



**UCDAVIS**

**Center for Educational Effectiveness**

Office of Undergraduate Education

**Welcome!**

New Faculty Workshop September 19, 2023

Michael Bradford, MFA

Vice Provost and Dean of Undergraduate Education

Professor of Dramatic Arts

Office of Undergraduate Education

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





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# **Teaching the UC Davis Student: Knowing Our Students to Support Their Success**

New Faculty Workshop September 19, 2023

Kem Saichaie, PhD (he/him)

Director of Learning, Teaching, and Assessment & Interim Lead for Educational Analytics

Center for Educational Effectiveness (CEE)

Office of Undergraduate Education

kemsaichaie@ucdavis.edu | @kem\_saichaie



# Session Objectives

- Reflect on our learning experiences.
- Introduce the UC Davis Student Population.
- Introduce the Center for Educational Effectiveness.
- Preview resources to support your teaching.
- Introduce the SparkSessions.

# Reflect



**Who was an influential educator in your life?**

How did she/he/they make a difference in your learning experience?



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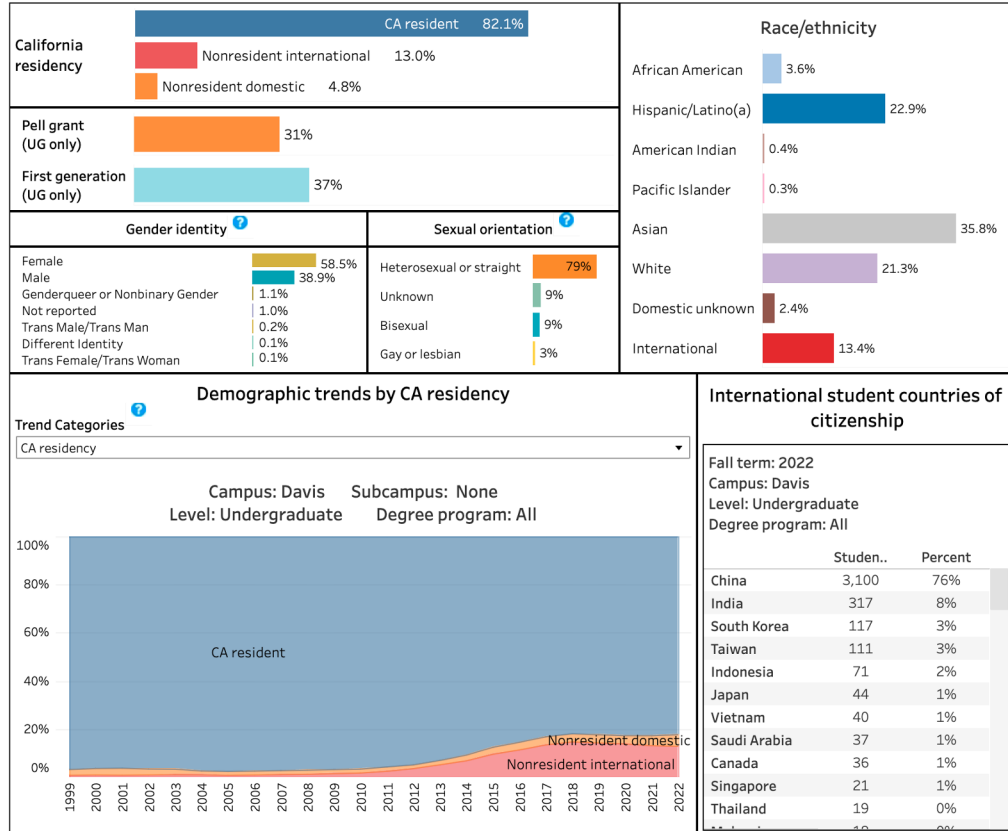
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# Introduction: The UC Davis Student Population

