

Hi CEE Graduate Students,

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Get Involved on Campus

2021-22 Outstanding Graduate Student Teaching Award - Call for Nominations

Applications are open for the 2021-22 Outstanding Graduate Student Teaching Award. This award recognizes the contributions of graduate students to teaching and learning at UC Davis.

This is a tremendously important award because it honors outstanding graduate students, reminds the campus that teaching is a central part of the university's mission, and can inspire students and professors to give increased attention to the educational process.

Any member of the campus community having direct experience with the graduate student's teaching can initiate nominations, and they particularly encourage undergraduate students to nominate their outstanding graduate student teaching assistants. Self-nominations are also allowed.

Any Graduate Student nominated for OGTA Award must have taught a course during one of the following terms: Winter 2021 (202101), Spring 2021 (202103), Summer I 2021 (202105), Summer II 2021 (202107), Fall 2021 (202110)

Nomination requirements and forms are available on-line at: <https://gradstudies.ucdavis.edu/faculty-staff/graduate-council/outstanding-graduate-student-teaching-award> Nominations are due March 7, 2022. The [Initial Nomination Form](#) is online.

The final deadline for all application materials is Monday, April 18, 2022. All eligible nominees will be invited via email to submit a full application online. This application will consist of an application form, a teaching philosophy statement, and the teaching evaluation summary for the specified nominated course. Full applications are due April 18, 2022.

Student Parent Support Group

The Parenting in a Pandemic initiative is kickstarting a support group for student parents and their partners with a series of three virtual conversations with child and parenting experts in order to provide space for guided discussions and tools for maintaining health and wellbeing amidst the pandemic. All parents, including expecting ones, are welcome.

Applications now open! GSoC Mentoring Program

Applications are now open for the 2021/2022 GSoC Mentoring Program. Are you looking for ways to **support** Graduate Students of Color? Would you like the opportunity to provide **mentorship** to such students? Are you interested in becoming a **mentee** to a faculty member on campus outside of your regular academic relationships?

The Cross Cultural Center (CCC) invites you to join us for one of our 2021/2022 Graduate Students of Color (GSoC) Mentorship Program. Graduate Students of Color & Faculty from across all disciplines are welcome to attend any info session or apply directly at the links below. The GSoC Mentoring Program holistically supports its graduate student participants as they navigate the rigors of graduate school. **Applications close at the end of day Tuesday, December 7, 2021.** Please see the attached pdfs for more information.

[Application link to become a Mentor](#)

[Application link to become a Mentee](#)

To RSVP for their Info sessions go to our <https://linktr.ee/CCCUCD>

The Cross Cultural Center Invites
you to apply to the

GRADUATE STUDENTS OF COLOR MENTORING PROGRAM

Applications are now open! Graduate Students of Color & Faculty from across all disciplines are welcome to apply for mentor / mentee partnerships. This is a 2-quarter program beginning in Winter 2022 with the goal of assisting in the retention of UC Davis graduate students from historically marginalized communities. Application close Tuesday, December 7th

To RSVP to our inform sessions go to linktree.com/CCCUCD
Info Sessions: Monday 11/22 & Thursday 12/02

Contact Analisa Brown @
anabrown@ucdavis.edu for more info



EERI Lecture

Monday November 29th from 11 AM to 12 PM in 1007 Ghausi there will be an EERI lecture with Professor Rudolph. Please see the attached flyer for more information.

RSVP link: <https://forms.gle/nhnX4kB1A7HnW5Tn8>

New library services for graduate students

Stephen Kiyoi from the Researcher Services team at the UC Davis Library is a part of a new library team, focused on in-depth support for graduate students and faculty. Here's a list of some of their new services. Please send them a message at researcherservices@ucdavis.edu if you'd like to learn more about how they can support your work:

Systematic Search: We consult and partner in higher-level search, retrieval, and synthesis of both literature and data. We also advise on the appropriate level of search for the amount of time, availability of literature, and type of research question.

