



Spring 2017 Honors Seminars

Seminars are restricted to students currently enrolled in the College Honors Program through College of Letters and Science, or students in the College of Creative Studies.

These **two-unit** courses provide an opportunity for research exploration in various disciplines and consider advanced studies beyond college. To earn honors credit, seminars must be completed with a **letter grade** of B or higher. **Eligible students may take 8 units maximum of INT 84 seminars and 8 units maximum of INT 184 seminars.**

Add Codes for enrollment are made available only by the professor of the course. Please contact them directly for add codes during your assigned pass time.

**All Honors Seminars are 2 units.
Consult GOLD for additional course details.**

Please note if your class is not a 10-week course the add/drop deadline may be earlier.

Lower-Division Seminars:

NEW ADDITION!

*****FIELD TRIP*****

**INT 84ZB: Causes and Consequences of Sea-Level Rise: A Geologic Perspective
Professor Alexander Simms - Department of Earth Science**

**Day: 1st 9 Thursdays
Time: 4:00-4:50 pm
Location: HSSB 1233 (verify on GOLD)**

Enrollment Code: 64519

During this course we will discuss the causes of sea-level rise at several different time scales and its influence on the natural and geologic system. It will include an overnight fieldtrip to look at ancient sea-level changes recorded in the rocks of southern California. The overnight excursion is scheduled for Friday, April 28 with departure at noon; and scheduled return time of 8:00 pm on Saturday, April 29.

Professor Simms grew up in Oklahoma attending Oklahoma State University and then Rice University for his PhD. He has over 15 years of experience studying coastlines

from Texas and California to Antarctica. One of his favorite topics to study is past sea-level changes.

asimms@geol.ucsb.edu

*******COURSE CANCELLED*******

INT 84ZK: Introduction to Linear Programming: The Simplex Method
Professor Gustavo Ponce – Mathematics

Day: Wednesdays
Time: 12:00-1:50 pm
Location: HSSB 3201 (verify on GOLD)

Enrollment Code: 56010

Operation Research (OR) was developed early in World War II to allocate scarce military operations in an efficient manner. After the war OR had a very rapid development, as linear programming, dynamic programming and inventory theory among others were developed at the end of the 1950's. Later, the computer revolution provided a great impulse to the growth of the OR. Large amounts of computations often required in the complex problems typically analyzed by OR could be easily handled. From the mathematical point of view this is an excellent subject to review and apply what we have learnt in linear algebra,

Professor Ponce completed his PhD at Courant Institute NYU and his research interest is the study of partial differential equations arising as physical models in wave propagations and fluid mechanics.

ponce@math.ucsb.edu

INT 84ZL: Numbers in Language and Culture
Professor Bernard Comrie, Linguistics

Days: Mondays
Time: 4:00-5:50pm
Location: GIRV 1108 (verify on GOLD)

Enrollment Code: 56028

Different languages use different numeral systems (e.g. French expresses 80 as ~four twenties) and different traditions use different systems of figures for representing

numbers (e.g. Roman IV one from five for 4). The seminar will examine different systems of numerals and figures in relation to the cultures that use them.

Bernard Comrie, Distinguished Faculty Professor of Linguistics and formerly Director of the Department of Linguistics, Max Planck Institute for Evolutionary Anthropology, Leipzig has pioneered the study of linguistic phenomena by taking seriously the maxim that understanding Language requires detailed analysis of as wide a range of individual languages as possible.

comrie@linguistics.ucsb.edu

INT 84ZM: Cartographies of [a] Capital: Madrid in Literature and Film
Professor Silvia Bermudez – Spanish and Portuguese

Day: Tuesdays
Time: 5:00-6:50 PM
Location: HSSB 2201 (verify on GOLD)

Enrollment Code: 56036

This seminar investigates the ways in which capital's "political, cultural and economical" has been both exalted and challenged in Madrid, the capital city of Spain. One of our goals is to examine the city as lived experience, where the citizens contest through activities of the imagination capital's push to shape urban space in its own image and according to its own needs, and to the detriment of large parts of the population of major metropolitan areas.