Year: 2022 Campus: Davis Subcampus: None Level: Undergraduate Program: All

Enrollments: 31,532



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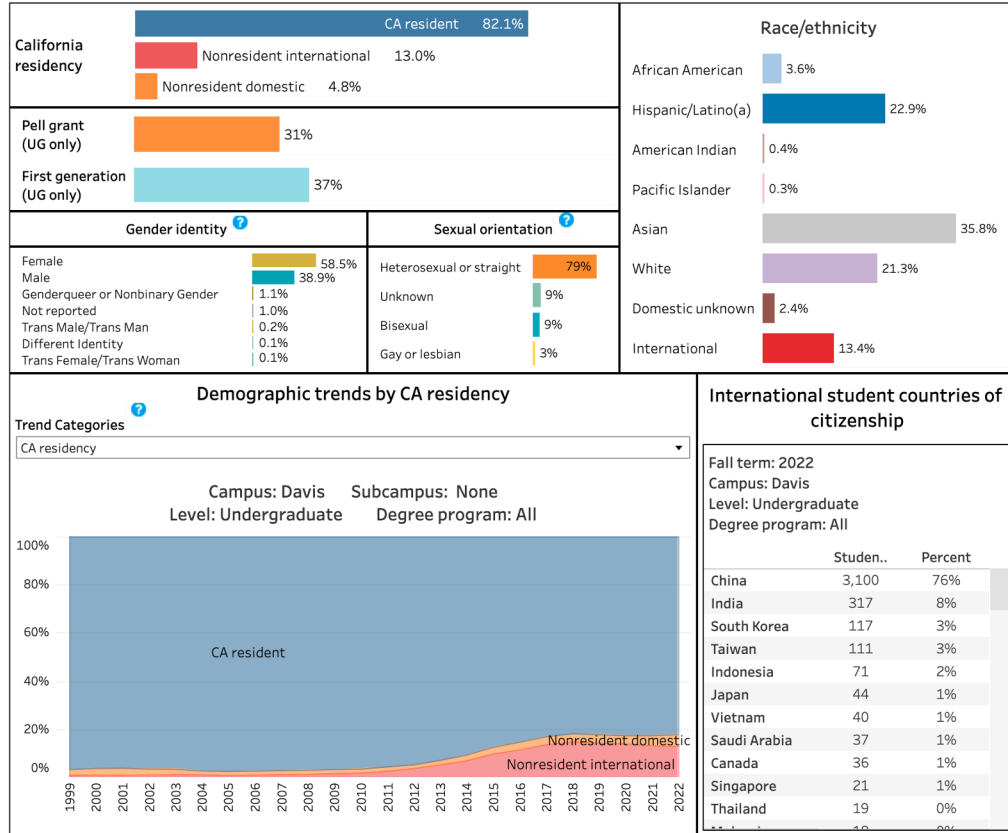
<https://www.universityofcalifornia.edu/about-us/information-center/fall-enrollment-glance>



# Introduction: The UC Davis Student Population (select data)

Year: 2022 Campus: Davis Subcampus: None Level: Undergraduate Program: All

Enrollments: 31,532



## Residency

CA: 25,898

Non-CA: 1,529

Int'l: 4,105

## Race/ethnicity

African-American: 1,120

Hispanic/Latino/a/x: 7,223

Asian: 11,287

White: 6,708

## Gender

Female: 18,458

Male: 12,278

Genderqueer or

Nonbinary: 349

## Generation

First Gen: 11547

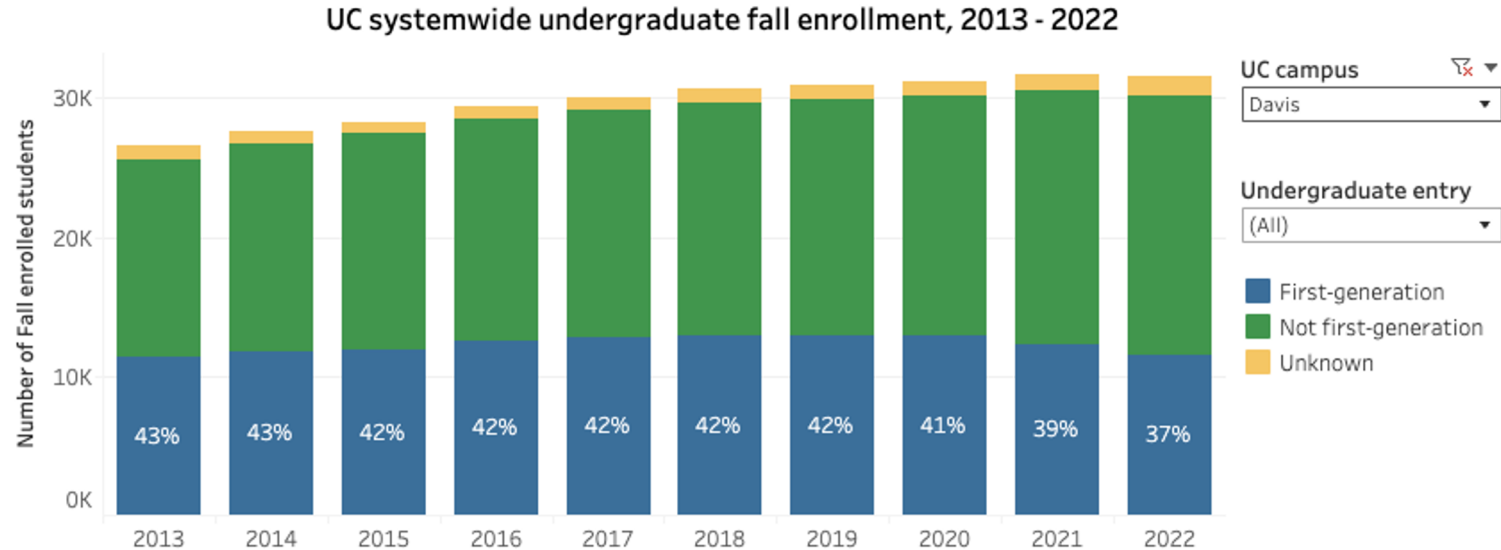
Source:

