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Background: Know Your Students dashboard

FACULTY

AWARENESS

Survey results of your students

Course demographics in context

Prerequisite timing/outcomes

Campus experience

Majors/units

Prior/concurrent courses

TA information

Grade distribution

Equity gaps ______(FG/LI/URM/Gender/ML L/ Int'l/Transfer)



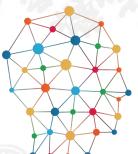




Student Voices



Just-in-Time Teaching
Information



ACTION & REFLECTION

Instructional Tools (Prototypes)

- Classroom inclusion survey
- Zoom Transcript analyzer
- Gradebook equity explorer





Transition to remote learning: survey concept

Equity concerns

- Access to technology and space
- Time zones & firewalls
- Familiarity with online learning tools

Release results to individual instructors through Know Your Students

Initial survey drafted, tested, and implemented within a week

Space for open comments about the transition

Transition to remote learning: Opening Access to Know Your Students

- Core project leadership team concerns with campus-wide surveys
 - Too broad a data set, how can it be useful?
 - Technical challenges/worries of buggy release
 - Tool seen by "non-choir" members, maybe even non-faculty
 - DEI data sensitive requiring training
 - Challenging to get the word out
- Technical challenge: developing tiered access in 1 week



Making Student Data Accessible to Faculty at Scale

Campus-wide to Classroom-Specific Information Via Know Your Students

Fall 2020 Student Survey: Campus-wide Results ShowLess



13606 undergraduate students have responded. That is 43.9% of undergraduate students enrolled in Fall 2020.

5701 respondents will be new to UC Davis in the fall. That is 53.3% of newly admitted undergraduate students.

Main Takeaways

Show Detailed Responses

Access to Technology

Of all surveyed students:

7.2% reside in a different time zone. Asynchronous class recordings may be easier for this group.

5.1% currently reside in China and may need the library VPN to access course materials. Additional info here.

5% have no way to participate in online meetings with audio or video. Here are some ways to connect with your students online. Resources for students.

17.9% have no way to print materials for class. Of those 32.1% expect to have to print materials for class. This resource includes general advice for students on how to learn remotely.

6.2% may not have reliable access to the equipment needed for proctored exams. Alternative exam strategies.

Familiarity With Remote Instruction

Of all surveyed students:

Lectures videos and discussions

3.2% of students (4.3% of new students) have never participated in a video conference or discussion.

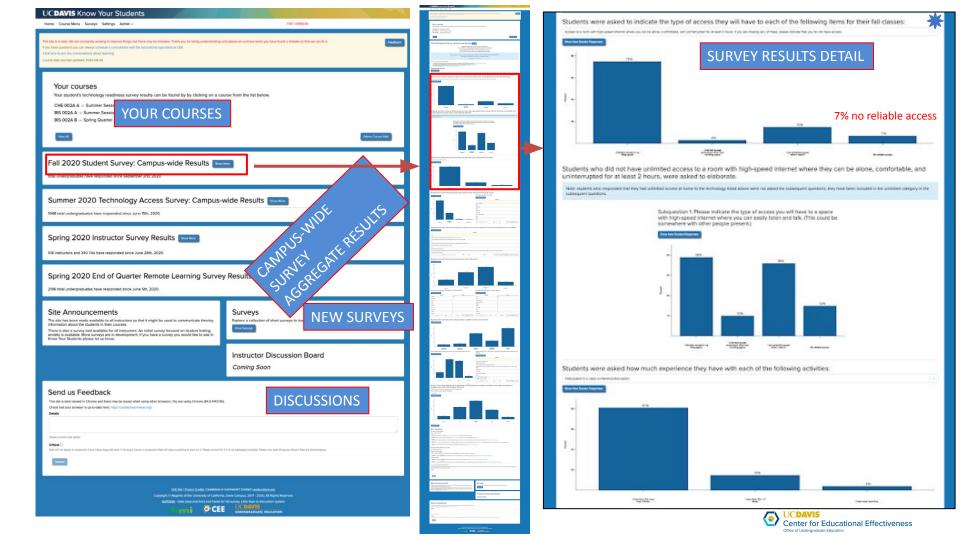
11% of students (18.1% of new students) have never participated in an online discussion forum for class. Here are discussion strategies.

Homework and exams

27.1% of students (33.4% of new students) have never taken a proctored exam online. Here are some alternative exam options.



