

**From:** [Macey Miyahara](#)  
**To:** [coe-cee-ug-students Sympa List](#)  
**Subject:** Civil Engineering Undergraduate Announcements - March 2, 2020  
**Date:** Monday, March 2, 2020 10:13:51 AM  
**Attachments:** [Bayer Crop Science Info Booth Flier \(1\).pdf](#)  
[2020 TLG Internship Poster 11x17.pdf](#)  
[Future of Work March 5 Flyer.pdf](#)  
[Dialogue Seminar Program Spring2020 flier.pdf](#)  
[Jamal Lewis 4.pdf](#)  
[National Renewable Energy Lab Research Opportunities.pdf](#)

---

## Civil Engineering Undergraduate Announcements – March 2, 2020

Happy Week 9!

1. [Small Particles to Treat Big Diseases with Professor Jamal Lewis](#)
2. [Future of Work Series: Mass Media & Digital Transformation](#)
3. [Information on Coronavirus](#)
4. [ENG 8 – Intro to Entrepreneurship](#)
5. [EDU 098 – Dialogue: Building, Understanding, Relationships, Action, and Community](#)
6. [44<sup>th</sup> Annual Field Day at UC Davis](#)
7. [Study Abroad Opportunities](#)
  - a. [MEDLIFE Development Corps in Peru](#)
  - b. [Summer Opportunities in China](#)
8. [Job/Internship Opportunities](#)
  - a. [The Land Group](#)
  - b. [Caltrans – Bridge Design Division](#)
  - c. [Center for Water-Energy Efficiency](#)
  - d. [National Renewable Energy Lab Research Opportunities](#)
  - e. [Public Works Department – Engineering Intern](#)

### Small Particles to Treat Big Diseases with Professor Jamal Lewis

Join the [Undergraduate Research Center](#) on Wednesday, March 4th to hear Professor Jamal Lewis discuss how small particles are used to treat big diseases.

#### **Small Particles to Treat Big Diseases with Professor Jamal Lewis**

**Day:** Wednesday, March 4, 2020

**Time:** 5:10-6:30 p.m.

**Location:** Meeting Room D, Student Community Center

Please see the attached flyer for more details!

### Future of Work Series: Mass Media & Digital Transformation

On March 5th, the [Future of Work Series](#) at UC Davis will be hosting its next event, **Mass Media & Digital Transformation: How Media Will Change Everything About The Way You Work and Live**. The talk will feature **Professor Jeanette Ruiz** (Communications Department) and UCD alumnus **David Grant** (founder/former President of Fox Television Studios, current President of PopSugar Studios).

The series, which is co-sponsored by the Office of the Provost, STEM Strategies and UC Davis Library, is geared towards all majors and academic disciplines on campus. Although the

series was created and is directed by undergraduates, they welcome undergraduate students, graduate students, faculty, staff, and community members alike. The talk will be held from 5-7pm at Shields Library Room 167 (main floor), and will end with Q&A session powered by anonymous digital polling. The event begins with a networking reception with light refreshments provided (from 5-5:30). Although an [Eventbrite](#) ticket isn't required, all students who register will be entered into a raffle.

## Information on Coronavirus

You all may have this info, but we wanted to share information about two web sites, that contain information and updates on the coronavirus situation.

Vet Med:

<https://www.vetmed.ucdavis.edu/coronavirus-resources>,

Campus Site:

<https://www.ucdavis.edu/health/pandemics/coronavirus/news/coronavirus-travel-warning-other-cautions>

## ENG 8 – Intro to Entrepreneurship

The College of Engineering is encouraging students to sign up for ENG 8; Intro to Entrepreneurship! Students from all majors will learn the processes involved in modern entrepreneurship and identify an opportunity for innovation. The 3 C's of the entrepreneurial mindset (developed by KEEN) will be covered: Curiosity, Connections, and Creating Values.

## EDU 098 – Dialogue: Building, Understanding, Relationships, Action and Community

The Dialogue Seminar Program is pleased to announce three undergraduate seminars for Spring quarter 2020, '*Dialogue: Building Understanding, Relationships, Action and Community.*' Directed by Carolyn Penny, the Dialogue Seminar Program offers academic credit dialogue seminars, mentors peer teaching, and supports the use of dialogue in the classroom.

