LMS's & Inclusion

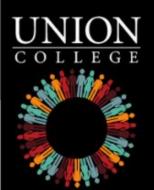
Developing a Framework for Campus Wide Inclusivity

Kevin Barhydt
Senior Inclusive and Learning Technology Analyst

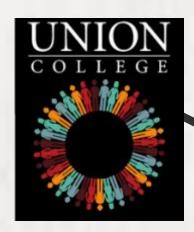
(formerly ITS Learning Technologies)

Category	Technology
Audience Participation	Plickers, Clickers/TurningPoint
Audio / Sound Design / Podcast: Record/Edit	Audacity, Digital Studio: Isolation Booth
Course Reserve Technologies	<u>iPad Loaner Program</u> , Video Kits
Experiential Learning Assistance/Facilities/Equipment	MakerWeb
Faculty Web Sites / Class Blogs	Muse (WordPress)
Faculty Development LDDI Opportunities	Summer FDI, "Small Moments. Big Ideas. Building Connections" lunches
Geo Spatial Technology / Mashup	Google Map, MapAList, GIS, TEI, Google Earth
High Performance, Clustered Computing	Research Computing via AWS and MGHPCC
Learning Management System	Nexus (Moodle)
Lecture Capture / Blended Learning	Panopto (formerly Ensemble), Camtasia, Jing, Doceri

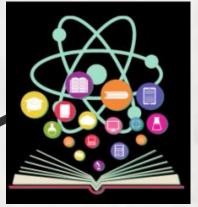
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Mobile Learning	iPad, Tablet PC, iPhone, Android
Image Creation/Editing	Photoshop
Presentation	PowerPoint, Prezi, Google Presentation, Doceri
Create Voice Over Video or Screen capture	<u>Digital Studio</u> : <u>Isolation Booth</u> & Wacom Tablet
Publish Streaming Video & Audio / Media	Panopto (formerly Ensemble), YouTube
Scanning / Optical Mark Recognition (OMR Grading)	FCRC: Flatbed Scanners, iPad Scanner Apps, FCRC: Remark Office OMR
On-Demand Technology Training for Faculty & Students	LinkedIn Learning Video Training (formerly Lynda.com)
Video Production: Record/Edit	Adobe Premiere, Quicktime Pro, iMovie, <u>Digital</u> Studio: Production Studio / <u>Isolation Booth</u>
Web 2.0 / Task & Collaboration Oriented Tools	Google Core Apps / Google Apps Additional Services
Web Conferencing / Telepresence / Virtual Office Hours / Remote Training / Live Webcast	Zoom, Skype, Cisco Telepresence, Ustream, Digital Studio ConnectIT Lab



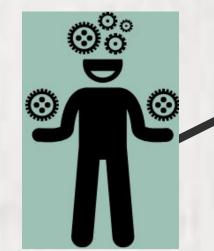
















Universal Design for Learning...

"UDL is a framework intended to support the development of curricula which consider learner diversity and support inclusion. It is based on universal design for all users, regardless of disability, age, gender, size, culture and other factors." (Connell et al. 1997; CEN 2003).

"

Inclusive Technology..

"the use of digital technologies to support and scaffold learning to maximise the learning experiences of all learners"

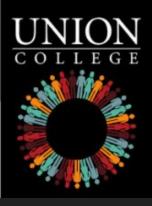
(Pellerin, 2013).

Learning Objectives

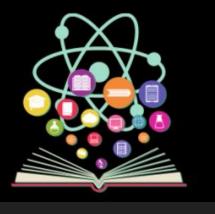
- 1. List two ways inclusive technology can be most powerfully articulated in your community and your individual work.
- Explain how Design Thinking can be used to develop a framework to promote inclusivity and accessibility and develop buy-in and targeted outreach.
- Name one or more strategies for developing communities of practice that connect stakeholders across the institution for proactively addressing inclusive technology.

Where in your community is the vision for inclusive technology most powerfully articulated?