<https://www.universityofcalifornia.edu/about-us/information-center/fall-enrollment-glance>

# Introduction: The UC Davis Student Population

## (Percentage of First Gen Students)

### UC first-generation undergraduate fall enrollment



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# Introduction: The UC Davis Student Population

## (First Gen Success Story)



**Paula Soto**

Psychology and Chicanx Studies

I am the oldest and the **first to attend college** in hopes of **being a role model** for my younger siblings. I was **encouraged to go to college by my middle school teachers and my dad**, who told me to aim higher and never give up. Because of them, college was something I knew I wanted, and I got it. And **I never gave up on school**, even in those moments when it got tough and I was worried about failing.



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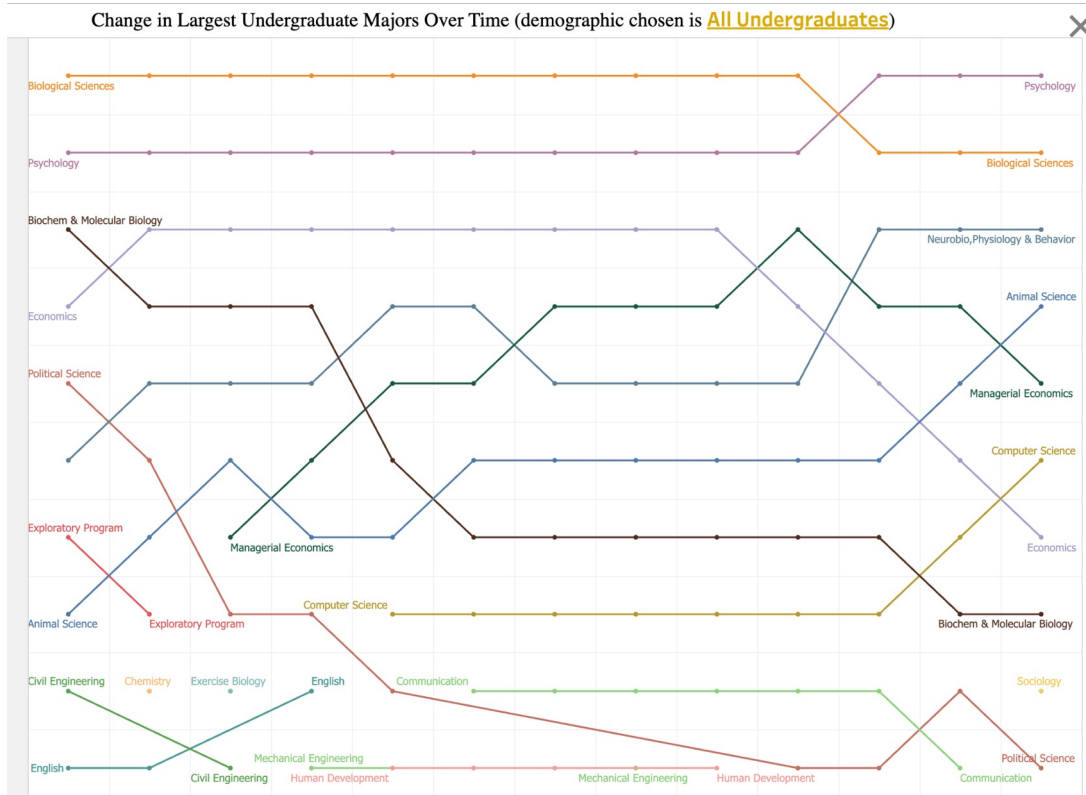
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# Introduction: The UC Davis Student Population

## (Top 10 Majors as of 2022-2023)



Source: [https://aggiedata.ucdavis.edu/#stu\\_enroll](https://aggiedata.ucdavis.edu/#stu_enroll)

1. Psychology
2. Biological Sciences
3. Neurology, Physiology, & Behavior
4. Animal Sciences
5. Managerial Economics
6. Computer Sciences
7. Economics
8. Biochemistry & Molecular Biology
9. Sociology
10. Political Science

# Introduction: Center for Educational Effectiveness (CEE)

We promote and support  
effective learning  
for all students at UC Davis.

