

Spring 2021

Discovery@UCSB

First Year– Exploration, Discovery & Linked Seminars:

Please note that if a listed seminar does not last the full 10 weeks, the drop deadline may be sooner.

Updated 2/11/21

INT 89AC - “Love and Desire from the Middle Ages to the Present in Iberian and Latin American Literatures and Cultures”

- **Seminar Type:** *First Year Linked*
- **Department:** Spanish and Portuguese
- **Instructor:** Antonio Cortijo, Silvia Bermúdez
- **Instructor Email:** cortijo@ucsb.edu, bermudez@spanport.ucsb.edu
- **Day - Time - Room:** Tuesday 3:00-4:50 Online
- **Enroll Code:** 52647

Course Description: This seminar offers an overview of the way our conceptualization of Love and Desire has shaped Western thought from its inception to the present. Love lies at the intersection of sexual passion, religious mysticism, and social utopia. Conceptualized as a human need for creating a relationship with the other we will begin by examining how the Greeks believed "love" encompassed the notions of eros, philia, agape and Charistia/Love/Charity. From the most natural and simple sexual desire (eros), love moved to embrace the need to establish a connection with others through friendship (philia) or with the societal group at large (agape). A human mystical longing to transcend the sphere of the merely human was also recognized through the concept of Charistia/Love/Charity. To explore how Love and Desire have been conceptualized and explored throughout the centuries in the Iberian Peninsula and Latin America, we will pay attention to literature, painting, and music.

Bio: **Dr. Antonio Cortijo** analyzes in his research the ideological structures and tensions that have forged the Modern Period across the Atlantic and across the languages and cultures of the Iberian Peninsula. He deals with issues such as nation building, power and ideology, religion and economy in the late medieval through 18th centuries, as well as with the larger topic of the relevance of Humanism in the creation of the modern nations.

Professor Bermúdez, areas of research and teaching are the cultural productions (especially literature and music) of the Iberian Peninsula, Peru, and Equatorial Guinea. Her critical work focuses on feminism, women's studies, poetic discourses, and politics. Her recent publications include, *Rocking the Boat: Migration and Race in Contemporary Spanish Music* (University of Toronto Press, 2018). She has also co-edited *A New History of Iberian Feminisms* (University of Toronto Press, 2018) with Roberta Johnson; and *Cartographies of Madrid: Contesting Urban Space at the Crossroads of the Global South and Global North* (Vanderbilt University Press, 2019) with Anthony L. Geist.

INT 89AG - "Horror Films"

- **Seminar Type:** *First Year Linked*
- **Department:** Spanish & Portuguese
- **Instructor:** Jorge Luis Castillo, Eloi Grasset
- **Instructor Email:** castillo@spanport.ucsb.edu, eloigrasset@ucsb.edu
- **Day - Time - Room:** Asynchronous
- **Enroll Code:** 63818

Course Description: Film critics and scholars alike have often focused on the exploitative intent of horror films and the low brow entertainment they provide; but they have also acknowledged that they constitute ideal vehicles to express and sublimate the social tensions of the day and age in which they were created. Horror films often subvert the arbitrary, frail nature of modern culture and rational, fact-based roots to expose instead the hidden, elemental impulses that rule human emotions (i.e. forbidden sexual desire, visceral revulsion, and fear of death). This seminar will situate horror films with their cultural and artistic contexts to illustrate both the historical evolution of the genre and the filmmaker's approach to its conventions.

Bio: **Jorge Luis Castillo** (Ph.D. Harvard University, 1995) is a Professor of Spanish American Literature at the University of California, Santa Barbara. His area of research is XIX and early XX Century Latin American Literature. He has published two books and a variety of articles on Spanish American Romanticism, Modernismo, Posmodernismo, and the Avant-Garde. He is also a twice PEN Club Award winning fiction writer with the collections of short stories *La vida vulgar* (2004) and *La virgen de los boleros* (2015).

Eloi Grasset is an Assistant Professor in the Department of Spanish and Portuguese at UCSB, where he teaches Iberian Literatures and Film. His last coedited book, titled: *Remingining Don Quijote*" (Juan de la Cuesta, 2017) is centered on the influence that Cervantes' narrative has had in media and film, through the exploration of different interactions between text and image. His first sole-authored book, titled *La Trama Mortal. Pere Gimferrer y la política de la literatura (1962-1985)* [The Mortal Plot. Pere Gimferrer and the Politics of Literature (1962-1983)], was published in September 2020 by Editorial Renacimiento.

