



Fall 2015 Honors Seminars

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

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:

*****FIELD TRIP INCLUDED*****

**INT 84ZB: Causes and Consequences of Sea-Level Change: A Geologic Perspective
Professor Alex Simms – Earth Science**

**Day: Thursdays
Time: 3:30-4:20 PM
Location: GIRV 1108**

Enrollment Code: 58925

This seminar will meet once a week for 50 minutes. We will also go on a 3-day (October 22-24) fieldtrip to Anza-Borrego State Park (camping required) to examine rocks recording changing sea levels almost 5 million years ago.

Dr. Alex Simms is an associate professor in the Department of Earth Science. He is a sedimentologist/stratigrapher by training whose research focuses on studying how coastlines have responded to past changes in sea level, climate, and tectonics.

asimms@geol.ucsb.edu

August 27, 2015

INT 84ZC: The Mathematics of Alice in Wonderland
Professor Jeffrey Stopple – Mathematics

Day: **Tuesdays**
Time: **11:00-12:50 PM**
Location: **HSSB 3201**

Enrollment Code: 64733

The mathematician Charles Dodgson did research in logic at Oxford in the nineteenth century, but he is better known (as Lewis Carroll) as the author of Alice in Wonderland and Through the Looking Glass. The books are filled with riddles, wordplay, and mathematical puzzles. We will read the books and (try to) solve the puzzles. No prior mathematics is necessary, as we learn a little about set theory, meta-language, Aristotelian logic, and game theory.

Professor Stopple's research is in number theory.

stopple@math.ucsb.edu

Upper-Division Seminars:

INT 184KF: Behind the Latest Breakthroughs - How the Media Reports and the Public Learns About the Latest Science
Professor Kathy Foltz – Molecular, Cellular, and Developmental Biology

Day: **Fridays**
Time: **9:00-10:50 am**
Location: **PHELP 1530**

Enrollment Code: 67801

Each day reveals a new "breakthrough" in biomedical science: a cure for a disease, or the results of a study about consumption of wine, chocolate, or coffee and dementia. Masked behind the hype and the hope of these headlines lies the real science. We will read, critique and discuss current literature in the cell/molecular biosciences that spawns news stories in the popular press. Most of these will have a biomedical slant. Students will identify and critique real-time news media releases, popular science writing, and the primary research literature in an attempt to dissect the "science" from the "spin." The over-arching goal of the course is to increase biomedical research literacy at the level of the citizen-voter. Students will learn about the scientific research process and what

distinguishes epidemiological studies, clinical trials, and basic research. Students will learn how to navigate PubMed and assess internet sites for validity and proper citation links.

Kathy Foltz is an Associate Professor in the Department of Molecular, Cellular and Developmental Biology. Her research focuses on how eggs are fertilized and transition to embryos. She teaches lower and upper division courses in both MCDB and in CCS Biology and is a participant in the HHMI Undergraduate Science Initiative to improve STEM education at UCSB. Students in her courses can expect to be challenged as active learners and become full partners in their education.

kathy.foltz@lifesci.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 (<http://www.duels.ucsb.edu/honors/health>) and if eligible, email Dr. Stephen Blain, sblain@ltsc.ucsb.edu

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 required. The selection process is competitive. Honors students interested in INT 184DH should review the course requirements (<http://www.duels.ucsb.edu/honors/health>) and if eligible, email Dr. Stephen Blain, sblain@ltsc.ucsb.edu

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

INT 184PS: The Mystery of the Iron Mask: History as a Detective Story **Professor Paul Sonnino – History**

Day: Mondays
Time: 4:00-5:50 pm
Location: HSSB 2201

August 27, 2015

Enrollment Code: 64741

Professor Sonnino is in the process of publishing his latest book "On the Trail of the Iron Mask," which contains the solution of the mystery. In previous seminars we began by analyzing key documents and proceeded to read a number of chapters from the book. But in this seminar, as in the most recent one offered during Spring 2015, after we work on the documents, students will go on to the entire book and discover the solution. Professor Sonnino has received special dispensation from his publisher to present hard copies of each chapter on Gaucho Space for the personal use of the students enrolled without any copyright infringement

Paul Sonnino has been teaching at UCSB since 1967. He has taught the survey in Western Civilization, upper division courses in early modern European history, and graduate courses in Historiography and has managed to be extremely outspoken about his opinions by taking advantage of the wonderful diversity afforded by the University of California.

PMSonmino@aol.com

INT 184ZH: Paradise Lost
Professor Ken Hiltner – English

Day: Fridays
Time: 1:00-2:50 am
Location: GIRV 1108

Enrollment Code: 57398

In this course, students will read John Milton's PARADISE LOST - arguably the finest long poem in the English language - in detail and in its entirety.

Ken Hiltner received his Ph.D. from Harvard University, where he garnered a number of distinctions, including the Bowdoin Prize. He has published five books, including Milton and Ecology, What Else is Pastoral?, and Renaissance Ecology.

hiltner@english.ucsb.edu

*****FIELD TRIP INCLUDED*****

INT 184ZI: Plant Ecology and Evolution in a Changing Climate
Professor Susan Mazer – Ecology, Evolution and Marine Biology

August 27, 2015

Day: 1st 8 Thursdays
Time: 2:00-3:50 pm
Location: GIRV 2110

Enrollment Code: 57406

This seminar will introduce students to current research examining ecological and evolutionary responses of wild plant species to climate change and other environmental stresses. Weekly meetings will involve discussions of the scientific literature, demonstrations of on-line tools for the study of the effects of climate change on wild species, and participation in a nationwide program (the USA National Phenology Network) and the California Phenology Project to track the effects of climate change on the seasonal cycles of wild plants. **The class will conclude with a 6-hour field trip to the Santa Barbara Botanic Garden and a nearby hiking trail to explore the chaparral vegetation.**

Professor Mazer is an evolutionary biologist whose research examines the process and outcome of natural selection within and among wild plant species. Her research includes field- and greenhouse-based surveys and experiments to determine the influences of environmental stress (including climate change) on the evolution of reproductive traits in wild populations.

mazer@lifesci.ucsb.edu

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

<http://www.duels.ucsb.edu/honors/curriculum/courses>

Please see the Section list online Fall 2015 Honors Sections.