[cee.ucdavis.edu](http://cee.ucdavis.edu)



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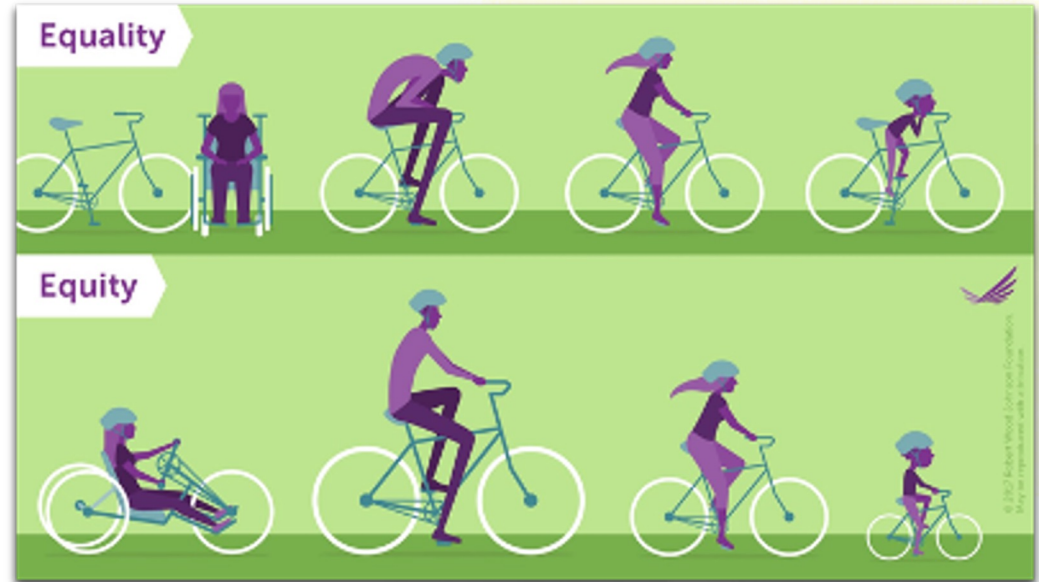
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# What type of teaching supports effective learning ?

- Research-based
- Equity-focused
- Asset-oriented
- Learner-centered



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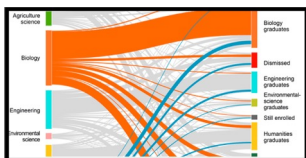
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# Engagement opportunities offered by CEE



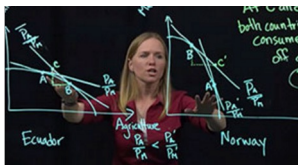
## Learning + Teaching

Learner-centered, research-based, equity-focused instructional support for the UC Davis teaching community. Consultations on a range of teaching topics.



## Educational Analytics

Data analysis and visualization to support educational effectiveness and development. Consultations on a range of learning analytics topics and tools.



## Student Learning Outcomes Assessment

The process of learning outcomes assessment invites inquiry about our goals for student learning, and whether they are measurable, aspirational, and also achievable. Consultations on a range of assessment topics.



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# Teaching Resources for TAs & Postdocs



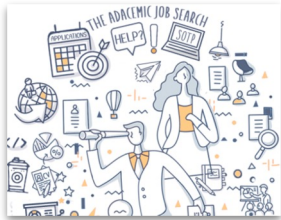
## Teaching Assistant Consultation Program

Facilitates professional development programming for graduate student instructors and postdoctoral scholars. TACs provide consultations and workshops all year.



## Graduate Teaching Community

The GTC is a collaborative, interdisciplinary group of graduate students and postdoctoral scholars who come together on a weekly basis to explore effective teaching practices. New topics are selected on a quarterly basis.



## Self-Paced Courses and Modules

Provide an overview of what a teaching statement and diversity statement entail, strategies that candidates can use to write compelling statements, and criteria that can be used to assess these documents.