INT 89AP - "Race & Masculinities"

- **Seminar Type:** *First Year Discovery*
- **Department:** Art & History
- **Instructor:** Kip Fulbeck, Paul Spickard
- **Instructor Email:** seaweed@arts.ucsb.edu, spickard@history.ucsb.edu
- **Day - Time - Room:** Thursday 10:00-11:50 Online
- **Enroll Code:** 56051

Course Description: A discussion-based seminar exploring the relationships between race and masculinity construction in contemporary America. Topics to include media representation, music and the creative arts, sports, law enforcement, social media, and the incel movement. Guest speakers featured.

Bio: **Kip Fulbeck** is a Distinguished Professor of Art, with affiliate appointments in Asian American Studies and Film & Media Studies. He has exhibited worldwide and has been featured on CNN, MTV, National Public Radio, Voice of America, The New York Times, and The TODAY Show, among others. He is the author of several books and the recipient of UCSB's Diversity Award and Distinguished Teaching Award.

Paul Spickard is a Distinguished Professor of History, with affiliate appointments in Black Studies, Asian American Studies and four other departments. He is the recipient of UCSB's Distinguished Teaching Award and author or editor of 20 books and 80-odd articles on race, migration and related topics in the United States, the Pacific, Northeast Asia, and Europe.

INT 89AT - "Sustainability by the numbers: The importance of analytical thinking in addressing sustainability challenges"

- **Seminar Type:** *First Year Discovery*
- **Department:** Bren & Chemical Engineering
- **Instructor:** Eric Masanet, Susannah Scott
- **Instructor Email:** emasanet@ucsb.edu, sscott@ucsb.edu
- **Day - Time - Room:** Wednesday 1:00-2:50 Online
- **Enroll Code:** 63768

Course Description: This course will introduce core analytical thinking skills and tools for assessing technology, policy, and behavioral pathways to reaching societal sustainability goals. In the first half of the course, students will learn the basics of life-cycle assessment, energy and resource system efficiencies, technology adoption rates, and economic analysis and understand how these tools are applied to generate sustainability roadmaps. In the second half of the course, we'll review established sustainability roadmaps for the global power, buildings, transport, and industrial sectors to understand how these plans were formulated, while also learning about key challenges and required innovations within each sector. Class time will combine lectures, discussions, and analytical exercises to create a highly interactive learning environment. Students will leave the course with a solid understanding of why quantitative thinking is needed for realistic planning, how it works, and how they can use it within various sustainability career paths.

Bio: **Eric Masanet** is a Professor in the Bren School of Environmental Science and Management at UCSB, where his research produces the numbers needed to identify effective technology and policy pathways for meeting regional and global sustainability goals. From 2015-2017, he led the Energy Demand Technology Unit at the International Energy Agency in Paris, where he oversaw energy analyses of the global industrial, transport, and buildings sectors. He is currently a Lead Author of Chapter 5 (Demand) for Working Group III of the IPCC's Sixth Assessment Report and a member of the Research Advisory Board at the American Council for an Energy Efficient Economy (ACEEE). He holds a PhD in mechanical engineering with an emphasis in sustainable manufacturing from UC Berkeley.

Susannah Scott received her Ph.D. in Inorganic Chemistry from Iowa State University, under the direction of Jim Espenson and Andreja Bakac, on the activation of O₂ and transition metal-catalyzed oxidation mechanisms. She was a NATO Postdoctoral Fellow with Jean-Marie Basset at the Institut de recherches sur la catalyse (CNRS) in Lyon, France, before joining the faculty of the University of Ottawa (Canada) where she was named a Canada Research Chair in 2001. In 2003, she moved to the University of California, Santa Barbara, where she currently holds the Duncan and Suzanne Mellichamp Chair in Sustainable Catalysis. She has joint faculty appointments as a Distinguished Professor in both Chemical Engineering and in Chemistry & Biochemistry. She is an Associate Editor for ACS Catalysis, a member of the Board of Reviewing Editors for Science, and a member of Scientific Advisory Boards at the Fritz Haber Institute, SUNCAT, SSRL, NREL, JBEI, Ames Lab, and PNNL. Her research interests include the design of heterogeneous catalysts with well-defined active sites for the efficient conversion of conventional and new feedstocks, as well as environmental catalysts to promote air and water quality. She develops new kinetic and spectroscopic methods to probe reaction mechanisms. In 2014, she founded the Mellichamp Academic Initiative in Sustainable Manufacturing and Product Design at UC Santa Barbara, where she now leads an interdisciplinary program in research and education involving faculty from chemistry, chemical engineering, materials, environmental science, industrial ecology, technology management, political science, economics, and science communication.