Research Data: We provide consultation and support for 1) creating data management plans, 2) locating and accessing statistics and datasets, and 3) selecting appropriate data repositories that meet publisher and funder requirements and facilitate more open and reproducible research.

Bibliometric Analysis: We consult and partner on using bibliometric databases and methodologies to demonstrate research impact and identify patterns of potential research collaborations. We also help develop strategies for publication management and tracking, and advise on cultivating a professional online research identify using linked data.

Library Navigation: We offer consultation on navigating collections in the Library and beyond, including navigating the information landscape of specific disciplines. We can also help connect you with specialized library teams to answer specific questions related to data analysis, scholarly communication, library collections, unique historical materials, and more.

Need a safe space for your personal belongings while on campus? The library offers long-term use lockers are available for a quarter loan at the Shields Library and Carlson Health Sciences Library (CHSL). Shields lockers may be requested online: <https://forms.library.ucdavis.edu/lockers/>. CHSL lockers may be borrowed in-person at the CHSL Circulation Desk.

Professional Development

ASEE CDEI Upcoming Workshops!

The ASEE CDEI virtual workshop team is excited about our upcoming workshops! Please see the list below to learn more and register!

Upcoming Workshops:

- December 10, 2021, at 2:30 PM (ET)—Culturally Relevant Pedagogy in Engineering: Examining How Who We Are Informs How We Teach [\[Learn More\]](#)
- January 21, 2022, at 2:00 PM (ET)—NAVIGATE: A Case Study Approach to Overcoming Barriers to Advancement for Women in STEM [\[Learn More\]](#)

If you are interested in hosting a workshop, please complete the [form](#) by December 1, 2021, for Spring Submissions and April 13, 2022 for Summer Submissions.

Note: The first geared toward engineering educators and the second for women in STEM (graduate students or recent graduates). Note that times are listed as Eastern Time.

Job Opportunities

Envision and Graduate Pipeline Programs GSR (Winter 22)

Invitation for the Envision and Graduate Pipeline Programs GSR opening

Graduate Student Researcher (GSR)
Winter 2022 with potential to be extended, 50%

The Graduate Pipeline Programs Unit in Graduate Studies at UC Davis aims to develop pipelines for students to get involved in research and pursue a graduate degree. Graduate preparation programs (Guardian Professions Program, McNair and UC LEADS), UCDGAP and Envision UC Davis program are housed and managed by the unit. The Envision and Graduate Pipeline Programs GSR will support the unit's activities.

To apply, please send a CV and a cover letter to envision@ucdavis.edu with "Envision GSR" in the subject line. Graduate students that were participants in graduate preparation programs (McNair, UC LEADS, LSAMP, MARC...etc.) are highly encouraged to apply. The first review of applications will take place November 30, 2021.

DWR Weekly Jobs

The Department of Water Resources has many exciting career opportunities available and is committed to hiring and retaining quality employees.

The following positions have been posted this week:

Position Posted This Week	Location	JC	Filing Deadline
<u>ASSOCIATE GOVERNMENTAL PROGRAM ANALYST</u>	Sacramento	277898	11/29/2021
<u>CHIEF HYDROELECTRIC PLANT OPERATOR</u>	Los Angeles	278570	12/2/2021
<u>CONSTRUCTION SUPERVISOR II WATER RESOURCES</u>	Yolo	274383	12/3/2021
<u>ENGINEER, WATER RESOURCES</u>	Sacramento	277641	12/2/2021
<u>ENGINEERING GEOLOGIST</u>	Sacramento	277405	12/6/2021
<u>ENGINEERING GEOLOGIST</u>	Sacramento	271453	12/3/2021
<u>ENVIRONMENTAL PROGRAM MANAGER II</u>	Yolo	251831	12/1/2021
<u>HYDROELECTRIC PLANT ELECTRICIAN I</u>	Contra Costa	277068	11/29/2021
<u>HYDROELECTRIC PLANT ELECTRICIAN I</u>	Los Angeles	278614	12/2/2021
<u>HYDROELECTRIC PLANT ELECTRICIAN I</u>	San Bernardino	278619	12/2/2021
<u>HYDROELECTRIC PLANT MECHANIC I</u>	Los Angeles	278623	12/2/2021
<u>HYDROELECTRIC PLANT MECHANIC I</u>	Los Angeles	278862	12/2/2021
<u>INFORMATION OFFICER II</u>	Sacramento	277773	12/15/2021