# Faculty Learning Communities



**2023 First-Generation  
Faculty Learning Community**



**2023 PCI Diversity, Equity  
and Inclusion Learning  
Community**



**2022 Engaged  
Learning & Teaching  
Community**



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# The Teaching & Learning Complex

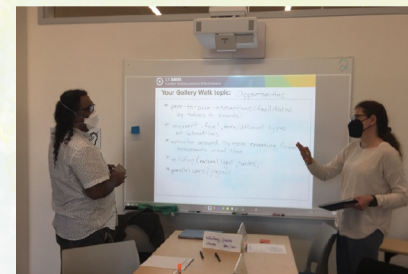
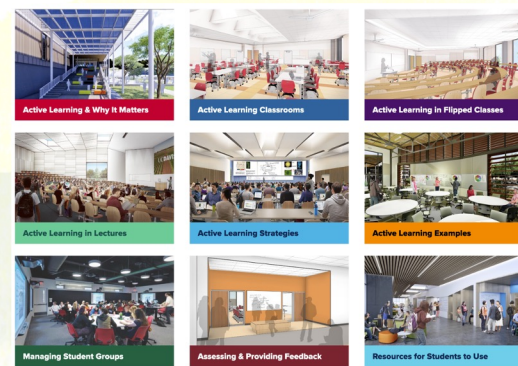


## Welcome to the Teaching and Learning Complex Workshop Series



Welcome to the TLC Workshop Series! We're very happy to come together with you to talk about teaching and learning in this new classroom space. The TLC Series is designed to support instructors who are or will be teaching in the newly-constructed Teaching and Learning Complex, which features flexible classrooms designed and equipped to enhance instructors' ability to facilitate active learning and maximize student engagement.

The five-workshop series discusses interactive teaching strategies, learning technologies, techniques for managing groups, and team-based and collaborative assessments. In addition, the Center for Educational Effectiveness (CEE), as well as Academic Technology Services (ATS) will share several evidence-based, equity-focused, and practical resources,



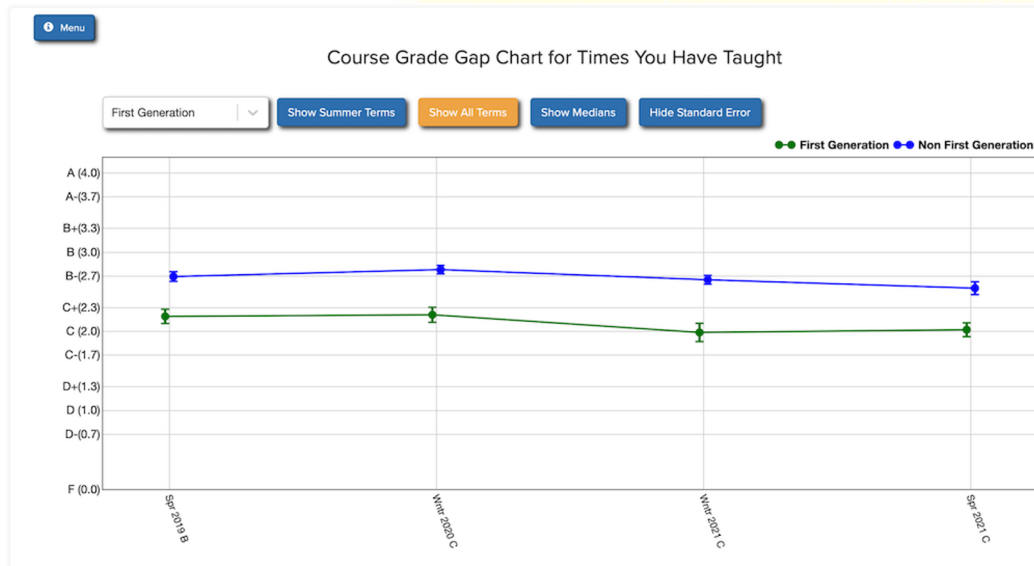
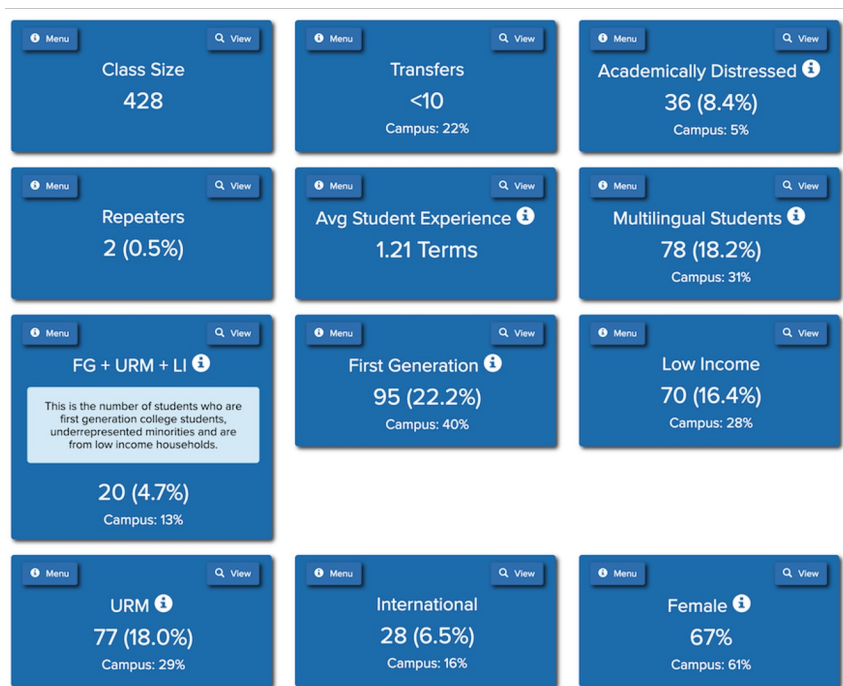
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# Know Your Students App