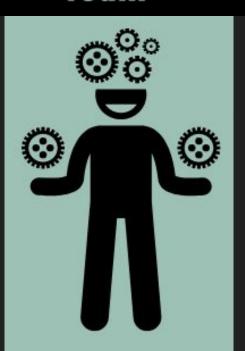




Learning Design & Digital Innovation Team



2018...



...2022

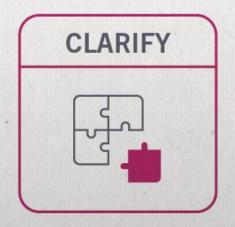


Reimagine the curriculum and renew pedagogy to anticipate and respond to contemporary and emerging academic needs and opportunities.

"Increase support for interdisciplinary, innovative and *inclusive* approaches to teaching, advising and mentorship, including emerging instructional technologies and evidence-based instructional design methods."



Stages of Design Thinking

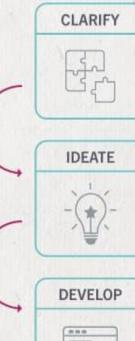






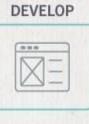


Harvard Business School
Dean Srikant Datar



- Make concrete observations about users.
- Reframe the problem to gain insight on deeper user needs.

- · Identify design principles that will guide ideation.
- Overcome cognitive fixedness to generate innovative ideas that fulfill the user needs identified in your research.

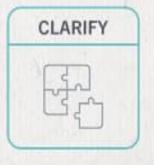


- Combine ideas into concepts by critiquing a range of possible solutions.
- Prototype quickly and purposefully to answer critical questions about a concept's viability.

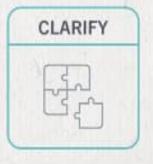


- Apply principles of effective communication when describing your innovation's value to key stakeholders.
- · Reflect on innovation management strategies.

Harvard Business School, Dean Srikant Datar

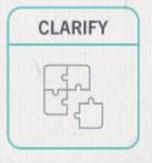


- Make concrete observations about users.
- Reframe the problem to gain insight on deeper user needs.
- Identify and empathize with your audience
- What's in it for them?
- Take note of any that stand out
- Reframe findings into a problem statement or question
- Focus on the big picture
- Frame and reframe as you glean new insights



- · Make concrete observations about users.
- Reframe the problem to gain insight on deeper user needs.

- Identify and empathize with your audience
- What's in it for them?
- Common pain points?
- Take note of any that stand out
- Reframe findings into a problem statement or question



- Make concrete observations about users.
- Reframe the problem to gain insight on deeper user needs.

- Faculty perceive Inclusion as an outside the classroom issue.
- Students perceive Inclusion as an individual rather than community based issue.
- How can the various pockets of Inclusive technology have greater campus wide impact?



- Identify design principles that will guide ideation.
- Overcome cognitive fixedness to generate innovative ideas that fulfill the user needs identified in your research.
- Identify similar pain points
- Categorize them
- Evaluate resources
- Brainstorm ideas



- · Combine ideas into concepts by critiquing a range of possible solutions.
- Prototype quickly and purposefully to answer critical questions about a concept's viability.

- Develop ideas
- Test, adjust, experiment, prototype



- Apply principles of effective communication when describing your innovation's value to key stakeholders.
- Reflect on innovation management strategies.
- Continue refining as you prepare
- Experimentation doesn't end
- Iterative process

