The 2019 ECAR Student & Faculty Technology Surveys

PRESENTED BY
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Student Study

Total surveys
• 53,475 students
• 160 institutions
• 7 countries
• 38 US states

2019 report
• 40,596 student responses
• 118 US institutions
Faculty Study

Total surveys
- 10,078 faculty
- 127 institutions
- 6 countries
- 40 US states

2019 report
- 9,521 faculty responses
- 119 US institutions

2019 Report Topics

- Learning Environment Preferences
- Student Success Tools
- Technology Experiences
- Technology Use in the Classroom
- Accessibility
Poll Question

Has your institution ever participated in the ETRAC surveys?
- Yes
- No
- Not sure

Sign up at https://tinyurl.com/etrac2020
Learning and Teaching Environment Preferences
Poll Question

What activity did students tell us was the most preferred to have in a face-to-face environment?

- Projects with peers
- Course-related discussions
- Labs/demonstrations
Students said...

“I think the number one thing I would like to see my instructors using technology for would be engagement with the class. Currently, my instructors tend to use technology almost entirely as a presenting interface which I feel is a missed opportunity given the vast possibilities technology poses for engagement.”

“I want my professors to stop reading PowerPoint slides word-for-word off of a screen, and to start using the technology at hand to create a different kind of lecture that will engage their students in the learning process.”

“I’d love for there to be more interactive polling and questions during class. Even though I don’t like the idea of being in lecture everyday, that would keep me more engaged if the instructors were more dynamic with their tech use.”
Faculty said...

“How to workshops for things such as video/sound capture of lectures.”

“Allow colleagues that teach online the majority of the time to get together and discuss best practices and discuss new ideas along with the instructional designer.”

“Give me more time to work on technology in my teaching role. Between teaching, college service and other professional development, I don’t have time to learn what is available, how to use it, and develop content that uses it.”
Recommendations

- Use tech intentionally in class to increase interactivity & engagement in lectures and labs.

- Promote benefits and strategies for engaging in online teaching through mentoring, and the creation of sustainable learning communities.
Technology Use in the Classroom

Students

My instructors typically...

- Use technology during class to enhance learning with additional materials
- Use technology to engage me in the learning process
- Encourage me to use online collaboration tools to communicate/collaborate with the instructor or other students in or outside of class
- Encourage me to use technology for creative or critical-thinking tasks
- Allow me to use my laptop as a learning tool in class
- Allow me to use my hybrid/2-in-1 device as a learning tool in class
- Encourage me to use my own technology devices during class to deepen learning
- Allow me to use my tablet as a learning tool in class
- Allow me to use my smartphone as a learning tool in class

Percentage of respondents

Strongly disagree Disagree Agree Strongly agree
Poll Question

The percentage of faculty who discourage/ban smartphones in the classroom is…
- Over 50%
- Under 50%

Faculty

<table>
<thead>
<tr>
<th>Device</th>
<th>Ban or discourage</th>
<th>Equally discourage and encourage</th>
<th>Encourage or require</th>
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<tbody>
<tr>
<td>Laptop</td>
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<td>Tablet</td>
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<td>Smartphone</td>
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<td>Wearable technologies</td>
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</table>

Percentage of respondents
Students said...

“many of my professors do not allow technology in the classroom. Most of the books I need for class are much cheaper as digital copies, and if I need to bring the book to class, I should be allowed to utilize the technology I have access to.”

“I’ve had a few instructors who were strict on the no-technology during class policy. The majority of my textbooks/readings are on my tablet for easy access, so it was sometimes difficult to participate in class discussions about the readings.”

“Many instructors oppose using laptops in class. This is very troublesome for me because most of my textbooks are digital. They effectively prohibit me from using my textbook in class.”

“Require professional development…”

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<th>With integrating technology PD ban or discourage</th>
<th>Without integrating technology PD ban or discourage</th>
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<tbody>
<tr>
<td>Laptop</td>
<td>18%</td>
<td>27%</td>
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<tr>
<td>Tablet</td>
<td>23%</td>
<td>34%</td>
</tr>
<tr>
<td>Smartphone</td>
<td>49%</td>
<td>63%</td>
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Recommendations

- Offer faculty alternatives to tech bans.
- Facilitate faculty professional development on technology integration into teaching.
Poll Question

What percentage of students with disabilities said that their institution was not at all aware of their accessible tech needs?
- 0-10%
- 11-20%
- 21-30%
- 31% or more
Students

My institution is not aware of my accessible technology needs

All students with a disability

One or more physical disabilities

One or more learning disabilities

Both physical and learning disabilities

Percentage of respondents

Faculty

Faculty use of support services for making courses accessible to students with disabilities

Have used
Service not offered
Haven’t used in last year

Ratings of those services by faculty who have used them

Poor
Fair
Neutral
Good
Excellent

Percentage of respondents

EDUCAUSE
Recommendations

- Partner with units across campus to educate all students on the available accessible technology services and how to request them.

- Increase faculty awareness of student needs and accessibility support services.
2019 Student Study

ECAR Study of Undergraduate Students and Information Technology, 2019

https://tinyurl.com/etrac2019

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Participate in ETRAC 2020

- Sign up at: https://tinyurl.com/etrac2020
- Questions? benchmarking@educause.edu
Thank you!

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