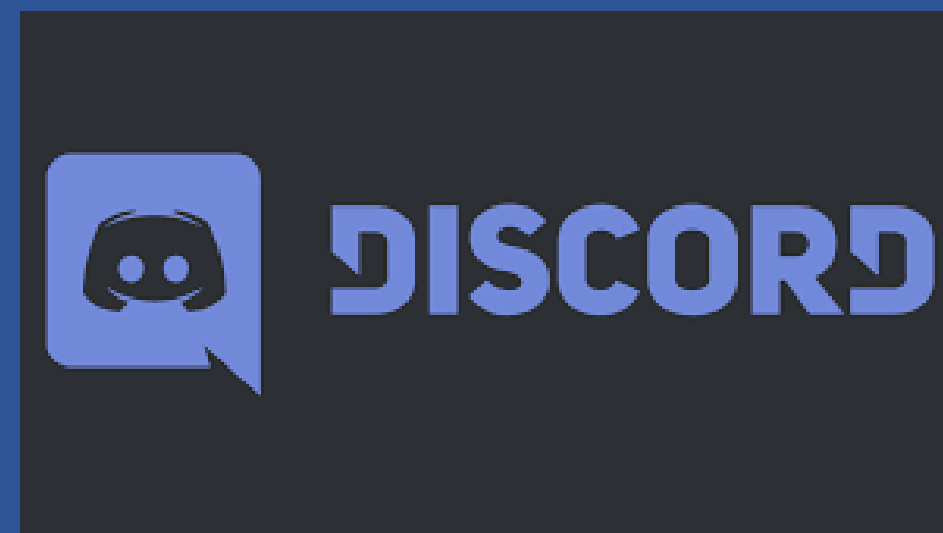
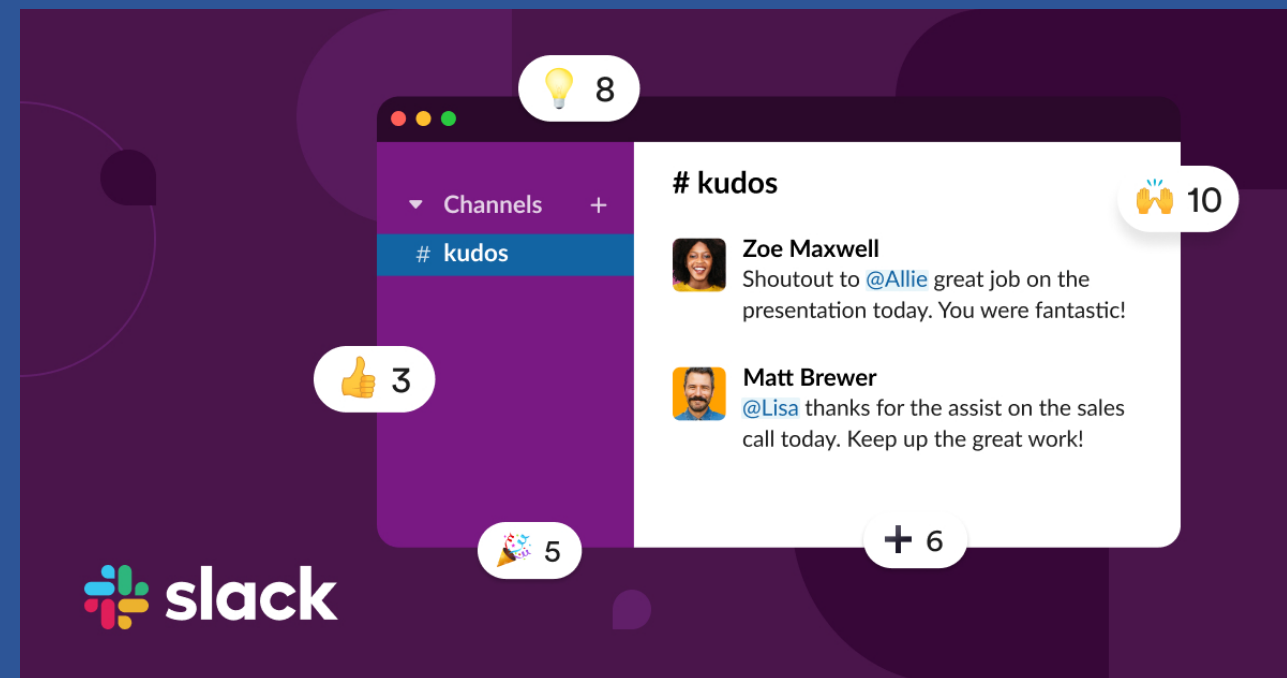


Digital Fluency in the Classroom



PLA
5/26/22

UCI

"COVID has kind of pushed us in this direction of online teaching. Even faculty who are resistant were forced into an environment where they had to use the technology. And I've heard from some faculty that they had no idea how innovative they could be with some of this technology in their classrooms."