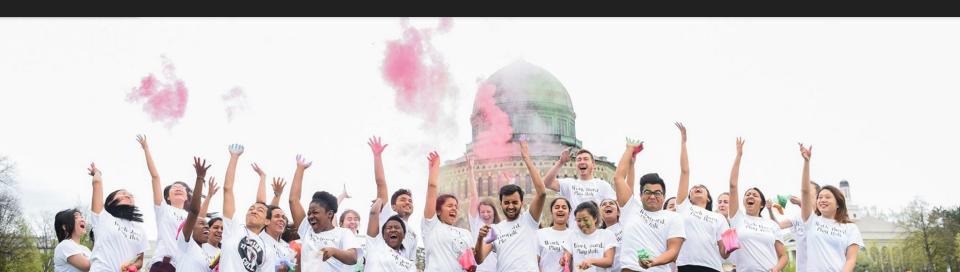




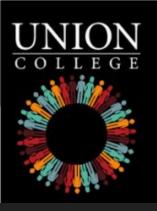




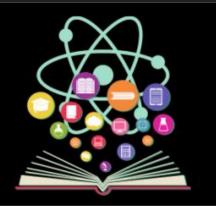
- New Pedagogical Strategies
- New Technologies
- EIT Accessibility Working Group



New Pedagogical Strategies



Learning Design & Digital Innovation Team

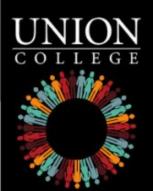


https://www.union.edu/lddi

Inclusive Syllabus

Inclusive Teaching Strategies

https://muse.union.edu/faculty-deib/inclusive-teaching-strategies/



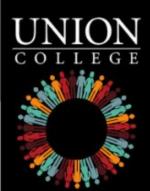


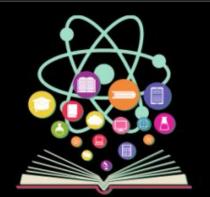
Teaching with Technology Grants

https://www.union.edu/academic-affairs/policies-forms/internal-education-foundation-guidelines-grants-faculty

Course Incubator Workshop

https://www.union.edu/lddi/2022-summer-faculty-development-institute



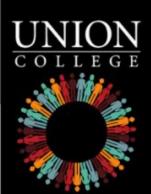


DEIB Faculty Resources

https://muse.union.edu/faculty-deib

- Faculty Development Institute
- FDI Book Club

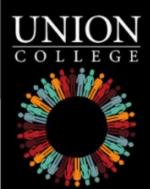
https://www.union.edu/lddi/2022-summer-faculty-development-institute

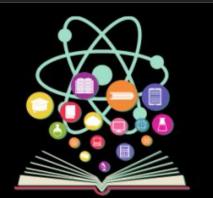




Learning Technology Student Consultants

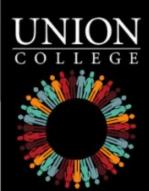
https://www.union.edu/lddi/learning-technology-student-consultants





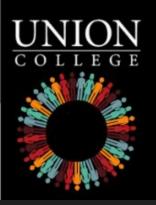
Affinity Groups

- Campus Diversity & Inclusion
- LGBTQ+
- Liaison Committee for Campus Diversity
- Women of Color Collective
- BIPOC Employee Alliance
- UNITAS



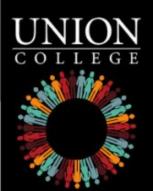


New Technologies



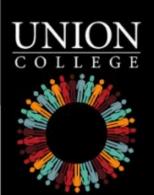


- Inclusivity (Everywhere): stealth mode
- Blackboard Ally
- Moodle 4





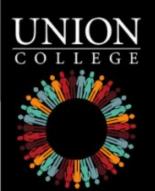
- Audience Participation: Plickers
- Blended Learning: Panopto
- Collaboration Tools: Google Core Apps
- Virtual: Zoom, Cisco Telepresence
- Podcast: Digital Studio ConnectIT Lab





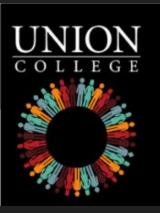
LDDI Trainings

- Creating Inclusive Course Content
- Mini-Conference on Inclusive Pedagogy
- Silver Linings
- Stories of Innovation at Union College

