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**To:** [coe-cee-ug-students Sympa List](#)  
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## Civil Engineering Undergraduate Announcements - March 12, 2020

Here are a few last announcements before the end of the quarter. Good luck on finals and I hope everyone has a safe and healthy spring break.

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### Aggies Helping Aggies

Aggies Helping Aggies is the official UC Davis Student Foundation and philanthropy organization. They are dedicated to supporting a culture of philanthropy by raising awareness for philanthropic resources on campus, and their mission is to promote awareness and resources for philanthropy on campus, with an emphasis on the importance of giving and the impact it has on the community. For example, they collaborate with Aggie Compass to steward SERA (Student Emergency Relief Aid) and distribute emergency funds to students in need.

They are currently accepting applications for their Development Committee and Marketing & Stewardship Committee. Development handles event planning, fundraising, and outreach such as our efforts with the Senior Class Challenge. Marketing and Stewardship oversees social media, content creation, donor relations, and other external efforts.

For more information, please see our website:

<https://giving.ucdavis.edu/ways-to-give/student-foundation>

And apply if you are interested!

<https://forms.gle/wF7c7vxdc9AMPL8N7>

In addition, for the Class of 2020 Senior Class Challenge, Aggies Helping Aggies is partnering with the UC Davis Library to create a new group study room! While a gift of any size will help fund the new space, students who give \$20.20 will be featured in a photo collage of donors that will hang permanently in the new room. Consider looking into the challenge or applying to be a trustee if you are interested in spearheading similar philanthropic efforts!

<https://crowdfund.ucdavis.edu/project/18982>

### MIDASoft Inc. Academic Program

They recently launched our 2020 Finite Element Challenge, which is open to engineering students of all levels in the bridge, building, mechanical, and geotechnical fields. You can see the details of the challenge below in the link.

<https://www.midasoft.com/academic-challenge>

### New Courses

#### ABT289A 002

D-Lab would like to invite graduate and upper division undergraduate students to apply for D-Lab Art + Engineering: Design, Build, Test (ABT289A 002)! This is a hands-on studio-style class focusing on problem farming design methodology as well as prototyping skills. Using a structured, mentored approach, student teams work as consultants for their clients to design, prototype, and test scalable solutions. Practical labs, case studies, and guest speakers will focus on user-centered and market-based design. For more information and a short application please visit <https://piet.ucdavis.edu/d-lab-spring-2020-art-engineering/>.

If you have any questions, please contact Abigail Edwards ([amedwards@ucdavis.edu](mailto:amedwards@ucdavis.edu)).

### First Year Seminar - Course Based Undergraduate Research Experiences

UC Davis is now offering [FYS-CUREs \(First-Year Seminar - Course-based Undergraduate Research Experiences\)](#) seminar for this

Spring 2020. This quarter we are offering a record 17 CURE courses that cover a variety of research topics and are great for any undergraduate interested in an introduction to the methods, equipment, and skills necessary for research. These course are meant to be an authentic introduction to faculty-mentored research specially designed for early career undergraduates. First year (freshman and transfer students) have priority enrollment through the end of Pass 2, after which all undergraduates are encouraged to enroll.

Dr. Karen McDonald & Matt McNulty from Chemical Engineering are offering a course called "From Farmers to Astronauts: Engineering a Hand-Powered Centrifuge for Limited Resource Environments" which would be a great opportunity for first-year/transfer students to get a hands-on experiential learning in engineering and design.

You can find more information about this and other CURE courses by visiting <https://fys.ucdavis.edu/schedule> and toggling on the blue "CURE" button at the top right of the schedule. Detailed information about the course expectations, units, time commitment, and grading schema are provided so that your students can make informed decisions about what FYS or FYS-CURE course is right for them.

### Scholarship Opportunity: DBIA's Western Pacific Region

DBIA's Western Pacific Region has released the annual scholarship application. Again this year there will be **twelve \$4,000 scholarships awarded** in the region. Two UCD students have been awarded these scholarships in the past.

The scholarship announcement and application form can be found at the following link: [Scholarship Webpage](#). We would like to get the word out to interested students. Please freely distribute them to civil engineering students with an interest in design and construction.

**The applications must be submitted by April 3, 2020.**

### Volunteers Needed: 31st Annual Undergraduate Research, Scholarship & Creative Activities Conference

Are you looking for a fun and exciting opportunity to connect with fellow students? Do you have a desire to learn more about what fellow students are researching? Come and volunteer to be a part of the [31<sup>st</sup> Undergraduate Research, Scholarship & Creative Activities Conference!](#)

We need volunteers for Friday, April 24<sup>th</sup> (2:00 PM –7:00 PM) and Saturday, April 25<sup>th</sup> (12:00 PM-4:00pm). I would like to hear from potential volunteers by Friday, April 17<sup>th</sup> so that I have time to assign roles. Preferably volunteers should be available for at least a two-hour block to assist on either day. However, if you are only available for an hour or have any time restraints, please let me know when completing the [form](#).

**No previous experience is required.** This is a great chance to expose yourself to the research being conducted on campus and demonstrate valuable professional skills in the meantime. Also, it's a fun event with snacks provided! We hope you can join us at the 31<sup>st</sup> Undergraduate Research, Scholarship & Creative Activities Conference!!

**If you are interested in volunteering, please fill out this**

**survey:** [https://docs.google.com/forms/d/e/1FAIpQLScI9\\_cw2qXoltKYj6zypBSa8HEyXbEtUIO92xI5NdwYDVTCCw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScI9_cw2qXoltKYj6zypBSa8HEyXbEtUIO92xI5NdwYDVTCCw/viewform?usp=sf_link)

If you have any questions or concerns regarding volunteering, please email: [sklitt@ucdavis.edu](mailto:sklitt@ucdavis.edu) or [mpazyuk@ucdavis.edu](mailto:mpazyuk@ucdavis.edu). Thank you for your time and consideration!

### Job/Research Opportunities

#### PG&E

PG&E in San Ramon is looking to hire entry level Civil Engineers.

Below is the link to the job posting:

[https://careers.pge.com/job/San-Ramon-Design-Engineer-%28ESC%29%2C-Civil-San-Ramon-CA-94583/632303900/?locale=en\\_US](https://careers.pge.com/job/San-Ramon-Design-Engineer-%28ESC%29%2C-Civil-San-Ramon-CA-94583/632303900/?locale=en_US)

In addition to applying to the link above, interested candidates should also send their resume directly to Leticia Duenas at [Leticia.Duenas@pge.com](mailto:Leticia.Duenas@pge.com).

### National Center for Sustainable Transportation (NCST) Summer Research Fellowship

The National Center for Sustainable Transportation, led by the Institute of Transportation Studies at UC Davis, is offering summer

research fellowships for undergraduate students who are interested in working with faculty and graduate students on research projects related to sustainable transportation.

Fellows will receive \$13.50 per hour for eight weeks over the summer (20 hours per week while school is in session and up to 40 hours per week when school is not in session).

Previous NCST fellowship recipients can be viewed at: <https://ncst.ucdavis.edu/undergraduate-research-fellowship-program>

See the attached flyer for more information. Applications are due by 5pm **on Friday, April 10<sup>th</sup>**.