Tuesdays, 11:00 am – 12:50 pm – EDU 098-008, CRN 62799

Tuesdays, 3:10 – 5:00 pm – EDU -098-011, CRN 85022

Wednesdays, 1:10 – 3:00 pm – EDU 098-012, CRN 85023

In these classes, students will engage in dialogue with each other. They will also read, watch, and listen to course material between sessions on topics that help explain the reasons for dialogue, the benefits of dialogue, and the human behavior insights that relate to dialogue, such as the reasons people tend to ignore information that disagrees with their point of view and the differences between inclusion and belonging.

Please note that in Schedule Builder, the course is titled 'Directed Group Study.' Enrollment is open to all students, however attendance at the first class session is mandatory.

## 44<sup>th</sup> Annual Field Day at UC Davis

Field Day is facilitated by UC Davis Undergraduate students and nearly 4,000 high school students come to campus to compete in agriculturally related career development events. This year, they will have an exciting new partnership with Bayer Crop Sciences, which is located in West Sacramento. Bayer will be hosting a Career and Information Booth from 10:30 - 3:30 at the Silo under the Food Truck Patio Awning. Topics at the booth will include:

- Career and internship opportunities
- Career and education advice from diverse backgrounds
- Bayer grants to FFA, 4-H, science and technology programs
- Scholarships for future agriculture students

They would like to advertise the opportunity to all UC Davis Students to learn about career opportunities with their company. Attached is the flyer they provided.

## Study Abroad Opportunities

### MEDLIFE Development Corps in Peru

MEDLIFE is running a week-long service learning trip called Development Corps this May, wherein global university students will travel to our headquarters in Lima, Peru and work with their architect and community leaders to plan and implement an urban development project. This year's project will be building a public green space in the urban settlements outside of Lima. MEDLIFE has built public spaces within various partner communities and has seen many impacts, from increased security, land value, community cohesion to improved social development for children.

During the week, students will learn about the urban planning practices in Lima, as well as the lack of infrastructure in underserved communities, and the social and environmental challenges that this presents. They'll attend a community meeting to learn about the local planning and community advocacy that MEDLIFE supports. They'll also learn how architecture, engineering, and urban planning principles apply throughout the project. Please see this link for more details on this opportunity:

<https://www.medlifemovement.org/projects/development-corps.html>

### Summer Opportunities in China

IGotoco ([www.go-to.co](http://www.go-to.co)), set up by Oxford University students, provides English-speaking students with funded opportunities to participate in summer camps in China, where they can work towards a TEFL certificate, learn Mandarin, make new friends, explore the country, and have a unique summer experience.

In summer 2019, they helped 550 students visit China on funded trips and earn fully-funded TEFL certificates, and they would like to bring these great opportunities to more University of California, Davis students this summer.

While you may be concerned about the current Coronavirus outbreak, and they want to assure you that they take all students' safety and wellbeing extremely seriously. They currently expect the virus outbreak to be controlled within the next 1-2 months and for summer programs to go ahead as planned, especially as this kind of virus is usually much less prevalent in the summer months. If you are interested, you can check more detail on the Coronavirus on this link: <https://www.go-to.co/ufaqs/coronavirus-safety-and-summer-2020-plans/>

Gotoco is a certified social enterprise with a presence in the UK, China, USA and Hong Kong. They are rated highly by the 1000s of participants that have taken part in programs with us, and for our work we have been shortlisted for various awards. For our efforts in building a community of young China watchers and offering support to educational institutions across China they were finalists in the China Social Impact Award 2019, an award organized by the British Chamber of Commerce in China in partnership with the United Nations. For our TEFL and China education initiatives, we were bronze award winners for Best Educational Product with the British Youth Travel Awards. For their provision of summer internships in China to students from Oxford University we were granted Gold Star Host status, and we have been awarded as the most 'fun' Teach Abroad provider by Gooverseas.com.