36.6% of students (44.6% of new students) have never worked with a group to complete a project without meeting in person. Here are collaboration strategies.



Transition to remote learning: Handling open comments

Display issues

- · Reportable events or emergencies
- Abusive/inappropriate comments

Solution: comment approval process

A representative selection of comments from students

Response

My WiFi can be spotty but I have nowhere else to go. I hope there will be accommodations for those who are trying with this awful situation.

What should we do, if the internet shut down while taking an exam?

Very slow and unreliable internet at home but parents will not let me live in Davis. Very stressed about ability to access webinars or lecture video. I have internet, but not 100% reliable. Sometimes it cuts out for a few minutes which worries me when Im taking a test.

I hope the labs and anything in person will be online because I am living back at home and its difficult to go back to Davis without thinking about Thank you for all the help you are offering.

Is an iPad an appropriate computer source

I am able to have a decent computer with a wide screen with all the camera, microphone and other gadgets because I was able to borrow a continuous flows to do an online conference.

Transition to remote learning: Tech access survey results & uses

Growth in users



- Laptop loan program origination and growth via referrals (from survey)
- Keep Teaching and CEE links for survey results suggested actions
- Further outreach & dissemination (SA, Chancellor, Provost, large course instructors, student messages, lead administrators)

How about you?

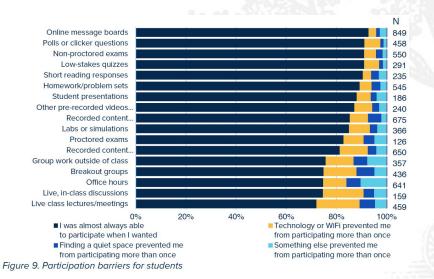
How did your campus track students' needs & equity problems in the transition to remote learning? Did institutional researchers play a role?

Discuss with your neighbors for 5 minutes and we will then share as a group

Pandemic extensions: Remote Learning Surveys

[Things that worked well included] short, live lectures that were recorded and made available to all students; using breakout rooms to do think/pair/share activities during lecture; staying late after the short lectures to keep talking and answering questions for students (in addition to regular office hours); strongly encouraging students to come to office hours *and sending reminders right before office hours started*; speaking openly and honestly to students about the difficult situation we were in.

- Instructor Survey Response



What Worked "Really Well" for Instructors? Instructors and TAs, meanwhile, were asked to reflect on what worked "really well" in their classes during the spring quarter. The activities and class characteristics they mentioned most frequently are shown in Figure 15.

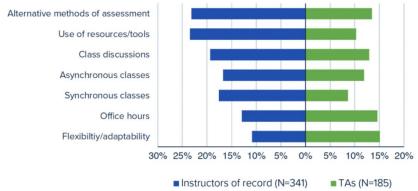


Figure 15. Themes from instructor and TA comments on what worked "really well"

Instructors and TAs, like students, found that alternative methods of assessment worked better

https://cee.ucdavis.edu/news/insights-spring-2020-remote-instruction-results-surveys-remote-learning-and-teaching

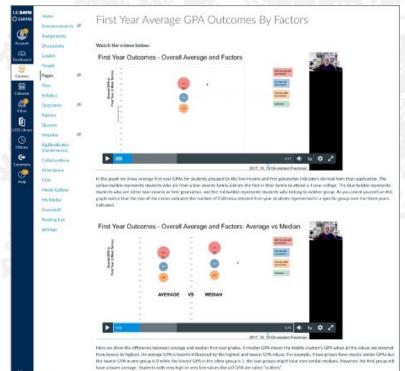
Pandemic extensions: Tech access surveys & collaborations

- Adjustments: less basic tools, more work & family responsibilities, other timely concerns.
- Collaborations
 - Associate Deans for undergraduate education
 - Mental health and counseling
 - Student disability center
 - Advising
 - •



Looking Forward: Deepening Access to Know Your Students - DEI







Looking forward

- Know Your Students expanding user base and tools (prior slide)
- Student voices survey plans with ASUCD
- Staff collaborations
 - Student Affairs & other units
 - Improved survey coordination

Key lessons: collaborate and leverage existing tools!

Discussion

What did you learn during the pandemic that you plan to carry forward? How is it changing your institutional research practices?

Has it affected your concept of your audience and partners, and how you communicate with them?

Thank you!

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