

Winter 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.

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 89AR - "Learning and Place"

- **Seminar Type:** *First Year Linked*
- **Department:** Undergraduate Education & Writing Department
- **Instructor:** Linda Adler-Kassner & Amy Propen
- **Instructor Email:** ladler@ucsb.edu, propen@writing.ucsb.edu
- **Day - Time - Room:** Monday 4:00-5:50 Online
- **Enroll Code:** 66761

Course Description: Though we often take "place" for granted -- for instance, we are "in a place" -- it's actually a very complicated concept. We can have a "sense of place," a sense of connection to a place that makes us feel at home. We also can make and re-make place through our interactions and experiences. Our understanding of place matters for learning, too, since we learn in places and bring what we know from place to place. We are in the midst of a global pandemic that requires that we limit our experiences of places in ways that reshape how we interact in the world and with others around us. Remote learning is perhaps the quintessential example of a mode of interaction that has been affected by these changes in how we understand place at this moment in time. This discovery seminar will look at and complicate ideas about place, specifically as they pertain to being a student at UCSB, and what it means to take part in a learning community during a time when learning must take place from a relative distance.

Bio: **Linda Adler-Kassner** is Professor of Writing Studies and Faculty Director of the Center for Innovative Teaching, Research, and Learning. She teaches courses in writing and civic engagement, and also faculty seminars. She has worked with students learning to study and practice with different genres of writing for more than 30 years. Her interest in writing, learning, and place comes from her work thinking about learning and belonging with students and faculty across UCSB and other institutions.

Amy Propen is Associate Professor of Writing and a participating faculty member in the Interdepartmental PhD Emphasis in Environment & Society. She teaches courses in rhetoric and professional writing, including Writing About Sustainability, Multimedia Writing, and Environmental Rhetoric. Her interest in writing, learning, and place comes from her combined background in geography and professional writing. She is interested in the connections between how we write and communicate about place, and how those discourses can shape our understandings of and ideas about our responsibilities to the worlds that we inhabit.

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 4:00-5:50 Online ***This seminar will meet the first 5 weeks of the quarter**
- **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 94VD - "Puppet Design and Creation"

- **Seminar Type:** *First Year Exploration*
- **Department:** Theater and Dance
- **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.

**This seminar requires shipping of construction supplies for building your puppet. Unfortunately, due to COVID, if you are living outside the USA, we cannot ship to your location at this time.*

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 10:00-10:50 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 94WB - “Money talks: Financial literacy 101”

- **Seminar Type:** *First Year Exploration*
- **Department:** Communication
- **Instructor:** Walid Afifi
- **Instructor Email:** W-AFIFI@UCSB.EDU
- **Day - Time - Room:** Tuesday 2:00-2:50 Online
- **Enroll Code:** 67157

Course Description: This seminar hosts weekly guest speakers who will provide students with basic financial literacy information and tools. Covered topics will include financial planning, financial aid, budgeting, credit card debt, and an introduction to stock market investment, among other issues of interest to students. The class is meant to be introductory. Students are encouraged to ask even the most basic questions without fear of judgment. The class will be a safe, welcoming space for all to learn.

Bio: Walid Afifi is a Professor in the Department of Communication. He is committed to research, teaching, and service that involves and empowers all communities, and has been recognized for that commitment by UCSB’s Resource Center for Sexual and Gender Diversity through an Esteemed Ally Award, and through the Margaret Getman Service to Students Award. This class emerged from a community engagement course he teaches in which students identified a need for more financial literacy resources.

INT 94WD - “Writing and Designing for the Web”

- **Seminar Type:** *First Year Exploration*
- **Department:** Writing Program
- **Instructor:** Madeleine Sorapure
- **Instructor Email:** sorapure@writing.ucsb.edu
- **Day - Time - Room:** Thursday 5:00-5:50 Online
- **Enroll Code:** 67165

Course Description: This is a project-based course in which you'll create a website or blog on a subject that you choose. You'll define your topic and audience, learn key characteristics of effective web writing and design, and create a multimedia, interactive, engaging website or blog. There's no cost and the course is designed for beginners.

Bio: Madeleine Sorapure is director of the Writing Program and of the Multimedia Communication track of the Professional Writing Minor. Her teaching and research focus on digital composition, web design, and data visualization.

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.

INT 94WI - "The Role of the NAACP in American State Formation & Development"

- **Seminar Type:** *First Year Exploration*
- **Department:** Center for Black Studies Research
- **Instructor:** Sharon Tettegan
- **Guest Lecturer:** Dr. Michael K. Dzordzormenyoh
- **Instructor Email:** stettegan@ucsb.edu, mdzordzormenyoh@ucsb.edu
- **Day - Time - Room:** Wednesday 11:00-11:50 Online
- **Enroll Code:** 66944

Course Description: Current racial injustice and demands for equity/justice in the United States remains a complex and perplexing issue to both scholars and pundits. Over the course of American history several civic organizations like the National Association for Advancing Colored People (NAACP) played an important role in shaping issues on racial justice and equity and the formation of the American state. However, most of the literature on the development of the American state minimized the role of these civic organizations like the NAACP. In this course we will explore the role of the NAACP in the development of the American state. Furthermore, we will use this historical knowledge to inform our understanding of how to perceive and understand the current racial issues permeating the United States.

Bio: **Professor Tettegan** is currently the Director for the Center for Black Studies Research and Professor in the Department of Black Studies at UC Santa Barbara. She is currently associate editor for Oxford University Press, Interacting with Computers, reviewer for American Society for Engineering Education, and Journal of Educational Computing Research. Her portfolio included faculty appointments at the Beckman Institute for Advanced Science & Technology, National Center for Supercomputing Applications at the University of Illinois, Urbana Champaign, XSEDE campus champion UNLV & UCSB, and leadership roles as the Director for the Center for Black Studies Research, former roles as Associate Dean for Research and Sponsored Programs in the College

of Education at the University of Nevada, Las Vegas, former National Science Foundation Program Officer where she managed programs in the Division of Research on Learning and Computer and Information Science and Engineering, Chair of the American Psychological Association's Continuing Education Committee, Gubernatorial Appointment as a member of California's Interagency Council on Early Intervention, Chair of the Committee for Early Career Psychologists and Treasurer Elect at the American Psychological Association's Division 15.

Michael Kwame Dzordzormenyoh, Ph.D., is a Postdoctoral Fellow at the Center for Black Studies Research (CBSR) at the University of California, Santa Barbara. He received his Ph.D. from the University of South Dakota and his masters from the University of Akron. His teaching and research interests are in American Politics, Public Administration, Public Policy, Criminal Justice and Race related issues.

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:** 66951

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.