—Nathan Brostrom, Executive Vice President and Chief Financial Officer, University of California Office of the President



Digital Fluency is

the ability to effectively and ethically interpret information,

discover meaning,
design content,
construct knowledge, and

communicate ideas in a digitally connected world

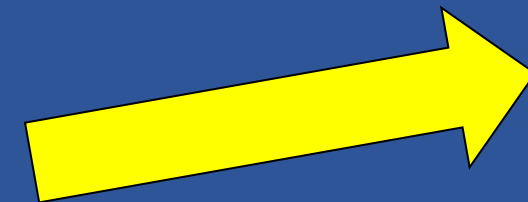


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How to use technology
effectively the classroom

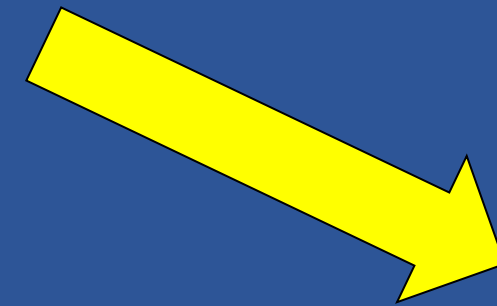


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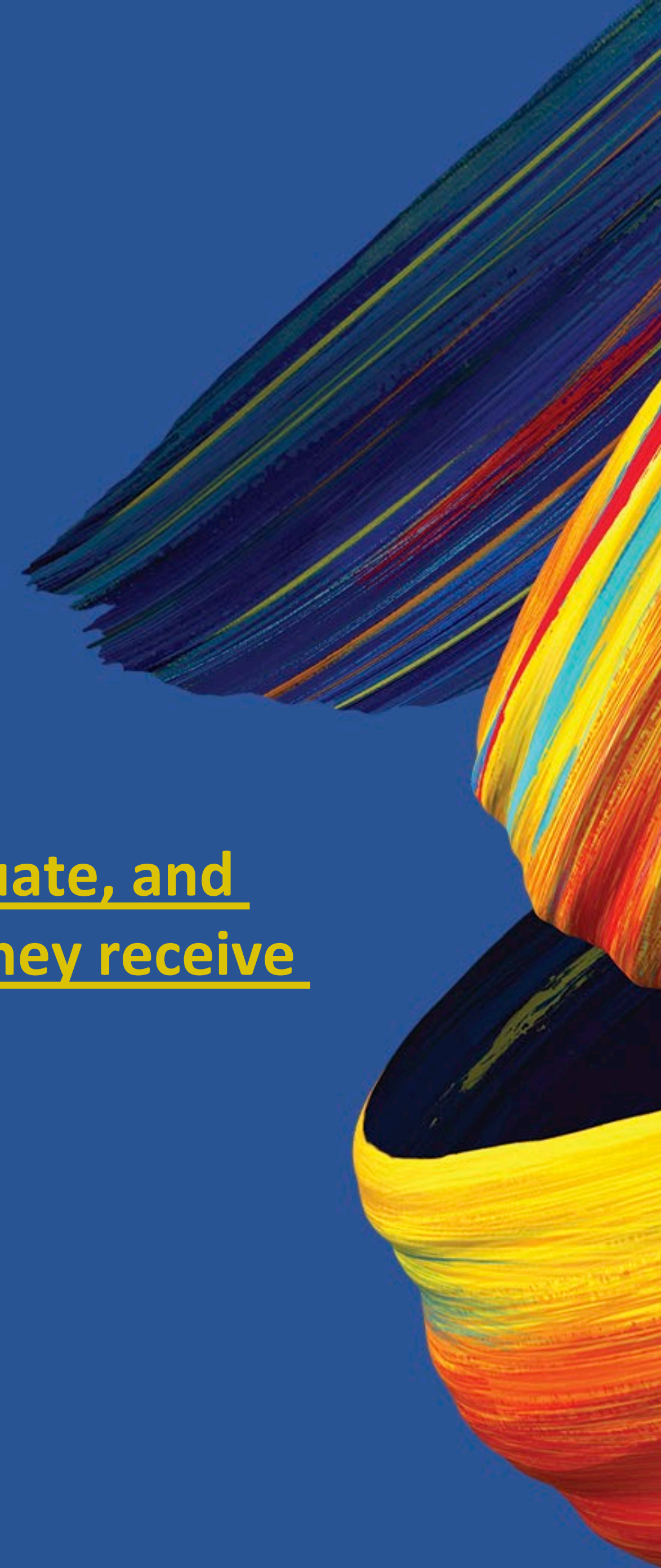
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How students consume, evaluate, and process (mis)information that they receive