<u>INFORMATION TECHNOLOGY SPECIALIST II</u>	Sacramento	278430	11/30/2021
<u>OFFICE TECHNICIAN (TYPING)</u>	Sacramento	277340	12/2/2021
<u>SENIOR ENVIRONMENTAL SCIENTIST (SPECIALIST)</u>	Sacramento	276643	12/17/2021
<u>SENIOR RIGHT OF WAY AGENT</u>	Sacramento	272070	12/16/2021
<u>STAFF SERVICES MANAGER I</u>	Sacramento	278135	11/30/2021
<u>STUDENT ASSISTANT -E&A</u>	Sacramento	278324	11/29/2021

Tenure-Track Assistant Professor in Atmospheric Sciences at the University of Utah

The Department of Atmospheric Sciences at the University of Utah invites applications for a tenure-track faculty position at the Assistant Professor level beginning as early as August 1, 2022. We seek scholars with diverse interests in the atmospheric sciences that relate to critical societal issues including, but not limited to, weather and climate impacts (e.g., water availability, floods, and droughts), hazardous weather and wildfires, and air quality and human health.

Successful applicants will be expected to develop a high-impact research program, use innovative teaching methods to promote undergraduate and graduate educational success, contribute to a diverse and inclusive environment within the Department and University, and have the potential to address societally-relevant challenges requiring interdisciplinary approaches and teamwork. We encourage applications from candidates using novel approaches related to measurements and/or modeling in atmospheric sciences and related fields. Applicants must have an earned Ph.D. in a STEM field by the negotiated start date, have excellent communication, interpersonal, and organizational skills, and have demonstrated potential to conduct and publish collaborative, high-quality research.

Inquiries may be addressed to the chair of the search committee, Prof. Kevin Perry (kevin.perry@utah.edu). Applicants should send the following documents, and adhere to the page limits for each section: (1) a cover letter that addresses your particular interest in the position and the University of Utah (one page), (2) a CV, (3) a description of your research accomplishments and independent research plans (two pages), (4) a description of your teaching experience and interests (one page), (5) a description of how your teaching, service and/or scholarship has supported the success of students from racial, ethnic, and gender backgrounds that are underrepresented in our academic field; applicants who have not yet had the opportunity for such experience should note how their work will further Utah's commitment to diversity (one page); (6) up to three publications or preprints, and (7) the names and contact information for three professional references. Applications will be accepted electronically in PDF format at <http://utah.peopleadmin.com/postings/125392>. Our review of applications will begin on December 10, 2021 but the position will remain open until filled.

For more details, see: https://atmos.utah.edu/faculty_search/index.php

Tenure track and Non-tenure track faculty positions in the area of Structural Engineering at SIU Carbondale

The School of Civil, Environmental and Infrastructure Engineering at SIU Carbondale has openings for one tenure track and one non-tenure track faculty position in the area of Structural Engineering. Please see the attached PDF for more information.

Faculty Position in Structures and Construction Management at Cal Poly Pomona

The Civil Engineering Department at Cal Poly Pomona has an assistant professor position in Construction Management and Structure areas. Please see the attached PDF for more information.

Faculty Positions in Environmental Engineering and Science at Northeastern University

The Departments of Civil & Environmental Engineering and Marine & Environmental Science at Northeastern University invite applications for tenure-track faculty positions in the areas of environmental and public health microbiology and ecological genomics. They seek candidates whose research addresses key challenges in sustainable water systems and coastal ecosystems, broadly defined. Both positions will be joint appointments, one with a primary appointment in the College of Engineering and the other in the College of Science; additional appointments may be made with other departments and colleges as appropriate.

