



## Spring 2014 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:

**INT 84PD: Orientation to Biomedical Research and the Practice of Medicine**  
**Professor Thomas Weimbs – Molecular, Cellular & Developmental Biology**

**Day:** Wednesdays  
**Time:** 4:00-5:50 pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

This course is designed to provide students interested in a career in medicine an introduction to biomedical research and clinical medicine. Through a series of lectures, university researchers, practicing physicians, physicians-in-training, and other healthcare providers will discuss their careers, training, and topics critical to their daily work, providing students with valuable insight into potential future careers. The course will serve as preparation for participation in undergraduate on-campus research and off-campus clinical experience. The seminar is aimed for students who are in their second year at UCSB with either sophomore or junior standing, and they will be given preference for enrollment.

Dr. Weimbs received his doctoral degree from the University of Cologne, Germany, conducted postdoctoral research at UCSF, and joined the Cleveland Clinic as an Assistant Professor before moving to the MCDB department at UCSB in 2005. He is currently an

Associate Professor and his laboratory conducts research on the molecular mechanisms underlying polycystic kidney disease.

**Email:** [weimbs@lifesci.ucsb.edu](mailto:weimbs@lifesci.ucsb.edu)

---

**INT 84SA: Tell-tale Eyes: Children in Contemporary Spanish Film**  
**Professor Silvia Bermudez - Spanish and Portuguese**

**Day:** 1st 5 Tuesdays  
**Time:** 3:00-5:50pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

This Honors Seminar pays attention to the abundance of contemporary Spanish films with child-age principal characters dealing with events and issues involving war and military conflict.

Professor Silvia Bermúdez teaches and researches on Iberian and Latin American Studies. Her current courses and research projects focus on Constitutional Spain, Galician Studies, and Contemporary Spanish pop music.

**Email:** [bermudez@spanport.ucsb.edu](mailto:bermudez@spanport.ucsb.edu)

---

**INT 84TD: The Alaskan and Arctic Environments Under Siege**  
**Professor Tommy Dickey – Geography**

**Day:** Thursdays  
**Time:** 1:00-2:50 pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

Today, Alaska's and the Arctic's economic and political values are incalculable because of their natural resources and military importance. We will study the geography, history, politics, ecology, and oceanography of the region and how they are being impacted by warming temperatures, reduced ice cover, and increased stress through oil spills and overfishing.

Professor Dickey, a Secretary of the Navy/Chief of Naval Operations Chair, received his Ph.D. from Princeton University and has taught more than 10,000 students. His interdisciplinary oceanographic research cruises have been conducted around the world oceans. Professor Dickey has researched polar explorers, hurricanes, ocean biogeochemistry, eddies, waves, and pollution.

Email: [tommy.dickey@opl.ucsb.edu](mailto:tommy.dickey@opl.ucsb.edu)

---

**INT 84TD: The Alaskan and Arctic Environments Under Siege  
Professor Tommy Dickey – Geography**

**Day: Thursdays**  
**Time: 3:00-4:50 pm**  
**Location: GIRV 2120**

**Enrollment Code: 64279**

Today, Alaska's and the Arctic's economic and political values are incalculable because of their natural resources and military importance. We will study the geography, history, politics, ecology, and oceanography of the region and how they are being impacted by warming temperatures, reduced ice cover, and increased stress through oil spills and overfishing.

Professor Dickey, a Secretary of the Navy/Chief of Naval Operations Chair, received his Ph.D. from Princeton University and has taught more than 10,000 students. His interdisciplinary oceanographic research cruises have been conducted around the world oceans. Professor Dickey has researched polar explorers, hurricanes, ocean biogeochemistry, eddies, waves, and pollution.

Email: [tommy.dickey@opl.ucsb.edu](mailto:tommy.dickey@opl.ucsb.edu)

---

**NEW ADDITION: Field Trip**

**INT 84ZA: Owens Valley and the LA Aqueduct  
Professor Jordan Clark – Environmental Studies**

**Day: Thursdays**  
**Time: 1:30-3:00 pm**  
**Location: BREN 4316**

**Enrollment Code: 66092**

This class focuses on a three-day field trip that will leave on Friday morning, May 16, and return on Sunday. During the trip we will stop at a number of important sites related to the LA Aqueduct including Mono Lake. **The class will meet once per week prior to our departure to discuss relevant topics related to the field trip.**

Dr. Clark is an environmental scientist who works in geochemistry and hydrology. Much of his current research relates to water supply problems in California. In particular, he investigates groundwater flow near Managed Aquifer Recharge sites. / Dr. Wilkinson is an expert in Western Water Policy. He teaches water policy at the graduate level in the Bren School and in the Environmental Studies Program. Dr. Wilkinson also advises the California Department of Water Resources, The State Water Resources Control Board, and other agencies on water policy.

**Email:** [jfclark@geol.ucsb.edu](mailto:jfclark@geol.ucsb.edu)

---

## Upper-Division Seminars:

**INT 184AL: Power and Evil in Modern History: Two Case Studies, Stalin and Hitler**

**Professor Emeritus Albert Lindemann - History**

**Day:** Wednesdays  
**Time:** 2:00-3:50 pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

Lord Acton famously commented that “power tends to corrupt and absolute power to corrupt absolutely.” He added that “Great men are almost always bad men.” The seminar will consider the implications of those comments, examining the lives of two supremely evil men in modern history, Josef Stalin and Adolf Hitler -- in particular how much absolute power can be said to have been responsible for the horrors committed under their rule. In a related way: Were they born evil, or did experiences during their lives form them into evil men?

