*Winter 2021*

**Discovery@UCSB**

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**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.

**INT 89AQ - “The art and science of autobiographical storytelling”**

- **Seminar Type:** First Year Discovery
- **Department:** Psychological and Brain Sciences, Writing Program
- **Instructor:** Nicole Alea Albada, Ellen Whittet
- **Instructor Email:** nicole.albada@psych.ucsb.edu, whittet@writing.ucsb.edu
- **Day - Time - Room:** Tuesday 10:00-11:50 Online
- **Enroll Code:** 65870

**Course Description:** This seminar will bring together the psychological science behind remembering the personal past and the process of writing autobiographical stories. Writing autobiographical stories provides us with a chance to make meaning from the raw materials of our life in an effort to meet the goals of the self. We will study different writers' crafts, the decisions they have made, and gather a repertoire of tools to write our own autobiographical stories. We will then explore the way that psychology analyzes stories to say something about human personality and behavior by reading empirical articles and content-coding written narratives.

**Bio:** Nicole received her BS in Psychology, with honors, from the University of Florida. She continued at the University of Florida, earning her PhD in Developmental Psychology, with an emphasis on adult development and aging. She also received graduate certificates in Gerontology and Social Science methodology. Nicole began her position as an Assistant Teaching Professor at UCSB in 2018, after spending 10 years teaching and conducting research in the Caribbean, at the University of the West Indies Trinidad & Tobago. She is the director of the Thinking About Life Experiences (TALE) Lab, which explores why and how people remember events from their life, and the links between remembering autobiographical events and psychosocial well-being in various age groups and across cultures. She primarily teaches research methods and statistics to undergraduate students in the PBS program.

Ellen received her BA in Literature and French from UC Santa Barbara, and then earned her MFA in nonfiction writing from Sarah Lawrence College, with an emphasis on memoir and oral history. She has been teaching at UCSB since 2011, and has published essays and journalism all over, including The Paris Review, The Atlantic, New York Magazine, and Buzzfeed. Her memoir about ballet and injury, What You Become in Flight, came out April 2020. Her research interests include embodied pedagogy and writing and the intersection of journalism and creative writing. She teaches classes in the Writing Program and CCS Literature & Writing in journalism, memoir, service learning, writing about visual arts and humanities, and publishing.
INT 94JL - “Los Angeles’s Water Supply: 1781-1913”

- **Seminar Type:** First Year Exploration
- **Department:** Earth Science
- **Instructor:** Jordan F Clark
- **Instructor Email:** jfclark@geol.ucsb.edu
- **Day - Time - Room:** Friday 9:30-10:45 Online *Field Trip
- **Enroll Code:** 61853

**Course Description:** Most US citizens know little about their sources of their drinking water. The exception to this is citizens who actively work in the agricultural industry. Los Angeles is the second largest metropolitan area in the US and many UCSB students call it home. This class examines where the drinking water for Los Angeles communities originated and the history of its development. It will also include a short 1-day long field trip to see some of the nearby infrastructure of the LA Aqueduct.

**Bio:** 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. He has taught a version of this class numerous times.

INT 94JV - “Beauty of Mathematics”

- **Seminar Type:** First Year Exploration
- **Department:** Math
- **Instructor:** Daryl Cooper
- **Instructor Email:** cooper@math.ucsb.edu
- **Day - Time - Room:** Tuesday 2:00-2:50 Online
- **Enroll Code:** 28407

**Course Description:** In 1610 Galileo said that “The language of nature is mathematics.” By this he meant the world, and indeed the universe we live in, can only be understood with the aid of mathematics. Just as one can appreciate music without being able to read a note of it, and a painting without being able to hold a brush, so one can appreciate the beauty of mathematics without the formulae. We will travel from the mathematically inspired art of M.C. Escher and the infinite complexity of Mandelbrot’s fractals to the transcendence of music as epitomized by Bach. We will discover why mirrors reverse left to right but not up and down. We will contemplate the sublime: what is infinity? And imagine the seemingly unimaginable: what shape is our universe? Want to win the lottery? We will explore every day uses of logic such as chance and probability. The only prerequisite for this class is a willingness to suspend disbelief. The course will be heavy on ideas and light on numbers. There is no need for a calculator.