For a primary appointment in Civil & Environmental Engineering, candidates investigating innovative engineering solutions across any aspect of the water microbiome are encouraged to apply. Questions can be directed to search committee chair Dr. Matthew Eckelman (m.eckelman@northeastern.edu) or to cee-water@coe.neu.edu.

For a primary appointment in Marine & Environmental Science, candidates who leverage genomic approaches and data to study and improve the sustainability of ecosystems challenged by environmental change are encouraged to apply. Questions can be directed to department chair Dr. Geoff Trussell (g.trussell@northeastern.edu).

The full position descriptions and information on how to apply can be found on the Northeastern Career site: <https://bit.ly/3qwqih7>

Open Faculty Position at Virginia Tech

The Structural Engineering and Materials Group at Virginia Tech has an open faculty position at the Assistant/Associate rank with an emphasis area in one or more of the following: structural steel systems; computational mechanics and analysis; structural systems and reliability.

Application link below

<https://careers.pageuppeople.com/968/cw/en-us/job/517854/tenuretrack-faculty-positionstructural-engineering-and-materials>

Tenure-Track openings (EnvE & Eng Mech) at Univ. of Vermont

Multiple Tenure-Track Faculty Positions in Civil and Environmental Engineering – The University of Vermont

The Department of Civil & Environmental Engineering at the University of Vermont (UVM) invites applications for tenure-track faculty positions for Fall 2022:

1) Tenure-Track Full Professor of Environmental Engineering and State Director of EPSCoR (Position #00023331) – We seek highly qualified applicants for a tenured full professor in environmental engineering, who will also serve as the State Director of Vermont's Established Program to Stimulate Competitive Research (EPSCoR) leading expansion of UVM's research portfolio at the nexus of human and natural systems, as part of the position. EPSCoR establishes partnerships with government, higher education and industry and is designed to make lasting improvements in the state's research infrastructure, capacity, and national competitiveness. The EPSCoR State Director will work closely with the [UVM Vice President for Research](#) to integrate existing multi-agency [EPSCoR initiatives](#) and expand participation across campus. Prior experience with EPSCoR programs is desirable. The CEE department emphasizes interdisciplinary research with collaborators in social science, policy, and public health. Campus-wide collaborative opportunities include: Gund Institute for Environment, Lake Champlain Sea Grant, Complex Systems Center, Transportation Research Center, UVM Extension, Advanced Genome Technologies Core, Larner College of Medicine, Vermont Biomedical Research Network, Vermont Space Grant Consortium, Vermont Advanced Computing Core, Mass Spectrometry Core Laboratory, and the Microscopy Imaging Center. Applicants must have a Ph.D. degree in environmental engineering or a related field, an exceptional portfolio of cutting-edge research and teaching, and a prolific record of securing and managing research funding, particularly from federal agencies such as NSF, EPA and DOE. The candidate's research area should support existing applied and fundamental CEE faculty research on biological, chemical, or physical processes in the broad area of water systems and sustainability in natural and engineered environments.

2) Tenure-Track Assistant or Associate Professor in Environmental Engineering (Position #006305) – We seek candidates that complement existing research conducted within the department and across the university on physical, chemical, and biological processes for water and wastewater treatment and recovery of beneficial products from wastes, including those who combine experimental research with computational sciences. Priority will be given to individuals who can connect contemporary water and wastewater issues to regional, national, and global environmental and public health outcomes. The candidate will be expected to maintain an active program of externally-funded research and contribute to two separate ABET-accredited undergraduate education programs (Civil Engineering; Environmental Engineering) as well as teach CEE undergraduate and M.S. and Ph.D. graduate courses in their area of expertise.