INT 89AU - "Emperors and Mummies: Egyptomania and the Making of Europe"

- **Seminar Type:** *First Year Discovery*
- **Department:** Classics & History of Art and Architecture
- **Instructor:** Dorota Dutsch, Nuha Khoury
- **Instructor Email:** ddutsch@classics.ucsb.edu, khoury@arthistory.ucsb.edu
- **Day - Time - Room:** Monday 2:00-3:50 Online
- **Enroll Code:** 63842

Course Description: How and at what expense has "the West" constructed itself as "modern" and forward-looking? How has it exported this self-image? This course brings together expertise in Art History and Classics to focus an important moment in this process. We will explore 19-th century representations of Mesopotamian, Egyptian, Greek, and Roman antiquities in art and literature to trace the intellectual premises at the root of modern "Western" subjectivities. Our case studies will include the World Exhibitions, the paintings of Jean-Leon Gerome, the poems of Lord Byron, and the Statue of Liberty.

Bio: **Dorota Dutsch** received her PhD in Classics from McGill University and has taught Classics in Poland and Canada. She has published books, articles, and book chapters on Classical literature and its reception. Her most recent book, *Pythagorean Women Philosophers*, was published last year by Oxford University Press.

Nuha N. N. Khoury received her PhD from Harvard University with a specialization in Islamic art and architecture. Her publications focus on historical material as well as, more recently, modern art from the Arab world.

INT 89AV - "Feathered Dinosaurs of UCSB"

- **Seminar Type:** *First Year Discovery*
- **Department:** Psychological and Brain Sciences & Anthropology
- **Instructor:** Daniel Conroy-Beam, Steven Gaulin
- **Instructor Email:** dconroybeam@gmail.com, gaulin@anth.ucsb.edu
- **Day - Time - Room:** Wednesday & Friday 9:00- 9:50 ***This seminar will meet in person with locations TBD**
- **Enroll Code:** 63859

Course Description: "Learn about birdwatching and the feathered dinosaurs that haunt the UCSB campus. We will use our feathered friends as windows into our (and their) psychology, evolution, and environment. Topics covered will include bird identification, the psychology of categorization and aesthetics, phylogenetics, sexual selection, migration, and climate change. Through readings, discussions, and field trips, students will learn how to answer age-old questions such as, "What is a bird?", "How does one look at a bird?", "What is that bird?", "What are birds singing about?", and "Why are birds disappearing?". No prior knowledge or birdwatching experience is assumed, but **students should have binoculars** that they can use throughout the quarter.

**** There will be one (required) on-campus field session per week. For that reason, this course is open only to students living in the vicinity of campus (remote participation not possible)."**

Bio: **Dan Conroy-Beam** is an Assistant Professor in the department of Psychological and Brain Sciences. He has been at UCSB since 2016. His research involves using computer simulations to study the evolution and psychology of human mating. He has been a birdwatcher for approximately 4 years. He also enjoys PC gaming.

Steven Gaulin is Professor of Anthropology and has been on the UCSB faculty since 2003. His regular courses focus a Darwinian lens on the human species, and his research efforts coalesce around sexual selection, evolutionary psychology, and their intersection. He has been avidly "birding" for 47 years and has (so far) seen 3,749 avian species in the wild. In addition to his birding addiction he likes to cook, bake bread, play finger-style guitar, and paint (birds, of course). He and Dan Conroy-Beam have overlapping professional interests and have been birding together for about four years.

INT 94QD - "Studying Abroad"

- **Seminar Type:** *First Year Exploration*
- **Department:** Religious Studies
- **Instructor:** Juan Campo
- **Instructor Email:** campo@ucsb.edu
- **Day - Time - Room:** Tuesday 1:00-1:50 Online
- **Enroll Code:** 64832

Course Description: This seminar is designed to prepare students for studying abroad as undergraduates at UCSB in the post-COVID-19 world. We will cover a variety of topics related to this topic: program options, choosing where to go, when and how to apply, overcoming challenges, earning GE and major credits, internships and career opportunities, and receive latest health and safety updates on international travel. Students will meet with study abroad returnees and advisors, plus draft an application/scholarship essay.