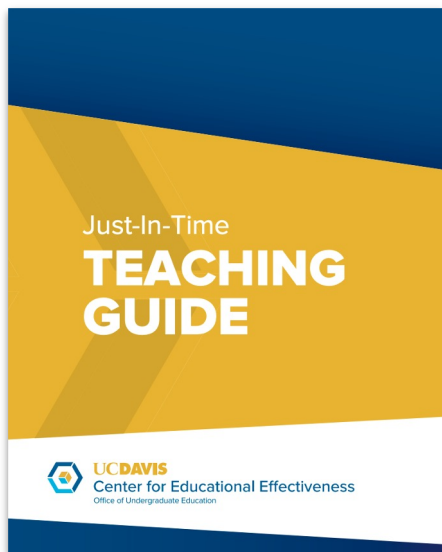
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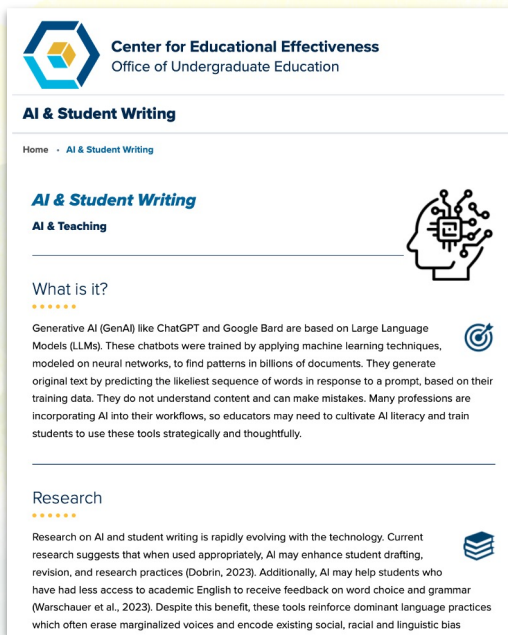
# Just-In-Time Teaching (JITT) Resources



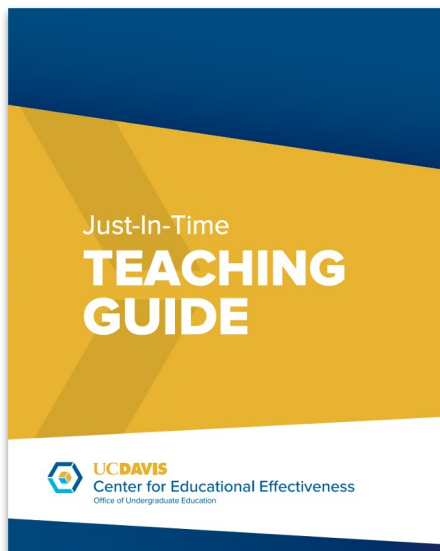
<https://cee.ucdavis.edu/JITT>

## Topics Include:

- AI & Writing
- Anti-Racist Teaching
- Active Learning
- First-Generation Students
- Implicit Bias
- Inclusive Practices
- Metacognition
- Motivation
- Writing Assignments



# Just-In-Time Teaching (JITT) Resources



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### AI & Student Writing

Home - AI & Student Writing

#### AI & Student Writing AI & Teaching



#### What is it?

★★★★★

Generative AI (GenAI) like ChatGPT and Google Bard are based on Large Language Models (LLMs). These chatbots were trained by applying machine learning techniques, modeled on neural networks, to find patterns in billions of documents. They generate