Their programs are unique because they do not charge anyone to take part. Many programs similar to us impose significant fees on students—they do not do this to ensure as many people as possible can go and explore this fascinating country. Participants only need to pay for their flights and visas, then accommodation and meals are provided free of charge at their schools in China. Through their programs, students can spend a month or two teaching in picturesque and exciting parts of China, such as Beijing, Shanghai and Yangshuo. While inspiring the next generation of Chinese children to learn English, the students would also take part in Mandarin lessons, cultural trips and traveling.

They also guarantee every participant a week's accommodation in Yangshuo, Guangxi—one of the most beautiful parts of the country—at the end of their summer camp.

## Job/Internship Opportunities

### The Land Group

The Land Group summer internship application will be closing March 4 at 11:59 PM. For more information on this great opportunity, please see the attached poster or see the link to their website: <https://www.thelandgroupinc.com/internship>.

### Caltrans – Bridge Design Division

The Caltrans bridge design division wanted to get the word out to graduating students that they have 16 positions becoming available. They want applications submitted in **March and will be interviewing in April.**

For more information please see: [jobs.ca.gov](https://jobs.ca.gov) under “Transportation Engineer (Civil)”

### Center for Water-Energy Efficiency

#### Overview of Project

The Center for Water-Energy Efficiency is seeking an undergraduate research intern to assist with gathering and summarizing existing literature related to the impacts of water efficiency on wastewater streams. The research intern will be supervised by Professor Frank Loge in partnership with a graduate student researcher, and will complete their research activities at West Village. The intern will earn academic credit for the spring quarter as part of ECI 199, and will be expected to take a minimum of 3 credits (9 hours/week) and a maximum of 5 credits (15 hours/week).

#### Research outcomes and Learning Opportunities

The primary research tasks may involve searching academic journal databases for relevant literature, discussing findings, and writing up a synthesis of the research. The outcomes of this work will result in a written literature review that will be submitted to the CA Department of

Water Resources and potentially be used in a future publication. The research intern will meet weekly with a graduate student researcher to discuss their work and plan their research activities. In the process of gathering this data the student will learn about all components of wastewater systems including collection and treatment, current issues facing this sector, and methods taken to address these challenges.

If there is interest, this work may be extended into the fall and include research developing wastewater treatment models to assess the impact of water efficiency on wastewater treatment. The results of this research will be written up and published in an academic peer-reviewed journal.

### **Prerequisites**

We are seeking an intern with strong comprehension and writing skills that is motivated to produce quality results. As part of this position, interns will learn about academic data sources and interpreting journal articles. Knowledge of and experience with the following is desired but not required:

- Web of Science
- Citation Software (i.e. Zotero or Mendeley)
- Academic Writing
- Wastewater collection systems
- Wastewater treatment trains.

### **How to apply**

If interested, please contact Amanda Rupiper [arupiper@ucdavis.edu](mailto:arupiper@ucdavis.edu) by March 9th, 2020. In your email, please describe 1) your motivation for applying, 2) your qualifications and prior experiences related to the project tasks, 3) what you hope to practice/learn from this experience, 4) your major and expected quarter of graduation, and 5) how many credits/hours per week you are available to work on this during the winter quarter. You may attach a resume to your email if it is helpful in addressing any of the above points.

### **National Renewable Energy Lab Research Opportunities**

NREL has over 20 internship positions available, many of which opened up in the last few days. These serve as a fantastic way for students to really apply the knowledge they have gained from your programs as well as see how a Department of Energy research lab operates. In addition to their internships they have a few Postdoctoral Researcher roles available (more will be opening in the coming months) as well as several full time researcher opportunities.

Individuals can browse our full list of opportunities by visiting [www.nrel.gov/careers](http://www.nrel.gov/careers). With how much expansion is happening across the lab, they currently have over 200 roles open and accepting applicants of all specialties and levels. Please see the attached flyer for a list of lab opportunities.

### **Public Works Department – Engineering Intern**

**Engineering Intern  
Temporary Part Time  
Public Works Department – E&T**

**Hourly Salary:  
\$14.9864  
Open Until 03/10/2020**

**Only on-line applications will be considered**

To apply or for more information, please visit: [Engineering Intern](#)

**Macey Miyahara**

Civil Engineering Undergraduate Peer Advisor

[civiladvising@ucdavis.edu](mailto:civiladvising@ucdavis.edu)