3) Tenure-Track Assistant Professor in Engineering Mechanics and Materials (Position #004608) – We seek applicants who work at the frontier of their field towards enhancing the sustainability of the built and natural environments. We welcome applicants from all areas of engineering mechanics and materials that could complement existing research expertise within the department and the university. Topics of particular interest include but are not limited to computational solid mechanics, snow/ice mechanics, smart materials, mechanics of materials to support clean energy production and environmental remediation, and novel applications of machine learning in computational mechanics. Applicants should have an earned Ph.D. in civil engineering or a related field, have the ability to pursue an independent program of research and collaborate across disciplinary boundaries, and a strong commitment to both graduate and undergraduate mentoring including teaching courses in mechanics, materials and structural engineering.

The University of Vermont is an Affirmative Action/Equal Opportunity employer. Applications from women, veterans, individuals with disabilities and people from diverse racial, ethnic, and cultural backgrounds are encouraged. The University is especially interested in candidates who can support a culture of excellence at UVM, as articulated in Amplifying Our Impact, that is diverse and inclusive as envisioned in Our Common Ground.

The University of Vermont, established in 1791, is a comprehensive high-research university with a current enrollment of 12,000 undergraduate, graduate, and medical students. UVM's 2,385 full and part-time faculty generated \$277 million dollars in research funding in 2019. UVM's senior leadership is committed to continued research growth, and the university has recently invested heavily in research infrastructure including a new STEM building and a high-performance computing center. The University is located in Burlington, Vermont, often rated as the best small city in America for quality of life, featuring year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains. The City of Burlington is one of the most environmentally progressive cities in the nation, with 100% of residential energy from renewable sources. Burlington was named the #2 "great place to live in America" by Kiplinger's and Vermont was ranked the "Healthiest State in the USA" in 2019 by the United Health Foundation.

Application materials (4 documents) must be submitted online at <http://www.uvmjobs.com>, for posting numbers: Position #004608 & Position #006305: (1) cover letter with names and contact information for at least three references including at least one who can comment on teaching and mentoring abilities; (2) current curriculum vitae identifying specific areas of expertise; and statements of: (3) research interests and teaching interests; and (4) diversity impact.

Applications for posting number Position #00023331 must also include an additional document – (5) leadership experience and research management vision. Inquiries for position numbers Position #006305 & Position #00023331 may be addressed to Professor Arne Bomblies at abomblie@uvm.edu. Inquiries for position number Position #004608 may be addressed to Professor Eric Hernandez at eric.hernandez@uvm.edu.

Assistant Professor in Civil and Environmental Engineering at Rowan University

The Department of Civil and Environmental Engineering at Rowan University is seeking dynamic applicants for a tenure track position at the assistant professor level. Candidates should demonstrate the ability to teach effectively at the undergraduate and graduate levels, guide an active scholarly research program involving both undergraduate and graduate students, obtain funding from competitive external funding agencies and engage in relevant service activities. We seek applicants who are committed to promoting an equitable and inclusive learning environment for all.

U.S. News & World Report ranked Rowan University's undergraduate engineering program among the top 20 in the nation for 2022 in the magazine's much-watched "[Best Colleges](#)" issue. Now celebrating its [25th year](#), the Henry M. Rowan College of Engineering earned additional accolades for specific programs in the magazine's 2022 rankings:



- [Undergraduate Engineering, #19](#)
- [Undergraduate Civil Engineering, #15](#)

The Department of Civil and Environmental Engineering at Rowan University houses two major research centers a) [CREATES](#) (Center for Research and Education in Advanced Transportation

Engineering Systems) and the [Sustainable Facilities Center](#) and has a thriving research community with a growing graduate program.