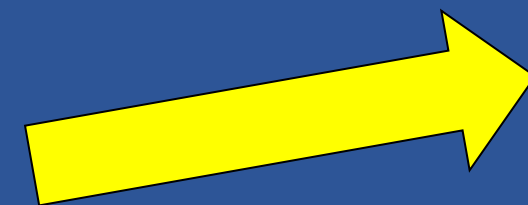


For this part of Digital Fluency: Task Force

the ability to

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design content,
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How to use technology
effectively the classroom



Why a Task Force?

One-time tutorials, to bridge faculty / student tech divide, not sufficient

Task force would support

- information gathering, from both students, faculty, and other stakeholders
- classroom experimentation
- long-term strategies



Where to Start?

Build on other University models (Virginia Tech), but w/ UCI flair!
- CEP, DTEI, OIE, OIT-Educ, etc.

Keep in mind issues of sustainability and inclusion



Potential Outcomes

SWOT of digital fluency on campus among students, faculty, staff

ID steps peer institutions have taken

ID resources already on campus; develop recommendation for new resources needed

Recommend long-term plan; Set 5 yr and 10 yr specific targets



What we already did

SWOT of digital fluency among students in

Informatics 153 Computer Supported Cooperative Work

Students given def'n of digital fluency

- describe any instances of digital fluency gap in the past 12 months.
- envision a solution to address this issue.

Sixty students submitted their answers, ranging from ½ to 1 page long



Survey Results

Zoom fumbles

Not embedding YouTube clips into PPT

But, most did not feel that these issues interfered with learning

Potential solutions:

- training and tech support on media use
- proactive communication through digital platforms
- student/faculty collaboration

