

Hi CEE Graduate Students,

Please see this week's announcements below:

Job Opportunities

ANT Spring 2022 - Open TA positions

Spring 2022 TA Opportunities in Sociology

School of Education - Spring 2022 TA Positions

Tenure Track Assistant Professor of Environmental Engineering at the University of Hawai'i at Manoa

Geotechnical Engineering Faculty Position at the University of Delaware

GSR opportunity Spring/Summer 2022: Sustainable Bioproducts from Algae

Geotechnical Engineer for Baur Associates

Professional Development and New Courses

Annual 3-Minute Elevator Pitch Competition

PhD & Master's Virtual Career Expo

EDU 398 Seminar on College Teaching

UC Davis MATLAB Day

Volunteers Needed for Middle School STEM Outreach

Wed. March 9 @3:10pm - CAMPOS Research Colloquium | Theanne N. Griffith

New Course: ECH 198 – Process Safety

Scholarships

Food Systems Innovation Award Program

Job Opportunities

ANT Spring 2022 - Open TA positions

The Department of Anthropology is seeking Teaching Assistants for the following 4 courses listed below:

ANT 2

Course Description: Introduction to cultural diversity in its many forms and methods used by anthropologists to account for it. Relational dynamic of culture, history, and power in constituting "social facts" and "realities." Critical thinking of contemporary concerns

ANT 30

Course Description: Introduction to the study of sexuality, particularly to the meanings and social organization of same-sex sexual behavior across cultures and through time. Biological and cultural approaches will be compared, and current North American issues placed in a wider comparative context.

ANT 127

Course Description: Survey of approaches to urban living: political structures, organization of labor, class relations, world views. The evolution of urban life and its contemporary dilemmas. Cross-cultural comparisons discussed through case studies.

ANT 129

Course Description: Recent works in medical anthropology and the science studies of medicine dealing with social and cultural aspects of global health issues such as AIDS, pandemics, clinical trials, cultural differences in illnesses, diabetes, organ trafficking, medical technologies, illness narratives, and others.

Each position is 50% time. The TA will attend course lectures; lead discussion sections; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold office hours every week.

Required Qualifications:

- Must have attended, or will attend prior to beginning this position, the mandatory [CEE TA orientation \(offered every September\)](#).
- Must complete [Sexual Harassment Prevention Training](#) online prior to beginning position.
- Must be eligible to hold a [graduate academic appointment](#).

Preferred Qualifications:

- Undergraduate or graduate work in Anthropology or related field
- Experience as a teacher, TA, Reader, and/or AI

Application Details:

To apply, please indicated what course you are applying to, send CV and cover letter describing your qualifications to Sayrar Chansomebath at schansomebath@ucdavis.edu .
Handshake Job #: 6096288

Spring 2022 TA Opportunities in Sociology

The Department of Sociology is seeking Teaching Assistants for Spring 2022:

SOC 001—Introduction to Sociology

Lecture—4 hour(s); Discussion—1 hour(s). Principles and basic concepts of sociology. The study of groups, culture, collective behavior, classes and caste, community and ecology, role, status, and personality.

SOC 004—Immigration & Opportunity

Lecture—3 hour(s); Discussion—1 hour(s); Term Paper. Social and demographic analysis of immigration: motives and experiences of immigrants; immigration and social mobility; immigration, assimilation, and social change; multicultural societies. Detailed study of immigration into the U.S., with comparative studies of Europe, Australia, and other host countries.

SOC 046—Introduction to Social Research Methods

Lecture—3 hour(s); Discussion—1 hour(s). Examination of logic and methods of sociological research. Selection and definition of problems of investigation, data-gathering techniques, and sampling.

SOC 162—Society, Culture, & Health

Lecture—3 hour(s); Term Paper/Discussion—1 hour(s). Prerequisite(s): SOC 001, SOC 002, SOC 003, or SOC 006 recommended. Analysis of how socio-cultural factors shape illness experience. Evaluation of how certain conditions come to be understood as health conditions; illness identities and biographies; doctor-patient interactions; biomedical cultures; how race, ethnicity, and gender shape health practices.