#### Teaching Strategies

- To mitigate plagiarism, set clear policies for AI use in your syllabi. Here are three samples from the University Writing Program. Provide students with resources on how to ethically cite AI (APA, MLA, Chicago).
- Identify the content, skills, and writing tasks your students struggle with. Consider whether AI would help student learning in these areas.
  - Brainstorming: AI can be especially useful before students start drafting. For example, AI can provide background information or generate a list of research questions.
  - Editing: AI can increase equity for students who have had less access to academic English. On the other hand, these same students may be accused of plagiarism more often (Warschauer et al., 2023). Example prompt: "Copy edit this text. Then, tell me what you changed and why."
  - Tutoring: Students can use AI to help learn new or difficult concepts and skills with prompts like "Act like a tutor...". AI can also generate examples to help students grasp new ideas or to provide instructors with examples for classroom use.
- Discuss the benefits and risks of AI in science communication. While AI can assist with the writing process in many ways, from improving organization to refining abstracts, it can also omit minority perspectives, replicate human bias, and impede the critical thinking necessary for creative science and the development of expertise.
- Text out your assignments on AI to determine their level of exposure and adjust accordingly. Critique AI drafts with students to identify lack of complexity or nuance.
- Provide students with clear criteria, assignment goals or rubrics so they can ask AI for targeted feedback (Mollick & Mollick, 2023). AI is not always correct remind students they should view feedback critically and ask them to explain feedback they used. Share Chatbot prompting resources and see Mollick & Mollick (2023) for detailed prompts.



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# Teaching Squared - A Reading Circle

## EXPLORING TOPICS IN ARTIFICIAL INTELLIGENCE

October 10 | 12:10 PM - 1:00 PM

October 24 | 12:10 PM - 1:00 PM

November 7 | 12:10 PM - 1:00 PM

In the Teaching and Learning Complex (TLC) 1213



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# Equity in Assessment

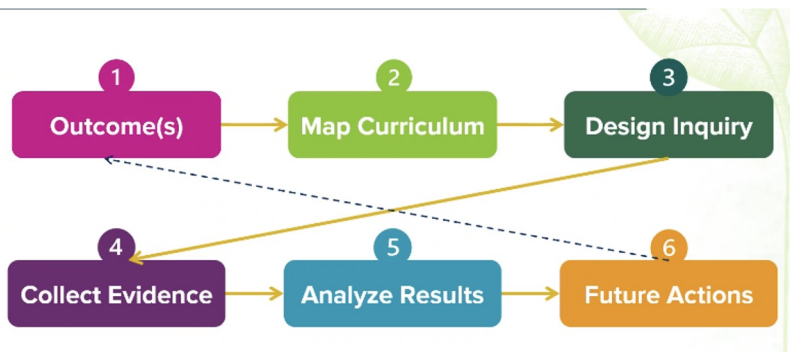
## Program-level Assessment Capacity Enrichment for Equity (PACE4E)

*Growing capacity for equity-centered program-level assessment of student learning outcomes*



# A.C.T.

Assessment  
Canvas Training



This Fall! A.C.T. is a fully-asynchronous and self-paced course, designed to teach participants how to define, design, and develop high-impact assessments for their undergraduate courses



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# CEE Program Participant Feedback

"I always appreciate the space that these workshops make for faculty to discuss teaching with one another. It is such a great way to connect folks from across disciplines and work together to enhance each other's teaching approaches and toolkits."

*-Faculty workshop attendee*

"I loved the organization of the workshop! It was the perfect balance of new information, examples, interactive brainstorming, and review/next-steps."

*-Graduate student workshop attendee*

"It was great to talk to other participants about their experiences, concerns, and challenges with active learning. Getting to reflect on these ideas and suggested readings or articles was really helpful, and hearing from experts on how to start these conversations was a major plus."

*-Teaching & Learning Complex Workshop series participant*

"Thank you so much for the program. It was truly career-altering. I hope my students will benefit from what I have learned, because I know I have."

*-ACCELERATE participant*



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# Impact: CEE Supports Your CAREER

## AWARD RECIPIENTS



- Brian Bailey
- Kyle Crabtree
- David Gold
- Marie Heffern
- Jonathan Herman
- Seung Sae Hong
- Fereydoun Hormozdiari
- Roopali Kukreja
- Ambarish Kulkarni
- Xinfan Lin
- Rebecca Lybrand
- Scott McCormack
- Tran Nguyen
- William Putnam
- Marina Radulaski
- Crystal Rogers
- Nitzan Shabek
- Zubair Shafiq
- Laura Starkston
- Aditya Thakur
- Jesus Velázquez
- Andrew Wetzel
- Da Yang
- Katerina Ziotopoulou

Since the 2020-2021 cycle,  
24 UCD Faculty received  
NSF CAREER Awards.