Professor Silvia Bermudez teaches and researches on Iberian and Latin American Studies. Her current courses and research projects focus on Iberian/Galician Studies, Mediterranean Studies, and Cultural Studies, particularly popular music.

bermudez@spanport.ucsb.edu

*****FIELD TRIP*****

INT 84ZN: Safari at Home: Birding in and Around Campus
Professor Thomas Turner– Ecology, Evolution and Marine Biology

Day: Wednesdays
Time: 8:00-9:50 am
Location: GIRV 1108 (verify on GOLD)

March 6, 2017

Enrollment Code: 56044

If you enjoy ecotourism, why not learn to be an ecotourist at home? There is an amazing diversity of bird life on and around campus, including many colorful species with amazing behaviors. Learning to appreciate the wildlife around you is wonderfully enriching and can be a life-long source of inspiration. This course will introduce you to the field study of birds. We will explore the natural areas around campus, on foot, and see how many species we can discover (if you like Pokemon Go, this is the course for you). In the process, we will learn about ecology, evolution and animal behavior by exploring. Binoculars will be provided and no prior experience or equipment is required. Students need to be prepared to **explore on foot for 2 hours**, but walking will be very slow as we will be spending lots of time looking, listening, and learning along the way. The course will meet at various locations each week and will be easily reached by bike from campus. Though almost all of the course time will be spent outside, there will be homework related to studying field guides and listening to bird songs to prepare for our next outing.

Research in the Turner Lab is focused on understanding the causes and consequences of genetic variation. Our current research is focused on understanding the genetic basis of behaviors in *Drosophila melanogaster*. Individual flies have different preferences when it comes to who to mate with or where to lay eggs, and these preferences have evolved between populations and species. Locating the genetic changes responsible for this variation and divergence will help us understand the nature of behavior, the maintenance of variation in populations, and the causes of evolutionary change.

thomas.turner@lifesci.ucsb.edu

*****LAB-BASED*****

**INT 84ZO: Playwriting Workshop [Research to Performance Method]
Professor Frances Cowhig - Theater and Dance**

Day: Tuesdays
Time: 1:00-2:50 PM
Location: HSSB 1105 (verify on GOLD)

Enrollment Code: 56051

This is a playwriting workshop for students who have something to say. Maybe you have been doing a lot of research into a single area/world and want to activate it through dramatic writing. Maybe you are from a very specific place and family that hasn't been represented on stage or screen, and want to explore ways to capture it in a play. Students should arrive on the first day having already done a lot of research into the worlds/dramatic territory they want to explore. This might not be book research. This could be lived experience, collecting oral histories, or simply doing a lot of

March 6, 2017

eavesdropping. Assignments will be devoted to scenework, character explorations and the drafting of a short play that explores the world you are investigating through CHARACTER, RELATIONSHIP and CONFLICT - the anchor points of dramatic writing.

Professor Cowhig received an MFA in Writing from the James A. Michener Center for Writers at UT Austin, a BA in Sociology from Brown University, and a certificate in Ensemble-Based Physical Theatre from the Dellâ Arte International School of Physical Theatre. She was born in Philadelphia, and raised in Northern Virginia, Okinawa, Taipei and Beijing. Frances is currently an Assistant Professor of Playwriting at UC Santa Barbara. Her plays have been produced at venues such as the National Theatre of Great Britain, Manhattan Theater Club, and the Goodman Theatre.

fcowhig@theaterdance.ucsb.edu

*****FIELD TRIP*****

INT 84ZP: Observing Behavior
Professor Michelle Brown, Anthropology

Day: Fridays
Time: 9:00-10:50 am
Location: GIRV 1108 (verify on GOLD)

Enrollment Code: 56069

Observational methods are the cornerstone of behavioral studies on vertebrate and invertebrate species and are utilized by both anthropologists and ecologists. Students will learn a variety of techniques for documenting behavior by observing other UCSB students, dogs, and local wildlife in the Isla Vista environs.

Professor Brown studies the behavioral ecology of non-human primates to understand the evolution of social systems, the interplay of cooperative and competitive actions, and the effects of environmental change on the behavior of individuals, groups, and populations.

mbrown@anth.ucsb.edu

INT 84ZQ: Psychology of Choice: How and Why We Make Choices?
Professor Heejung Kim, Psychological and Brain Sciences

Day: Mondays
Time: 10:00-11:50 am
Location: HSSB 4201 (verify on GOLD)

Enrollment Code: 57836

Choices define who we are and show the world what we care about. Although choices feel very personal, psychological research shows that our choices are shaped by many situational, structural, and cultural factors. In this class, we will discuss theories and findings on how and why we make everyday choices.

Heejung Kim is Professor in the Department of Psychological and Brain Sciences. She received her Ph.D. from Stanford University. Her research examines cultural differences in how people express themselves through choices and other social behaviors. In addition, she examines the interplay of culture and biology in shaping these psychological processes.

heejung.kim@psych.ucsb.edu

INT 84ZR: Wild Journey

Professor John Lew, Molecular, Cellular & Developmental Biology

Day: Tuesdays

Time: 2:00-3:50 pm

Location: PHELPS 2514 (verify on GOLD) – NEW LOCATION!