**Bio:** Professor Cooper’s main research is in topology which can be used to describe the shape of all possible universes. He is also an expert on the geometry of the infinitely large and infinitesimally small.
**INT94MW - “The case against science”**

- **Seminar Type:** First Year Exploration
- **Department:** Chemistry and Biochemistry
- **Instructor:** Mattanjah de Vries
- **Instructor Email:** devries@ucsb.edu
- **Day - Time - Room:** Monday 4:00-4:50 Online
- **Enroll Code:** 65300

**Course Description:** What should you believe about conflicting information about Covid-19? Are vaccines safe? Should we worry about climate change or is that a hoax? Should there be stickers on biology books, warning that evolution is only a theory? Is alternate medicine quackery or is it systematically suppressed by the mainstream medical establishment? Is intelligent design covered up by biologists? Science appears to be doubted and beleaguered from many sides. What do the courts have to say? Explore the history and philosophy of science. Be skeptical and decide whether science can be trusted.

**Bio:** Professor Mattanjah de Vries teaches Environmental Chemistry, Analytical 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 94TI - “Department of Music- Live!”**

- **Seminar Type:** First Year Exploration
- **Department:** Music
- **Instructor:** Jill Felber
- **Instructor Email:** felber@ucsb.edu
- **Day - Time - Room:** Online varies with concert dates TBD
- **Enroll Code:** 28449

**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. One class is required and attendance at four Department of Music concerts in the term is expected. Dates for Fall 2020 concerts have not been determined. Here is an example of a schedule for a previous quarter: REQUIRED DATES:

Freshman Discovery Seminar
Winter 2020

Class Meeting (meets only once)
Tuesday Feb. 25, 2020
4:00-4:50pm
Room 2224, Music Building

UCSB Chamber Players
Wednesday, February 26, 2020 | 7:30 pm | Karl Geiringer Hall
Free admission (no reservations)

UCSB Wind Ensemble
Thursday, March 5, 2020 | 7:30 pm | Lotte Lehmann Concert Hall
$10 general admission | $5 non-UCSB students | Free for UCSB students and children under 12

UCSB Chamber Orchestra and Chamber Choir
Monday, March 9, 2020 | 7:30 pm | Lotte Lehmann Concert Hall
$10 general admission | $5 non-UCSB students | Free for UCSB students and children under 12

UCSB Jazz Ensemble
Wednesday, March 11, 2020 | 7:30 pm | Lotte Lehmann Concert Hall
$10 general admission | $5 non-UCSB students | Free for UCSB students and children under 12

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 ZAWAI, 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 ZAWAI!MUSIC.

felber@music.ucsb.edu

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INT 94VD - “Puppet Design and Creation”

- **Seminar Type:** First Year Exploration
- **Department:** Theater and Dance  805-893-5508
- **Instructor:** Christina McCarthy
- **Instructor Email:** cmccarthy@theaterdance.ucsb.edu
- **Day - Time - Room:**  Monday 9:00-9:50 Online
- **Enroll Code:** 28506

**Course Description:** Build your own rod style puppet while immersing yourself in learning about various building techniques translatable to many puppet styles including shadow puppets, marionettes, and large scale parade puppets. Each student will design and fabricate their own puppet and have the opportunity to delve into simple mechanisms for realistic body movement.
Bio: Christina McCarthy is a multimedia artist working in dance, theater, puppetry and film, embracing all of these forms as she seeks to tell stories in innovative ways. As a former student of Engineering, she decodes the mechanisms to give puppets realistic movement qualities with rudimentary building materials. She is a maker of animated performance space.

INT 94VT - “The Beautiful Sentence”

- **Seminar Type:** First Year Exploration
- **Department:** Writing Program
- **Instructor:** Craig Cotich
- **Instructor Email:** cotich@ucsb.edu
- **Day - Time - Room:** Wednesday 11:00-11:50 Online
- **Enroll Code:** 58065

**Course Description:** In this seminar, students will be led from an introduction to the sentence to more complex forms of the sentence. Each week, we will focus on a specific kind of sentence, and students will write their own sentences of each kind. Not only will they learn about different forms of cumulative sentences, but they will also work with their own and others’ writing, helping to craft more effective and elegant sentences.

Bio: Craig Cotich teaches Grammar and Stylistics, Professional Editing, Writing for Public Speaking, Advanced Public Speaking, as well as a range of academic writing courses. Specializing in two areas within the UCSB Writing Program, he directs the Professional Editing track of the minor and chairs the ACE program.

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:** 65318

**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.