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# Impact: CEE Supports Your CAREER

## AWARD RECIPIENTS



- |                         |                     |                        |
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| • Brian Bailey          | • Ambarish Kulkarni | • Nitzan Shabek        |
| • Kyle Crabtree         | • Xinfan Lin        | • Zubair Shafiq        |
| • David Gold            | • Rebecca Lybrand   | • Laura Starkston      |
| • Marie Heffern         | • Scott McCormack   | • Aditya Thakur        |
| • Jonathan Herman       | • Tran Nguyen       | • Jesus Velázquez      |
| • Seung Sae Hong        | • William Putnam    | • Andrew Wetzel        |
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| • Roopali Kukreja       | • Crystal Rogers    | • Katerina Ziotopoulou |

Since the 2020-2021 cycle, 24 UCD Faculty received NSF CAREER Awards.

~42% (n = 10) engaged with CEE prior to receiving the award



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# Scholarship of Teaching & Learning Conference



## Scholarship of Teaching and Learning Conference



**SAVE THE DATE**

**Friday, December 1, 2023**  
**8:45 am - 4:15 pm**  
**ARC Ballroom**

**Submission  
Deadline:**  
**10/6**

Join us for **The 8th Annual UC Davis Scholarship of Teaching and Learning (SoTL) Conference**, hosted by the Center for Educational Effectiveness. This year's theme is: **Emerging Directions in the Scholarship of Teaching and Learning: Artificial Intelligence and Student Engagement**. This conference is dedicated to celebrating and sharing the work of UC Davis' growing community of scholarly educators. Together we will share research, ideas, practices and resources for evidence-supported teaching innovation at our university. We look forward to seeing you there!



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# Introduction: SparkSessions



<b><u>Topic</u></b> (4 x 15 mins)	<b><u>Experts</u></b> (will rotate)
<b>Active Learning</b>	<b>Patricia Turner, PhD</b> CEE Education Specialist
<b>Motivating Students</b>	<b>Kara Moloney, PhD</b> CEE Academic Assessment Lead
<b>Transparent Assignments</b>	<b>Erica Bender, PhD</b> CEE Assessment Specialist
<b>Working with International Students</b>	<b>Dawn Takaoglu, MA</b> Director of International & Academic English, Global Affairs



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# Session Feedback: We Value Your Input – Thank you!



<https://bit.ly/2023UCDNFO>



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# Engaging Undergraduate Students in Research and Discovery

MILMON F. HARRISON, PH.D.

MFHARRISON@UCDAVIS.EDU



# Who I Am

- ▶ Associate Vice Provost, Academic Programs, Office of Undergraduate Education
- ▶ 25-year Faculty Member, Department of African American Studies
  - ▶ Sociologist, Currently working on “Black Valley,” a book project about the history and erasure of the Black presence in the Central Valley of California
  - ▶ “Black Miners’ Bar” project in partnership with the California State Parks and Recreation Department and the Far Western Anthropological Research Group, Inc.
- ▶ Alumnus of UC Davis and former “happy client” of some of the Undergraduate Research Programs now part of my portfolio.



# UE Academic Program

(<https://ue.ucdavis.edu/unit-goals>)

- ▶ Center for Leadership Learning (CLL)
- ▶ First Year Seminars (FYS)
  - ▶ Categories: “Classic,” “CURE,” “Community Engaged Learning,” and “Global Learning”
- ▶ Quarter at Aggie Square (QAS)
- ▶ University Honors Program (UHP)
- ▶ Undergraduate Research Center (URC)
  - ▶ Inaugural Undergraduate Research Fair: October 12, 2023
  - ▶ 35<sup>th</sup> Annual Undergraduate Research, Scholarship, Creative Activities Conference: April 26-27, 2024\*\*
- ▶ Washington DC Program (UCDC)
- ▶ *Please note: there are a number of other Faculty Mentorship programs on campus including MURALS, LFA, Independent study, and more. URC an important resource.*

# Public Scholarship at UC Davis

- ▶ Vice Provost's Office of Public Scholarship and Engagement Faculty Programs:  
<https://publicengagement.ucdavis.edu/>
  - ▶ Community Engaged Learning Faculty Fellows (CELFF)
  - ▶ Public Scholarship Faculty Fellows (PSFF)
  - ▶ Funding opportunities
- ▶ Imagining America: Artists and Scholars in Public Life  
(<https://imaginingamerica.org/>)





Questions?

Thank you!