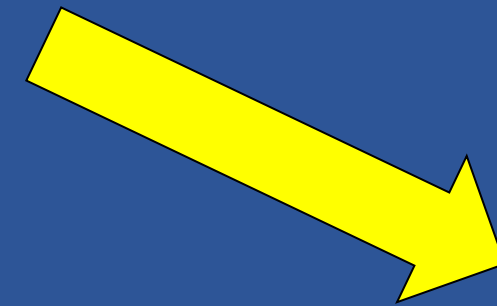


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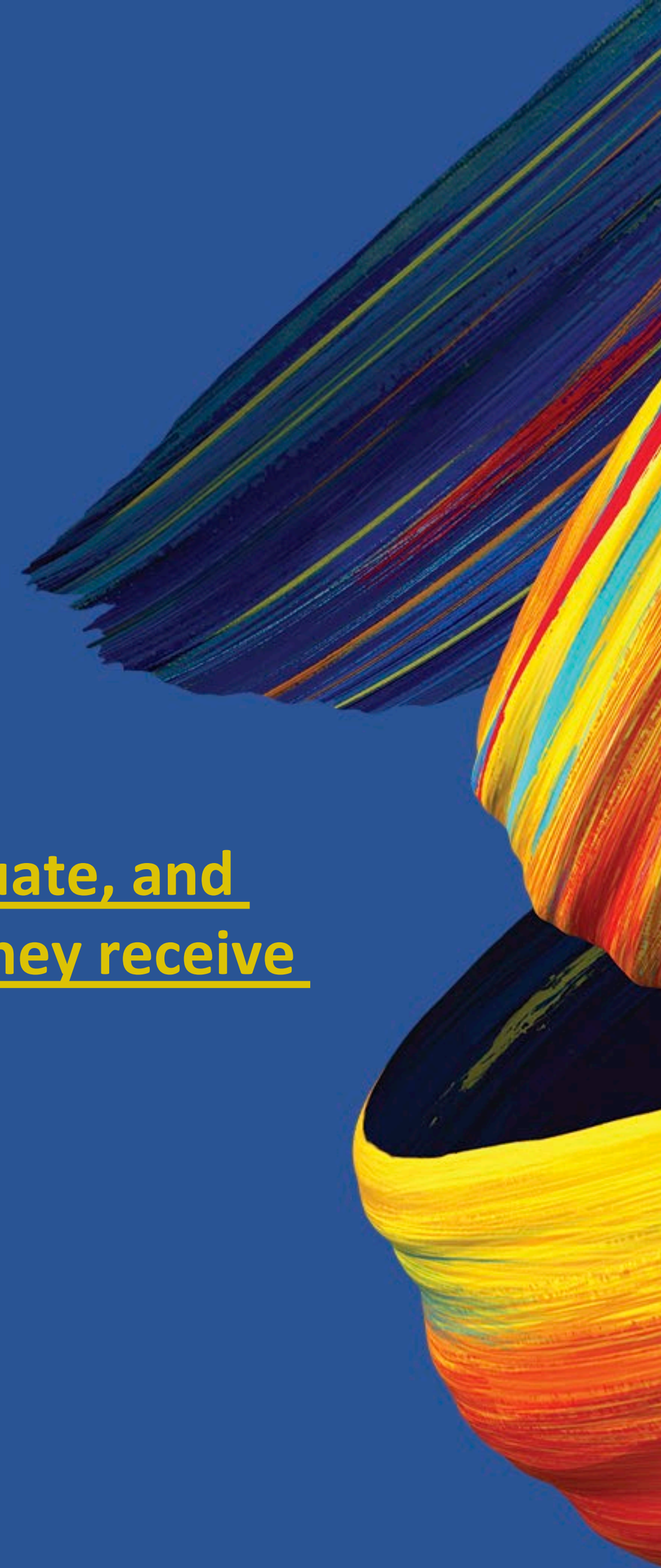
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How students consume, evaluate, and process (mis)information that they receive



Evaluate and process (mis)information

Next step: assess ways in which students consume media and process misinformation, through vignettes and multiple-choice questions

1. Read this news article and answer the question at the end.

Killer sparrows are moving from the East

A new sub-species of sparrows has been reported to spread from the East. These innocent looking birds show unusually aggressive behavior, not normally observed in other types of sparrows. Multiple cases of small flocks attacking people have been reported. Individuals who experienced an attack complain of multiple painful bites and scratches, and many have suffered a severe allergic reaction. A community in the Eastern part of Irvine was hit especially hard. Exercise extreme caution when leaving the house. Small children and elderly individuals are at a higher risk to be hospitalized.

What would be your immediate action after reading such a news article (choose one):

- (a) Share with your friends, because you are worried about them.
- (b) Search the web to find out more about this.
- (c) None of the above

2. Read this news article and answer the question at the end.

A local man dies after receiving a new anti-diabetic treatment.

Tuesday, January 22. Jerry K. Irvine, has been waiting to receive a new anti-diabetic treatment for 17 months. He suffered from a type-1 diabetes, taking daily medication. Two years ago BioPharmaCorp announced the release of a long-anticipated, new diabetes 1 treatment not only helped relieve most of the symptoms, but addressed the very cause of the disease. Clinical trials demonstrated that the treatment is very safe and highly effective. Jerry had put on a waiting list and recently received the news that treatment would be administered at his home town, Irvine, in January. After a week-long preparation and a two-hour procedure at the hospital, the man was released. The doctors said that they were happy with the outcome of the procedure. Unfortunately, Jerry was hit by a car and died on the spot minutes after leaving the hospital.

What is your opinion about the new anti-diabetic treatment described in this article (choose one):

- (a) It is a dangerous treatment because a man died after being treated.
- (b) It is not a dangerous treatment, according to this article.
- (c) I do not have an opinion about this treatment.

Conclusion

Whatever strategy is employed, it should be based on ensuring student success

What are criteria for student success?

- Learning—faculty may want strong evidence of this before making large changes
- Completion
- Retention
- Affordability
- (Employability)

All within an inclusive framework, for students and for faculty



Questions?