These position are 50% time, in person and on campus. The TA will attend course lectures; lead two discussion sections each; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold 2 office hours per week.

Required Qualifications:

- Must have attended, or will attend prior to beginning this position, the mandatory [CEE TA orientation \(offered every September\)](#).
- Must complete [Sexual Harassment Prevention Training](#) online prior to beginning position.
- Must be eligible to hold a [graduate academic appointment](#).

Preferred Qualifications:

- Undergraduate or graduate work in sociology or related field
- Experience as a teacher, TA, Reader, and/or AI

Application Details:

To apply, please send CV and letter describing your qualifications to Jacque Leaver at jjleaver@ucdavis.edu

Or apply through Handshake Job #6097099.

SOC 178—Punishment & Corrections

Lecture—3 hour(s); Term Paper. Prerequisite(s): SOC 001, 002, or 003 recommended. Origins, characteristics, and consequences of various sanctions and punishment regimes including fines, banishment, incarceration, deportation, and execution. GE credit: SS. Effective: 2017 Spring Quarter.

This position is 50% time, in person and on campus. The TA will attend course lectures; lead two discussion sections each; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold 2 office hours per week.

Required Qualifications:

- Must have attended, or will attend prior to beginning this position, the mandatory CEE TA orientation (offered every September).
- Must complete Sexual Harassment Prevention Training online prior to beginning position.

- Must be eligible to hold a graduate academic appointment.

Preferred Qualifications:

- Undergraduate or graduate work in sociology or related field
- Experience as a teacher, TA, Reader, and/or AI

Application Details:

To apply, please send CV and letter describing your qualifications to Jacque Leaver at jjleaver@ucdavis.edu
Or apply through Handshake Job #6130635

School of Education - Spring 2022 TA Positions

The following positions are now open in Handshake:

Edu 100 - TR 3-4:30 - Job #6101509

Edu 100 - TR 4:30-6 - Job #6101548

Edu 185 - MW 2-4 - Job #6101555

One 25% position each. The TA will attend course lectures; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold two office hours per week. Instructor can arrange for other duties as needed. Attendance in person required

Required Qualifications:

Must have attended the mandatory [CEE TA orientation \(offered every September\)](#).
Must complete [Sexual Harassment Prevention Training](#) online prior to beginning position
Must be eligible to hold a [graduate academic appointment](#).

Preferred Qualifications:

Undergraduate or graduate work in education or related field
Experience as a teacher, TA, Reader, and/or AI

Edu 120 - TR 4:30-6, Discussions T 6-7, R 8-9, R 3-4 - must be available for all three discussions - Job #6105964

One 25% position. The TA will attend course lectures; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold one discussion section TBD and hold two office hours per week. Instructor can arrange for other duties as needed. Attendance in person required

Required Qualifications:

Must have attended the mandatory [CEE TA orientation \(offered every September\)](#).
Must complete [Sexual Harassment Prevention Training](#) online prior to beginning position

Must be eligible to hold a [graduate academic appointment](#).

Preferred Qualifications:

Undergraduate or graduate work in education or related field

Experience as a teacher, TA, Reader, and/or AI

Tenure Track Assistant Professor of Environmental Engineering at the University of Hawai'i at Manoa

The University of Hawai'i at Manoa (UHM) welcomes applications for a tenure-track faculty position in Environmental Engineering at the rank of Assistant Professor. This is a full-time and general fund position with split appointments in the Department of Civil and Environmental Engineering (CEE, position No. 84299) and the Water Resources Research Center (WRRRC, position No. 88651). Review of applications will begin on March 28, 2022. While candidates who complete their applications by March 28, 2022 will receive full consideration, the department will continue to consider exceptional applicants until the position is filled. The anticipated start date of the position, pending administrative approval and availability of funds, is August 1, 2022 or as soon as possible thereafter.