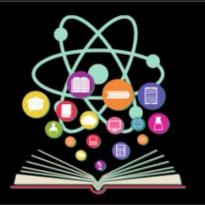




EIT Accessibility Working Group



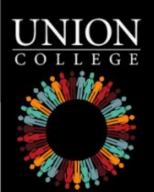
Learning Design & Digital Innovation Team



https://www.union.edu/digital-accessibility

EIT Successes

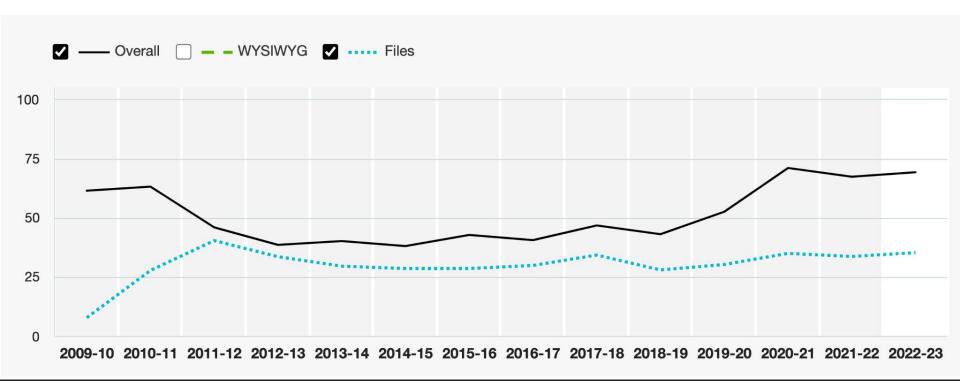
- Digital Accessibility Website
- Inclusivity and Accessibility Training
- Digital Accessibility Checklist
- Buy-in from the VP and President

