, Causes, Myths, and Management*  
Seymour Feshbach

The role of evolutionary and other biological factors and of social and cultural influences will be considered in this seminar. Specific attention will be given to similarities and contrasts with animal aggression, to gender differences, to mass media influences, to personality factors associated with militant national policies, and approaches to the reduction of aggression.

Professor Feshbach is an emeritus professor. His major research area has been the study of aggressive behavior. He has carried out studies bearing on the reduction of aggression, the effects of TV violence on aggressive behavior, sexual arousal and aggression, and factors influencing dovish and hawkish attitudes towards war. He has served as President of the International Society for Research on Aggression and of the Society for the Psychological Study of Social Issues.

### **Psychology 19, Seminar 3**

*Sex and Gender: Current Controversies*  
Letitia Anne Peplau

Many controversies surround sex and gender in the 21<sup>st</sup> century. Just how similar or different are men and women? Should parents use fetal tests to select the sex of their children? Should same-sex couples be allowed to marry? Is the gender gap in wages justified? Are fathers essential for children's well being? This seminar will draw on scientific research to inform a discussion of these and other contemporary social issues. Students will use an active debate format to critically examine important topics affecting women and men today.

Anne Peplau received her PhD in social psychology from Harvard University. Her research examines the impact of gender in both heterosexual and same-sex intimate relationships. She is currently Director of the NSF-funded Interdisciplinary Relationship Science Program at UCLA ([www.irsp.ucla.edu](http://www.irsp.ucla.edu)). She teaches courses on the psychology of gender, social psychology, and personal relationships.

### **Psychology 19, Seminar 4**

*The Diversity Challenge: Understanding and Overcoming Group Conflicts*

Yuen Huo

Progress in civil rights and a new wave of immigration have created an unprecedented level of diversity in American schools, workplaces, and communities. As individuals from different cultural, ethnic, and racial groups come together, questions are raised about how this demographic shift will play out. Can people from different cultural backgrounds find ways to live and work together, despite their differences? Or is social division along ethnic and racial lines inevitable? These and other questions addressed by drawing upon scientific research on origins and consequences of group conflicts and strategies for overcoming them. Historical and contemporary social issues (workplace and school diversity, affirmative action, police minority relations, presidential election) analyzed to address these problems. Films, exercises, and demonstrations supplement readings to stimulate class discussion.

Yuen Huo is an Associate Professor of psychology. Her research concerns group dynamics, intergroup relations, the psychology of justice, and ethnic minority and cultural psychology. She is interested in how psychological processes affect the dynamics of ethnic relations in the workplace, the legal system, and in American politics. Before joining UCLA, she was a research fellow at the Public Policy Institute of California. She holds B.A., M.A., and Ph.D. degrees from the University of California, Berkeley.

### **Psychology 19, Seminar 5**

*Tool Use and Causal Cognition in Animals*

Aaron Blaisdell

How do animals learn to use tools? Simply by rote trial-and-error learning, or do they acquire conceptual understanding of how tools work? Do they understand cause-effect relationships that govern tool use? How do they think about physical events in world more generally? Investigation of these fascinating questions through survey of contemporary literature from comparative cognition.

Aaron Blaisdell is an Associate Professor in Psychology in Learning and Behavior at UCLA. His primary research interests are Associative Learning Processes and Causal, Spatial, and Temporal cognition in animals.

### **Psychology 19, Seminar 6**

*Psychobiology of Stress Resilience*

Thomas Minor

Feeling stressed, fatigued, a bit anxious? Not sleeping well? Suffering from decreased libido? Have your eating habits changed--eating too much (hyperphagia) or too little (anorexia)? These are all symptoms of psychological stress and are common in college students during midterms and finals, and in face of other challenges. Long-term effects of stress, particularly chronic stress, can be physically damaging. Recent research, however, suggests that you can use life's small stresses to increase your stress resilience, or ability to resist and recover from stress. This seminar studies the brain, endocrine, and autonomic nervous system mediators of stress resilience and recovery and how rest, exercise, and psychological attitude influence hardiness and feelings of well-being.

Thomas Minor is a Professor of Psychology and Neuroscience. He is a leading researcher on brain and endocrine mechanisms of psychological trauma, stress resilience, and stress recovery. Dr. Minor also works with the Army and Department of Homeland Security to develop training programs that increase stress resilience in first-responders, EOC, and military personnel.

### **Society and Genetics 19, Seminar 1**

*Forensic DNA Searching: Guilt by Association*

Linda McCabe and Edward McCabe

Occasionally when DNA evidence from a crime scene is compared to state's DNA database, there is a near match to an individual in a database. This indicates that DNA from a crime scene is from a relative of the person in the database. California questions relatives of persons in a database to determine if any of them were at the crime scene. This seminar will include attendance at a discussion of these issues by experts in DNA forensics at Familial Forensic DNA Searching: Guilt by Association symposium. After discussion of this symposium each student writes a five-page paper with five references discussing familial forensic DNA searching for submission at beginning of discussion.

Linda L. McCabe, Ph.D. is an Adjunct Professor in the Department of Human Genetics. Edward R.B. McCabe, M.D., Ph.D. is a Professor in the Department of Pediatrics.

## **Society and Genetics 19, Seminar 2**

*Food and Science*  
Hannah Landecker

This seminar will examine the intersection of food, science, and medicine from a social science perspective. What is happening to food as interactions between nutrients and genes becomes the focus of research? In what way is nutrition understood as a central social problem of contemporary America? Professor Landecker arrived at UCLA in September 2008, as an Associate Professor with a joint appointment in Sociology and the Center for Society and Genetics. She taught from 2001-2007 at Rice University and 2007-2008 at Harvard University. Professor Landecker has a Ph.D in Science and Technology Studies from MIT, and an undergraduate degree in biology. All of her research and teaching focuses on the interface between the life sciences and the human sciences. Metabolic science is the focus of her current research.

## **Statistics 19, Seminar 1**

*Hold'em or Fold'em: Poker and Probability*  
Frederic Paik Schoenberg

This seminar is an exploration of fundamental concepts of elementary probability theory and statistics, which are useful in very wide variety of scientific applications. Students learn basic foundations of probability, including addition and multiplication rules, conditional probability, expected values, and combinatorics. Important statistical concepts such as standard deviation, law of large numbers, the central limit theorem, standard errors, and confidence intervals are also discussed. All topics are broadly applicable in the sciences.

Frederic Paik Schoenberg is a 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.

## **Statistics 19, Seminar 2**

*Statistics and Portfolio Risk Management with  
Stock Market Applications*  
Nicolas Christou

This seminar examines modern theories on managing risk with applications to the stock market. In particular, students will cover topics of building efficient portfolios using the classical Markowitz portfolio theory approach

and single index and constant correlation models. Examples include using real stock market data analyzed using statistical package R. Discussions will focus on derivative instruments (options) and how these can be used in investments. Demonstrations will be made through interactive and visualization tools and applets of NSF-funded Statistics Online Computational Resource (SOCR) at <http://www.socr.ucla.edu>.

Nicolas Christou received his Ph.D. in Statistics in 2000 from the Stern School of Business, New York University. He has been an Adjunct Assistant Professor with the Department of Statistics at UCLA from 2000-06 and a lecturer from 2006-present. His research interests include spatial statistics, applications of statistical models in finance, and research in the area of teaching of statistics. He is also the Co-PI and Co-Director of the NSF-funded Statistics Online Computational Resource (SOCR).