For more information, and to apply for this position, please go to Assistant Professor COE #84299 and WRRRC# 88651

Geotechnical Engineering Faculty Position at the University of Delaware

Position Statement:

Candidates are sought with expertise in emerging and transformative areas of geotechnical engineering, who also have interests in collaborative research. Potential areas of research interest include but are not limited to: coastal geotechnics, sustainable energy and energy geotechnics, smart cities, geotechnical impacts of climate change and sea level rise, geotechnical flood protection systems, unsaturated soil mechanics, environmental geotechnics, and biogeotechnics.

Essential Duties and Responsibilities: The successful applicant will: 1) Establish an externally funded research program in geotechnical engineering and related areas; 2) advise, mentor, train, and support graduate students; 3) advise, mentor, train, and support undergraduate students in research and professional development; 4) work with state and government agencies on basic and applied research; 5) work on interdisciplinary teams to tackle pressing problems in geotechnical engineering; and 6) promote diversity, equity, and inclusion within the discipline, Department, and University.

About UD: The University of Delaware provides an outstanding research base for interdisciplinary research. Within the Department, research programs exist in structural, environmental, coastal, transportation, civil infrastructure, railway, and construction engineering, with a strong focus on sustainability in the built and natural environments. The Delaware Environmental Institute (www.denin.udel.edu), the Delaware Center for Transportation (sites.udel.edu/dct), the University of Delaware Energy Institute (dei.udel.edu), the Mangone Climate Change Science and Policy Hub (sites.udel.edu/climatechangehub/), and the Center for Energy and Environmental Policy (sites.udel.edu/ceep) are catalysts for interdisciplinary research in the areas of infrastructure, environment, and energy on campus. The state-of-the-art 194,000-square-foot Interdisciplinary Science and Engineering Laboratory (www1.udel.edu/iselab) provides a focal point for research and teaching on campus.

The Department of Civil and Environmental Engineering has 31 faculty members, approximately 400 undergraduate students, and 120 graduate students. The Department has state-of-the-art facilities and instruments for laboratory and field experiments and computing.

One of the oldest institutions of higher education in the United States, the University of Delaware (www.udel.edu) today combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology. The University of Delaware is a Land Grant, Sea Grant, Urban Grant and Space Grant institution with its main campus in Newark, DE, located halfway between Washington, DC and New York City. As a recipient of a NSF ADVANCE Institutional Transformation award, the University of Delaware has a service to assist dual-career couples and supports work-life balance through family-friendly policies.

Qualifications Required:

- An earned doctoral degree in civil engineering or a closely related field
- Promise in (Assistant) or demonstrated (Assistant/Associate) success in securing competitive external funding
- Success in scientific/engineering research demonstrated by peer-reviewed publications
- Capacity and ability for excellence in teaching and mentoring
- Excellent written and oral communication skills
- Commitment to diversity, equity, and inclusion within the discipline, Department, and University

Qualifications Preferred:

- Post-doctoral experience (Assistant)
- Record of external competitive funding
- Experience with curriculum development and teaching graduate and undergraduate courses
- History of interdisciplinary collaboration

Application: Applicants should submit the following as one document: (1) A cover letter summarizing their experience, (2) a curriculum vitae, (3) a two-page research plan, (4) a two-page teaching plan, which includes the candidate's vision for mentoring a diverse student population, and (5) the names and contact information of three references. All application materials will be shared with departmental faculty.

How To Apply

Review of applicants will begin immediately. The tentative start date is August 15, 2022.

Questions about this search should be directed to
Professor Christopher Meehan (cmeehan@udel.edu)

Applications close: Open until filled

GSR opportunity Spring/Summer 2022: Sustainable Bioproducts from Algae

We seek a GSR to contribute to Department of Energy-funded projects related to the production of bio-based chemicals, fuels, polymers, and other chemical products produced from algae. The primary responsibility of the GSR will be development of process simulation models and techno-engineering models to support life cycle assessment and techno-economic analysis (LCA-TEA) of novel algae-derived products.