Bio: Juan Campo is an Associate Professor of Religious studies and Faculty Director of the UCSB Education Abroad Program. He teaches courses on contemporary Islamic topics and comparative religions. As an undergraduate and graduate student he studied in Israel and Egypt. As a professor, Dr. Campo served as an EAP study center director in Egypt and India. He has also done research in Saudi Arabia, Lebanon, Bahrain, the United Emirates, Singapore, Spain, Mexico, and Colombia. His research areas include modern pilgrimages, Islam and Modernity, modern Islamic movements, and religion and the culinary cultures of the Middle East. Among his most recent publications is the Encyclopedia of Islam (Facts on File/Infobase, 2d ed. 2018).

INT 94QH - "Global Warming, Hoax or Disaster?"

- **Seminar Type:** *First Year Exploration*
- **Department:** Chemistry and Biochemistry
- **Instructor:** Mattanjah de Vries
- **Instructor Email:** devries@ucsb.edu
- **Day - Time - Room:** Friday 1:00-2:50 Online ***This seminar will meet the first 5 weeks of the qtr**
- **Enroll Code:** 63834

Course Description: The number of Americans who worry about global warming has gone down in the last ten years from 75% to about 50%. Is there less to worry about? What really is the science of climate change? Are the skeptics right? We will explore both the science and the politics of what may (or may not be) either the greatest hoax or the greatest crisis facing planet earth.

Bio: Professor Mattanjah de Vries teaches Environmental Chemistry, Freshman Chemistry, and special topics graduate courses. His research interests include studying the molecular origin of life with novel laser-based techniques, as well as applications in analysis of meteorites, art, and archaeology.

INT 94QI - “Existentialism”

- **Seminar Type:** *First Year Exploration*
- **Department:** Political Science
- **Instructor:** Andrew Norris
- **Instructor Email:** anorris@polsci.ucsb.edu
- **Day - Time - Room:** Monday 9:00-9:50 Online
- **Enroll Code:** 53066

Course Description: Existentialism is one of the definitive philosophical movements of the 19th and 20th centuries. It is centrally concerned with the meaning of life in a world in which there are no fixed and authoritative guidelines for human action. In this course we shall read selections from the most prominent authors associated with this movement, including Dostoyevsky, Kierkegaard, Nietzsche, Heidegger, and Sartre. We shall also watch and discuss Ridley Scott’s film, Blade Runner. Student evaluation will be based on class participation. Each class will begin with four randomly selected students answering the day’s reading questions.

Bio: Andrew Norris is Professor of Political Science and Affiliated Professor of Philosophy and of Religious Studies. He is the author of *Becoming Who We Are: Politics and Practical Philosophy in the Work of Stanley Cavell* (Oxford University Press, 2017), the co-editor of *Truth and Democracy* (University of Pennsylvania Press, 2012), the editor of *The Claim to Community: Essays on Stanley Cavell and Political Philosophy* (Stanford University Press, 2006) and *Politics, Metaphysics, and Death: Essays on Giorgio Agamben’s Homo Sacer* (Duke University Press, 2005), and the author of over forty single-authored essays.

INT 94RS - “music as power / power of music”

- **Seminar Type:** *First Year Exploration*
- **Department:** Music
- **Instructor:** Ruth Hellier
- **Instructor Email:** rhellier-tinoco@music.ucsb.edu
- **Day - Time - Room:** Thursday 9:00-9:50 Online
- **Enroll Code:** 64105

Course Description: Musical activities are immensely powerful cultural expressions. Musical doings are all around us, engaging us all as listeners, players, singers, experiencers, creators, organizers and sharers. Tackling current issues we explore ways in which musical activities have the power to: enable wellbeing during a pandemic; affirm identity through the Black Lives Matter movement; enable Native Americans to share Indigenous knowledges of environmental wisdom; and decolonize music education. We also engage the 2021

UCSB Reads book, *When They Call You a Terrorist: A Black Lives Matter Memoir*. You will bring your own experiences and knowledges of musical activities to investigate these complex issues.

Bio: Professor Hellier is a creative artist, facilitator and researcher who combines interests in performing arts, sonic arts, theatre, dance, Mexican studies, politics and environmental issues. Dr. Hellier teaches in the departments of music and theater/dance, with affiliations in feminist studies and Latin American and Iberian Studies, with expertise in experimental performance-making, cultural histories and contemporary politics.

INT 94TI - "Department of Music- Live!"