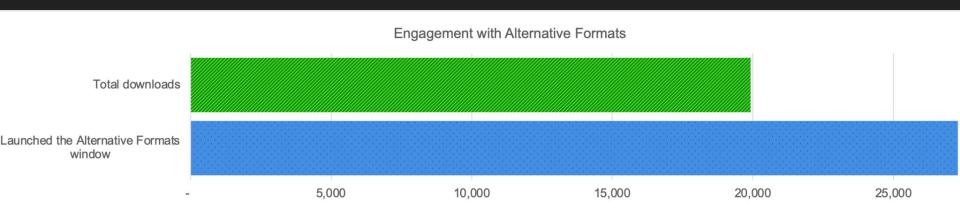


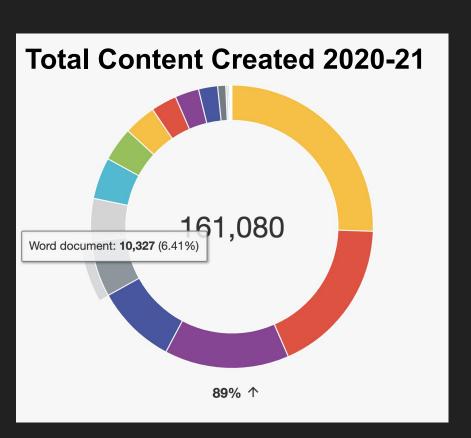


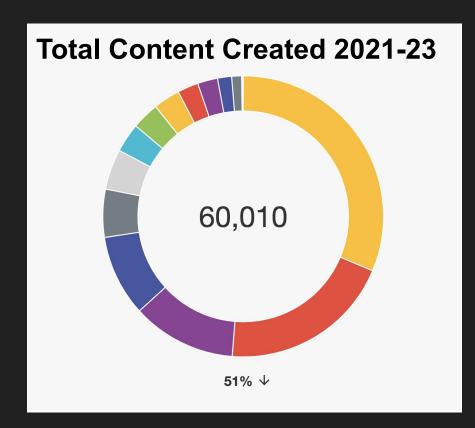
Accessibility score

By academic year

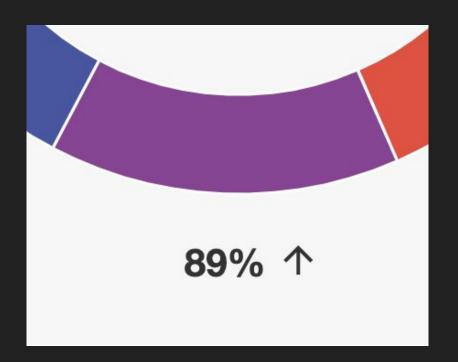




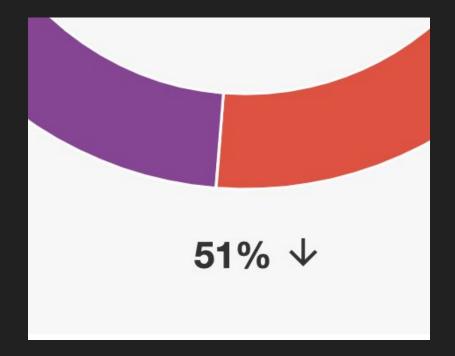




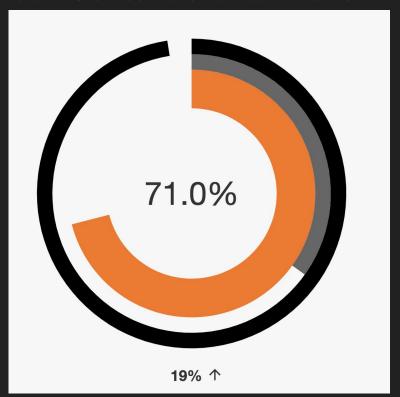
Total Content Created 2020-21



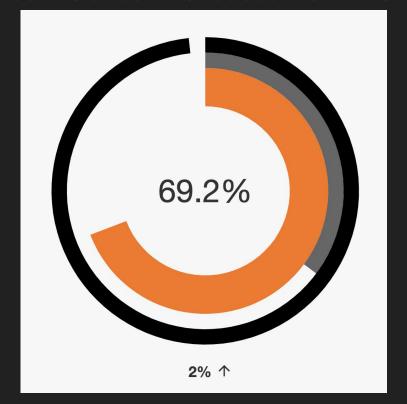
Total Content Created 2021-23



Total Content Created 2020-21



Total Content Created 2021-23









"Growing the Game: Expanding Hockey's Horizons" Tuesday, February 21 7:00 p.m.



General Sports | 2/19/2023 2:52:00 PM | Steve Sheridan, Athletic Communications Director

Union To Host Discussion on Diversity and Inclusion in Hockey





















General Sports | 2/19/2023 2:52:00 PM | Steve Sheridan, Athletic Communications Director

Union To Host Discussion on Diversity and Inclusion in Hockey

- Use Your Vendors
 Gorilla Market
- Leverage Experts
 Students
- Newsletter

- - Lean Into Tech



Stages of Design Thinking



- Change Perceptions of Inclusion
- Campus Wide Impact



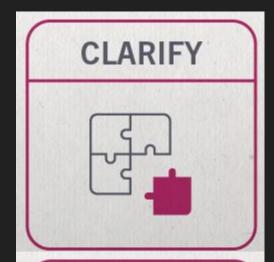
- Change Perceptions of Inclusion
- Campus Wide Impact



- Change Perceptions of Inclusion
- Campus Wide Impact



- Change Perceptions of Inclusion
- Campus Wide Impact



Perceptions



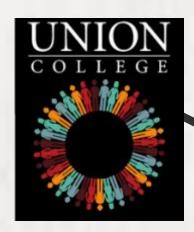
Impact



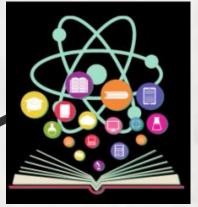




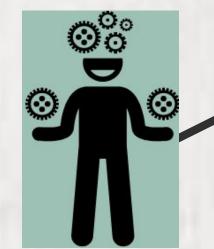
Where in your individual work can the vision for inclusive technology be most powerfully articulated?





























Thank you



LMS's & Inclusion

Developing a Framework for Campus Wide Inclusivity

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Senior Inclusive and Learning Technology Analyst