Enrollment Code: 57828

There is so much more to who you are than you know right now... You have all it takes for a deeply meaningful life of the greatest fulfillment, passion, and service. But, our education system is not focused on discovering and developing the true gifts you have to offer the world. We will discuss the developmental stages of a mature human life, the cultural tasks for college students for authentic development, and a map of the human psyche as a foundation for personal resourcing and ultimate wholeness. We will often meet outdoors and employ Nature as a template for becoming whole, authentic, and powerful change agents for our culture and society.

Dr. Lew is a professor of biochemistry and molecular biology. His research focuses on the discovery of natural molecules as therapeutics for Alzheimer's disease. His life passion is students and their personal development. He sees students as the next generation of leaders and influencers, and feels deeply called to guide students into the most meaningful life possible. Dr. Lew is currently a trainee in wilderness/nature-based approaches to mature human development.

john.lew@lifesci.ucsb.edu

INT 84ZS: How to Build a Habitable Planet
Professor Frank Spera, Earth Science

Day: **Fridays**
Time: **9:00-10:50 am**
Location: **PSB-S 2712 (verify on GOLD)**

Enrollment Code: 57935

A non-technical but informed account of the Birth of Earth from a hot accretion disk surrounding the nascent sun to its present geological condition today. In short we will obtain a bird's eye view of the origin and evolution of the earth from its first protoearth beginnings 4568 million years ago to today. This narrative is an important part of the human narrative and illustrates how science can be brought to bear on one of the most basic problems known.

I am a professor of Earth and Planetary science and I have done extensive research in volcanology and magma transport phenomena. I also study the early Earth including its origin along with the other planets of the Solar system.

spera@geol.ucsb.edu

NEW ADDITION!

INT 84ZT: Mathematics of Origami
Professor Jeffrey Stopple, Mathematics

Day: **Mondays**
Time: **8:00-9:50 am**
Location: **SH 1607 (verify on GOLD)**

Enrollment Code: 61572

Origami is the ancient Japanese art of paper folding. One uncut square of paper can, in the hands of an origami artist, be folded into a bird, a frog, a sailboat, or a Japanese samurai helmet beetle. Origami can be extraordinarily complicated and intricate.

The art of origami has been going through a renaissance over the past 30 years, with new designs being created at ever-increasing levels of complexity. It's no coincidence that this rise in origami complexity has emerged at the same time scientists, mathematicians and origami artists themselves have been discovering more and more of the mathematical rules that govern how paper folding works.

Professor Stopple's research is in number theory, particularly prime numbers.

stopple@math.ucsb.edu

Upper-Division Seminars:

INT 184JP: Law and Disobedience
Professor John Park – Asian American Studies

Day: Fridays
Time: 10:00-11:50 am
Location: HSSB 5024 (verify on GOLD)

Enrollment Code: 26427

This seminar explores various forms of disobedience in American public law, primarily in circumstances involving people of color. We begin with a discussion of disobedience as the topic appears within theories of law, and then we examine why disobedience poses special problems in constitutional democracies committed to the rule of law. We will discuss, in turn: slavery; white supremacist rules in the United States and abroad; segregation and desegregation; and contemporary immigration laws.

John Park is Professor of Asian American Studies at UCSB. His professional life will flash before you if you click here: <http://www.asamst.ucsb.edu/people/john-s-w-park>

jswpark@asamst.ucsb.edu

INT 184PD: Introduction to Clinical Medicine

This course is designed to provide students interested in a medically related career an introduction to clinical medicine. Upper-division standing and consent of instructor required. The selection process is competitive. Honors students interested in INT 184PD should review the course requirements (see link below) and if eligible, email Dr. Stephen Blain, sblain@ltsc.ucsb.edu

<http://www.duels.ucsb.edu/honors/advantages/health>

INT 184DH: Introduction to Clinical Medicine **(This course is for those who have already taken INT 184PD)**

This course is designed to provide students interested in a medically related career an introduction to clinical medicine. Upper-division standing and consent of instructor

March 6, 2017

required. The selection process is competitive. Honors students interested in INT 184DH should review the course requirements (see link below) and if eligible, email Dr. Stephen Blain, sblain@ltsc.ucsb.edu

<http://www.duels.ucsb.edu/honors/advantages/health>

Students: Please remember to read through the course requirements for INT 184PD and INT 184DH prior to contacting our office about enrollment.

