

From: [Rufa N Pazyuk](#)
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Subject: Graduate Student Announcements Part 2
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Hello Civil and Environmental Engineering Graduate Students,

Please be sure to look through the announcements this week! If you have any questions about the information below, please let me know.

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[Winter Courses 2020](#)

[ECI 289E: Structural Reliability \(ATTACHED\)](#)

This course will cover: (1) a short review of probability theory (random events, random variables, probability distributions, conditional probability, joint probability distributions, functions of single

and multiple random variables); (2) structural component reliability analysis (exact solutions, FORM, SORM); (3) structural system reliability analysis (series systems, parallel systems, general systems); (4) simulation methods (Monte Carlo simulation, variance reduction techniques); and probabilistic codified design (inverse reliability problem, probabilistic design, reliability-based design). Specific applications to earthquake engineering and wind engineering will also be discussed.

[Student Organizations](#)

[Student Energy \(ATTACHED\)](#)

The mission of Student Energy is to help “build the next generation of energy leaders who will accelerate the world’s transition to a sustainable energy future.” If you are interested in the organization’s vision, watch their [hype video here](#).

Student Energy will send out a regular email newsletter, host discussions every other week with knowledgeable and interesting speakers (from both within and outside of UC Davis), and plan social events to build community. Ultimately, however, the activities and priorities of Student Energy will be shaped by the members that choose to join and bring their passion and expertise with them. There are many possible projects that we can pursue, and we are actively looking for good ideas. If you are interested in learning more, please fill out the [google form](#) to be added to the Student Energy email list. If you are interested in applying to join the executive team, the last question on the form is for you. Please feel free to reach out to us directly as well.

For more information, contact ucdavis@studentenergy.org. Additionally, you can contact Anish Kumar Sinha at aksin@ucdavis.edu or Jake Highleyman at jbhighleyman@ucdavis.edu.

[The Chicano and Latino Engineers & Scientists Society \(CALESS\) \(ATTACHED\)](#)

CALESS would like to invite everyone to the following opportunities!

CALESS Info Session: Tuesday October 1st, 2019: 6-7pm in Kemper 1127

1st General Meeting: Tuesday, October 8th, 2019: 6:10pm – 7:30pm in Kemper 1127

All majors and races are invited!

[Equity in Science, Technology, Engineering, Math, and Entrepreneurship \(ESTEME\) \(ATTACHED\)](#)

[ESTEME](#) would like to invite you to our first general body meeting of the 2019-20 academic year! As an organization dedicated to improving diversity, equity, and inclusion in STEM and entrepreneurship fields, we are very excited to collaborate with graduate students across the university to develop leaders, cultivate critical conversations, and engage with our local communities.

[Global Education for All Fellow](#)

UC Davis Global Affairs is seeking graduate and professional students to be Global Education for All Fellows! As a fellow, you will be a member of a student committee advising the campus wide steering committee for [Global Education for All](#). This initiative aims to provide important intercultural preparation and global education to all UC Davis students through a variety of different experiences, including internships, research opportunities with virtual international collaboration,

and service learning. Benefits of being a fellow include working on special projects in student teams, receiving professional development support to help you make the most of this experience, and opportunities to network with leaders across campus. Students meet once a month, with the option to join meetings virtually.

The deadline to apply is October 14. If interested, or for more information, please contact Janice Tse, intercultural programs coordinator in Global Affairs, at (jwtse@ucdavis.edu).

[Empower Yolo \(Attached\)](#)

Empower Yolo's Fall Peer Counselor Training Program will finally be starting this Fall! This is for anyone interested in volunteering and supporting survivors of sexual assault and intimate partner violence.

Applications are due October 10th.

The training Program will begin October 15th.

[UC Davis Math Circle \(Attached\)](#)

Math Circle invites you to share your passion for mathematics with young curious minds!

Math Circle focuses on mathematics outreach to students in grades 3-12. Every Saturday, students from the local area meet in the Mathematical Sciences Building for fun activities including competition training, expository lessons, and fun games. As we meet and interact with the students on a weekly basis, volunteers have an excellent opportunity to practice and polish their teaching and organizational skills. This experience is particularly helpful for those going into teaching careers as we have regular lesson planning meetings.

[GradPathways Institute for Professional Development](#)

["Mentee Me": The Role of the Mentee in Mentorship](#)

Thursday, October 10th | 11:00am-Noon

[Mentoring 101: Introduction to Mentoring](#)

Thursday, October 17th | 12:10pm-1:30pm

[Mentoring 101: Selection and Alignment](#)

Thursday, October 24th | 12:10pm-1:30pm

[Mentoring 101: Cultivation and Closure](#)

Thursday, October 31st | 12:10pm-1:30pm

[Mentoring 101: Experienced Mentor Panel](#)

Thursday, November 7th | 12:10pm-1:30pm

Mentoring 101: Communicating Your Mentoring Philosophy

Thursday, November 14th | 12:10pm-1:30pm

Events

Policy & Popcorn (ATTACHED)

Policy fellowships provide scientists and engineers with invaluable, front-row access to policymakers and the legislative process—critical to bridging the gap between scientific research and informed policy. This panel discussion will explore the unique opportunities that different policy fellowships provide, what to keep in mind during the application process, and how the fellowship experience can help shape scientific career paths. Panelists will share specific insights pertaining to the [American Association for the Advancement of Science Policy Fellowship Program](#), the [Presidential Management Fellowship Program](#), and the [California Council on Science & Technology Fellowship Program](#)