Dr. Lindemann earned his PhD at Harvard and taught at Stanford before coming to UCSB. He is the author of seven books on modern European history, primarily the history of socialism and of anti-Semitism and is the Winner of Academic Senate's Outstanding Teacher of the Year.

**Email:** [lindeman@history.ucsb.edu](mailto:lindeman@history.ucsb.edu)

---

**INT 184DF: Physical Biology of the Cell**  
**Professor Deborah Fygenon - Physics**

**Day:** Wednesdays

**Time:** 4:00-5:50 pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

Are you fascinated by biology but turned off by the lack of quantitative and physical reasoning with which it is traditionally taught at the undergraduate level? Come take a physics approach to cellular phenomena. Learn the basics of cell and molecular biology while exploring the classical and statistical physics that characterize and constrain the quanta of life.

Professor Fygenon earned her degrees in Physics from MIT (BSc) and Princeton (PhD) and did research in Biological Physics at Rockefeller University and Molecular Biology at USC before joining the faculty at UCSB. She is currently an Associate Professor of Physics and Biomolecular Science & Engineering. Her research focuses on biomolecular self-assembly, with the goal of elucidating physics that enables and constrains biological phenomena.

**Email:** [deborah@physics.ucsb.edu](mailto:deborah@physics.ucsb.edu)

---

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

**Day:** Mondays  
**Time:** 1:00-2:50 pm  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

This honors seminar explores various forms of disobedience in American public law, primarily in circumstances involving people of color. We discuss resistance to slavery, race-based segregation, and race-based immigration rules, among other topics. All readings will be posted on-line.

Dr. Park's research topics include immigration law and policy, political theory, and American public law. The honors seminar draws from themes he has explored in his third book, *Illegal Migrations and the Huckleberry Finn Problem* (2013).

**Email:** [jswpark@asamst.ucsb.edu](mailto:jswpark@asamst.ucsb.edu)

---

**INT 184MB: Learning to Count**  
**Professor Maria Isabel Bueno Cachadina - Mathematics and College of Creative Studies**

**Day:** Tuesdays and Fridays  
**Time:** 9:00-9:50 am  
**Location:** check GOLD for details

**Enrollment Code:** check GOLD for details

We all think we know how to count: 1, 2, 3,... However, it may not be so easy to answer questions such as the following: 1) At a party, 10 gentlemen check their hats. In how many ways can their hats be returned so that no gentleman gets the hat with which he arrived? 2) In how many ways can you distribute 10 orange drinks, 1 lemon drink, and 1 lime drink to 4 thirsty students so that each student gets at least 1 drink, and the lemon and the lime drinks go to different students? In this course, we will relearn how to count. Applications of the techniques in this course will help answer questions in your own field of study such as the study of the possible arrangements of atoms in molecules and crystals; study of the structure of genes and proteins; design of codes of encryption, compression, and correction of errors, etc.

Professor Bueno Cachadina is a Lecturer in the Mathematics Department and the College of Creative Studies. She was awarded her PhD in Mathematics by the University Carlos III de Madrid, Spain. She was born in Spain and has taught in three different countries: Bolivia, Spain, and USA.

**Email:** [mbueno@math.ucsb.edu](mailto:mbueno@math.ucsb.edu)

---

### **NEW ADDITION: Field Trip**

**INT 184MM: Rediscovering Museums**  
**Professor Mark Meadow - History of Art and Architecture**

**Day:** Class meetings on Friday, May 9 and Friday, May 16, 2-4pm  
Field trip is scheduled for Saturday May 17, 10am-6pm  
**Location:** check GOLD for details

**Enrollment Code:** 68759

This seminar examines the museum as an institution and a set of cultural practices. Why do we have special buildings dedicated to looking at objects? What are our expectations about museums and what expectations do museums have about their visitors? How do museums shape our viewing experience? We will explore these and other questions in two two-hour classroom discussions and an all-day field trip to Los Angeles.

Professor Meadow is an art historian who specializes both in Northern Renaissance art and in the History and Theory of Museums. He led a 10-year research project on the collections of the University of California and designed an innovative museum studies

program, "Museums, Collections and Cultural Politics," for Leiden University in Holland.

**Email:** [meadow@arthistory.ucsb.edu](mailto:meadow@arthistory.ucsb.edu)

---

### **INT 184PD: Introduction to Clinical Medicine**

This course is designed to provide students interested in a career in medicine an introduction to clinical medicine. Students will take a series of orientation sessions, followed by participation in off-campus clinical experience. Upper-division standing and consent of instructor required. Hours for orientation sessions are to be arranged individually. Internships are competitive.

Please go online to make an appointment, as part of the application process, with Dr. Stephen Blain:

<http://www.duels.ucsb.edu/advising/outside-credit>

**Please see the Section list online Spring 2014 Honors Sections.**