- **Seminar Type:** *First Year Exploration*
- **Department:** Music
- **Instructor:** Jill Felber
- **Instructor Email:** felber@ucsb.edu
- **Day - Time - Room:** This seminar will have **one** zoom class scheduled on **Tuesday, April 13th from 4:00-4:50**
- **Enroll Code:** 27201

Course Description: Department of Music Live is a freshman seminar that allows students to attend student or faculty chamber and ensemble concerts hosted by the Department of Music. For Spring 2021, the zoom seminar is required and listening assignments will be online. A paper is due by **June 4th by 3:00pm PST**, 2021.

Bio: Jill Felber, Professor of Flute, has performed solo recitals, chamber music, and concertos on five continents and has held residencies in Hong Kong, Taiwan, Australia, Mexico, France, Switzerland, Great Britain, Italy, Canada, Brazil and the United States. Ms. Felber has inspired many composers to write solo and chamber works for her and for her flute duo ZAWA!, and is currently engaged in several commissioning projects. She has premiered over five hundred works for the flute and has released world premiere recordings for Centaur Records, CRI, Neuma Records, and ZAWA!MUSIC.

INT 94WF - "Write Now"

- **Seminar Type:** *First Year Exploration*
- **Department:** Film and Media Studies
- **Instructor:** Cheri Steinkellner
- **Instructor Email:** csteinkellner@ucsb.edu
- **Day - Time - Room:** Monday 10:00-10:50 Online
- **Enroll Code:** 63735

Course Description: Explore your personal voice and explode your creativity, engaging in freewheeling writing practices under the influence of contemporary authors, screenwriters, playwrights and show-runners. A brand-new course designed to meet this moment with writing tips, tricks, and tools to last a lifetime.

Bio: Cheri Steinkellner has earned four Emmy awards, two Golden Globes, a Writers Guild, People's Choice, World Animation, and the British Academy Award for writing TV's CHEERS and Disney's TEACHER'S PET; as well as a Tony nomination for writing SISTER ACT THE MUSICAL with her husband Bill. She's the mom of three working writer/artists, and currently teaches writing at UCSB and Stanford University, and lectures worldwide.

INT 94WJ - “Predicting a Pandemic: The mathematical models used to understand and control disease”

- **Seminar Type:** *First Year Exploration*
- **Department:** EEMB
- **Instructor:** Holly Moeller
- **Guest Speaker:** Dr. Alexandra Brown
- **Instructor Email:** holly.moeller@lifesci.ucsb.edu, alexandra_brown@ucsb.edu
- **Day - Time - Room:** Friday 2:00-2:50 Online
- **Enroll Code:** 64824

Course Description: In this class, we will use simple simulation experiments and mathematical models to explore disease transmission. Our goals are: (1) to understand different factors that affect disease transmission, (2) to learn why we use models, and (3) to become comfortable with using math to understand biology. If you're nervous about using math in biology, this is the class for you! We will work our way from experiments to simple models in a fun and supportive environment.

Bio: **Dr. Holly Moeller** is a professor of Ecology, Evolution, and Marine Biology with a specialty in mathematical biology. Her work combines mathematical models, laboratory experiments, and field research to develop predictive theory for how species interact with each other, and how these interactions shape the structure and function of the ecosystems that surround us.

Dr. Alexandra Brown is a member of the Department of Ecology, Evolution, and Marine Biology who specializes in developing mathematical models for symbiosis and disease. Her research lies at the intersection of ecology and evolution, helping us to understand how hosts and their symbionts coevolve to become mutually beneficial or parasitic.

INT 94WK - “Machine Learning: Foundations and Applications”

- **Seminar Type:** *First Year Exploration*
- **Department:** Mathematics
- **Instructor:** Paul J. Atzberger
- **Instructor Email:** atzberg@ucsb.edu
- **Day - Time - Room:** Tuesday 10:00-10:50 Online
- **Enroll Code:** 64691

Course Description: This course aims to provide an accessible introduction to topics in data science and machine learning. This includes balancing covering theoretical concepts related to mathematical foundations of learning with practical computational demonstrations of methods and their applications. Topics include statistical learning theory, deep neural networks, kernel methods, and related applications.

Bio: **Dr. Paul J. Atzberger** works on research at the interface of stochastic analysis, statistical mechanics, and scientific computation. Application areas include soft condensed matter physics and biophysics. He also works on general methods in numerical analysis and machine learning.