Required qualifications: Experience with SuperPro Designer (or a similar process simulation tool).

Desired (but not required) qualifications: Knowledge of algae production systems, fermentation systems for biochemical production, familiarity with TEA and LCA methods, and enthusiasm for bio-based production systems/renewable materials/biodegradable plastics.

If interested, please contact Alissa Kendall (amkendall@ucdavis.edu) and use the following email subject line "Algae GSR: [your] First and Last Name." The email should include: your current degree program and year of study and 1 paragraph describing your interest in the project, and confirmation of your experience using one or more relevant process simulation tools. Please also include a CV not to exceed 2 pages - you can recycle one from other job/school applications - the goal is just to see your previous educational and professional history, as well as 2 or more references - your references will not be contacted prior to an interview.

If you currently work with another professor (especially if you are funded by them), please discuss this opportunity and make sure it aligns with any current or future research plans.

Geotechnical Engineer for Baur Associates

Baur Associates, Inc. has an immediate opening for a Geotechnical Engineer. We are a full-service, geotechnical engineering and geologic firm in the Northern California Bay Area.

Requirements for this position include:

- Bachelor's Degree in Civil Engineering (BSCE).
- Passed FE/EIT Exam.
- Ability to work on several projects concurrently.
- Ability to focus on the details of a project while understanding the big picture from the project team perspective.
- Strong verbal and written communication skills.
- Ability to work both independently and collaboratively on a project team, with demonstrated time management skills.
- Construction related experience preferred, but not required.

This is a full-time position with excellent benefits, including medical, retirement, holiday, and sick and vacation time.

Salary: commensurate with experience

TO APPLY: Please submit your resume with a cover letter explaining your reason for interest in this position to art@bauergeotech.com

Professional Development and New Courses

Annual 3-Minute Elevator Pitch Competition

The CALESS (Chicanx and Latinx Engineers and Scientists Society) graduate group is excited to announce our 2nd annual 3-Minute Elevator Pitch Competition!

This competition seeks to promote the representation and success of Chicanx and Latinx STEM graduate students at UC Davis and is a great opportunity to practice presenting your research proposal to a broad audience with a chance to compete for awards.

Over \$3000 in awards will be presented to the top 6 finalists, with the top presenter earning \$1000 sponsored by the PROMISE Engineering Institute (PEI)!

You do not need to be a CALESS member or identify as Hispanic/Latinx to apply.

The application is due on March 23rd, and can be found here: <https://bit.ly/caless-pitchcomp-22-app>

We hope to get a diverse group of grad students across from various STEM disciplines across campus, and would love for you to join us on April 29th! Please reach out to us at caless.gradstudents@gmail.com with any questions.

PhD & Master's Virtual Career Expo

All graduate students, postdocs, and grad alumni are invited to the PhD & Master's Virtual Career Expo on March 9, 2022 from 8am-2pm PT! This free virtual event is sponsored by the Graduate Career Consortium (GCC). The event's mission is to connect PhD and Master's students, Postdocs and Alumni from STEM, Humanities, and Social Sciences to employers for networking and recruitment. Currently, 60+ employers are attending.

Who is invited?

UC Davis graduate students, postdoctoral fellows, and grad alumni from Science, Technology, Engineering, Mathematics, Humanities, Arts, and Social Science disciplines

Candidates can be seeking full-time jobs, internships, fellowships, or postdoctoral opportunities

Register now at CareerEco.com/Events/GCC

EDU 398 Seminar on College Teaching

Seminar on College Teaching to be held in the new Teaching and Learning Complex in Spring 2022
Are you interested in learning more about effective teaching at the university level? Do you want to improve your teaching skills to get ready for the job market? If so, consider enrolling in EDU 398: Seminar on College Teaching, scheduled to be held in the new Teaching and Learning Complex on campus during the Spring 2022 quarter.