The successful candidate is expected to contribute to the development of academic and research programs and to contribute to the research community. They are seeking outstanding candidates in structural engineering with focus on SMART infrastructure (structural mechanics; risk, reliability; resilience assessment; enhancement of infrastructure systems; structural health monitoring; structural dynamics and control; and machine-learning techniques)

Candidates must demonstrate excellent communication skills and a strong commitment to excellence in teaching, research and student mentoring. The successful candidate is expected to develop and maintain a strongly-funded research program and collaborate, as needed, with multi-disciplinary groups of faculty and professionals, including personnel at the Center for Research and Education in Advanced Transportation Engineering Systems (CREATEs) Rowan University. The successful candidate is also expected to apply innovative teaching techniques and/or conduct research in the scholarship of teaching.

Job details and application process can be found [here](#).

TA Opportunities

TA positions for Genetics & Society - SAS 20 Winter 22

The Department of Plant Pathology has two 50% TA positions for SAS 20 this Winter quarter.

Course Description:

SAS 20: Genetics and Society

Course goals:

1. To provide non-science majors with the basic concepts of genetic and modern methods of biotechnology.
2. To educate students in the process of scientific discovery.
3. Empower students to evaluate for themselves the present and future impact of genetics on society.

Application Details:

- To apply, please send two letters of reference to Theresa Garcia at tgarcia@ucdavis.edu
- Handshake job posting #5667165

TA position in GERMAN Spring 22

Handshake job #5666343

German TAs for FMS/GER 45

The German Department is seeking a Teaching Assistant for FMS/GER 045 "Vampires and other Horrors in Media and Film" (SPRING 2022).

This course will be taught in person.

TAs will be expected to attend classes with the professor MW 3:10-4pm, and run two live discussion sections by themselves, to be scheduled for WR late afternoons. TAs will also be expected to grade three sets of papers for the 40-50 students in their discussion sections, as

well as help conduct occasional quizzes and run half of the in-class screenings (they will be split between the 2 TA's; occur M at 5:10pm).

Must have completed CEE TA training and meet eligibility criteria to hold position.

Qualified applicants will:

- be available to attend weekly lectures and conduct weekly office hours.
- *independently run 2 weekly discussion sections
- * run ½ (50%) of the screenings for the class
- *grade papers and assist with quizzes
- *Must have attended the CEE TA orientation (offered each September)
- *Must complete Sexual Harassment Prevention Training line before beginning position.
- *Must be eligible to hold an academic appointment.

Preferred Qualifications:

- *Experience as a teacher, TA or Grader/Reader
- *Experience with Canvas technology
- *Graduate work in a related field

TA in Religious Studies Win22

Handshake #5680341

The Department of Religious Studies is seeking a 50% Teaching Assistant in Winter quarter 2022 for RST 23 - Introduction to Judaism, taught by Prof. Eva Mroczek.

Lecture—3 hours; discussion—1 hour. Course description:

This course surveys the history, practices, beliefs, texts, and traditions of Judaism both as a global phenomenon and as a part of American culture. Students will examine how various Jewish communities across history and the world have shaped and adapted their practices and beliefs within their own specific sociohistorical circumstances, and how they have understood their identity as Jews alongside their other racial, ethnic, and cultural identities. Students will critically examine a range of primary sources, and discuss topics like observance of holidays, dietary laws, diverse ideals regarding family life and sexual behavior, and relationships with other religious and cultural groups. Students will explore how Jewish identity, textual traditions, religious practices, race and ethnicity, and political circumstances combine to define “Judaism” differently in diverse times and places. The course will also give students an opportunity to discuss and complicate a foundational question of Religious Studies -- what is a "religion"? -- through the study of Judaism and Jewishness, which has been defined in various contexts not only through the category of religion, but also in terms of race, ethnicity, nationhood, peoplehood, tradition, and culture.

Teaching Assistant duties will include: attending lectures (TR 10:30 - 11:50 AM), leading two discussion sections per week, holding 2 office hours per week, grading student work, maintaining grade records, and other general course assistance.

TA must have attended the CEE's campus-wide TA orientation.

Qualifications:

Past course work or dissertation research related to the study of Judaism and/or experience grading and/or TAing in Religious Studies or Jewish Studies is preferred.