INT 184ZU: Principles and Applications of Terrestrial LiDAR
Professor Ed Keller, Earth Science

Day: Wednesdays
Time: 5:00-6:50 pm
Location: GIRV 1108 (verify on GOLD)

Enrollment Code: 56077

Students will be assisting with a project that aims to measure rates and patterns of coastal erosion using laser scanning technology called terrestrial LiDAR . Students will learn how perform Terrestrial LiDAR surveys of sea cliffs and beaches in Santa Barbara County, as well as learn how to process and perform measurements on the collected data. Types of measurements students will perform include: calculation of sea cliffs retreat rate, determining patterns of erosion, investigating cliff stability, and determining volume loss/gain of beaches. Students will also be required to read several papers as well as write a report on their work that will be turned in at the end of the quarter. The proposed work is being done in conjunction with an ongoing research project within the Earth Science department and will be overseen by Professor Ed Keller and graduate student, Paul Alessio.

Professor Keller earned his Ph.D. from Purdue University, Indiana in Geology. He has served as Chair of both the Environmental Studies and the Hydrologic Science programs. Author on some 100 articles in international journals, governmental reports and professional volumes, in addition to a number of textbooks including two on Environmental Science and Geology. Dr. Keller has received several honors and awards for his contributions to the profession.

keller@geol.ucsb.edu

March 6, 2017

*****FIELD TRIP*****

INT 184ZW: Using Effective Communication Techniques in the Courtroom
Professor Daniel Linz, Communication

Day: Wednesdays
Time: 1:00-2:50 pm
Location: HSSB 4202 (verify on GOLD)

Enrollment Code: 56085

This course will require students to observe attorneys in the courtroom at trial in the Santa Barbara courthouse. The students may choose to focus on a number of topics relevant to effective communication. This may include making effective opening statements, visual presentation of evidence, inverting witnesses in the stand, and increasing jury persuasion. The course instructor will facilitate meetings and discussions with attorneys and the judge participating in the trial. This course may be especially useful for students considering a career in the legal system.

Professor Linz's research and teaching focuses on communication and law. One area of concentration is communication in the courtroom. In his teaching he emphasizes community and practical experience, while encouraging students to observe legal trials and meet with the attorneys and the judges involved in the trial. Students will later meet with Professor Linz to discuss their experiences.

linz@comm.ucsb.edu

INT 184ZX: Samuel Beckett
Professor Andrew Norris, Political Science

Day: Mondays
Time: 1:00-2:50 pm
Location: HSSB 1224 (verify on GOLD)

Enrollment Code: 57927

Samuel Beckett (1906-1989) is one of the greatest modernist authors, and, with Joyce and Yeats, one of the greatest Irish writers of the 20th century. His plays and novels are at once deeply funny and almost nihilistic in their explorations of human consciousness, embodiment, mortality, and self-expression. In this seminar we shall read his most famous play, 1953's *Waiting for Godot*, the play many consider Beckett's best, 1957's *Endgame*, and the trilogy of novels *Molloy* (1951), *Malone Dies* (1951), *The Unnamable* (1953). Grades will be assigned on the basis of weekly reader's response essays and

class participation.

Andrew Norris is Associate 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* (forthcoming, Oxford University Press) and the editor of *Truth and Democracy* (University of Pennsylvania, 2012), *The Claim to Community: Essays on Stanley Cavell and Political Philosophy* (Stanford, 2006), and *Politics, Metaphysics, and Death: Essays on Giorgio Agamben's Homo Sacer* (Duke, 2005).

anorris@polsci.ucsb.edu

INT 184ZY: The Short Stories of Jorge Luis Borges
Professor Jorge Luis Castillo, Spanish & Portuguese

Day: Mondays
Time: 1:00-2:50 pm
Location: LSB 1101 (verify on GOLD)

Enrollment Code: 57885

Reading and interpretation of the short stories of one of the most important fiction writer of the 20th Century. Students will discuss the short story in theory and practice.

Professor of Spanish American Literature, Dept. Spanish & Portuguese. Scholar and short story writer, Jorge Luis Castillo has published 4 books and several articles on 19th and 20th Spanish American Poetry and short story.

castillo@spanport.ucsb.edu

We encourage you to continue to check our website for additions to our **Honors Seminars** offerings.

<http://www.duels.ucsb.edu/honors/experiences#seminars>

Please see the Section list online Spring 2017 Honors Sections.

March 6, 2017