The Seminar on College Teaching (EDU 398) is an interactive course designed to help graduate students and postdoctoral scholars develop essential skills for effective instruction in college-level courses. If you plan to teach face-to-face, hybrid, and online courses in your career, this class provides you with core skills for implementing research-based practices for university teaching.

Students engage with peers in thought-provoking discussions and activities about the implementation of pedagogical techniques. For more information, visit: <https://cee.ucdavis.edu/courses>. For a CRN or to ask questions, e-mail Patricia Turner at pturner@ucdavis.edu.

UC Davis MATLAB Day

We are delighted to invite you to an in-person UC Davis MATLAB Day **on Wednesday, March 9th from 11:30 am - 2 pm at Kemper 1127**. MATLAB Day events are complimentary and open to everyone on campus. A prior MATLAB knowledge is not required.

The following sessions will be presented by MathWorks engineers, and you will have time for Q&A – use this time to ask our engineers anything about MathWorks tools, Open Source, and the Future of AI!

Session 1: Introduction to MATLAB (11:30 am -12:30 pm)

Presented by Dr. Aycan Hacioglu, MathWorks Customer Success Engineer

Session 2: Using MATLAB with Python Seminar (12.30 pm-2 pm)

Presented by Dr. Heather Gorr, MathWorks Senior MATLAB Product Manager

Please view the detailed agendas and register here:

<https://forms.office.com/r/7bzczyYrdk>

Volunteers Needed for Middle School STEM Outreach

STEM Squad is an after school STEM program for middle school students facilitated by the UC Davis graduate student organization Equity in Science, Technology, Engineering, Math, and Entrepreneurship (ESTEME).

We are looking for volunteers to help facilitate activities in-person at Holy Rosary Catholic School and Winters Middle School next quarter. There is no experience or specific knowledge background required - just a passion for STEM and a willingness to work with and encourage inquisitive, intelligent, and energetic kids!

Check out our STEM Squad Calendar for the dates and times of all of our activities and prep sessions this year.

To sign up to be a STEM Squad volunteer (help facilitate activities) this spring, please fill out this form.

To sign up to be a STEM Squad activity lead (design and lead activities) this spring, please fill out this form.

If you have questions, please contact our volunteer coordinator, Hannah Nelson (hnelson@ucdavis.edu).

Wed. March 9 @3:10pm - CAMPOS Research Colloquium | Theanne N. Griffith

New Course: ECH 198 – Process Safety

Scholarships

Food Systems Innovation Award Program

The Innovation Institute for Food and Health (IIFH) and Venture Catalyst are now accepting applications for the 2022 Food Systems Innovation Award Program, which focuses on funding proof-of-concept innovations utilizing cutting-edge technologies to improve metabolic health outcomes by providing easily accessible food and health choices that support happier, healthier, longer lives for everyone.

The Food Systems Innovation Award helps bridge the gap between discovery and commercialization by providing two key resources:

An opportunity to showcase the research to investors for feedback and guidance
Funding that will help drive research to address market needs

The ultimate objective of the program is to develop metabolic health driven products and services that attract and build relationships with investors, entrepreneurs, and industry professionals to support the commercialization of UC Davis technologies, resulting in easily accessible food and health choices that support happier, healthier, longer lives for everyone.

If you would like to request an overview presentation or an info session, please email fsiaward@ucdavis.edu

Attached is the RFA. Submitted applications should include the [application form](#), a [one-page Executive Summary](#) and biographical sketch for the PI and/or co-PI in a **single PDF format**. Send in your application materials to fsiaward@ucdavis.edu.

You can also download the application form, executive summary template and the RFA at the following URL:

<https://itc.ucdavis.edu/food-systems-innovation-award-program/>

The application deadline is April 5th.