

NAUFLEX OVERVIEW

Classroom Technology

Dan Stoffel

ITS Academic & Research Technology Services

Kegan Remington

ITS Classroom Support

Learning Management System / Faculty Tools

Larry MacPhee

E-Learning

Pedagogy / Course Design

Samantha Clifford

NAUOnline & Innovative Educational Initiatives

NAUFLEX CLASSROOM TECHNOLOGY

- ITS-mediated classrooms will receive simple yet high-quality webcams and microphones to enable video conferencing, allowing for instruction to be consumed from any location synchronously.
- To-Go kits with high-quality webcam with microphone, portable document camera, USB hub and (in some cases) 2-in-1 laptop/tablet will allow instructors with approved accommodations to teach remotely.
- NAU is re-prioritizing Technology Fee funds that were earmarked for computer upgrades and classroom improvements.

NAUFLEX CLASSROOM TECHNOLOGY

AVerMedia Live Streamer Cam 313

- Adds simple hardware to enable audio and video recording/streaming

18" OnStage gooseneck with flange mount and webcam thread adapter

- Secures webcam to existing lecterns and allows for flexibility of webcam directionality



NAUFLEX CLASSROOM TECHNOLOGY

ViewSonic TD2455 24" Interactive Display

- Adds digital annotation capability

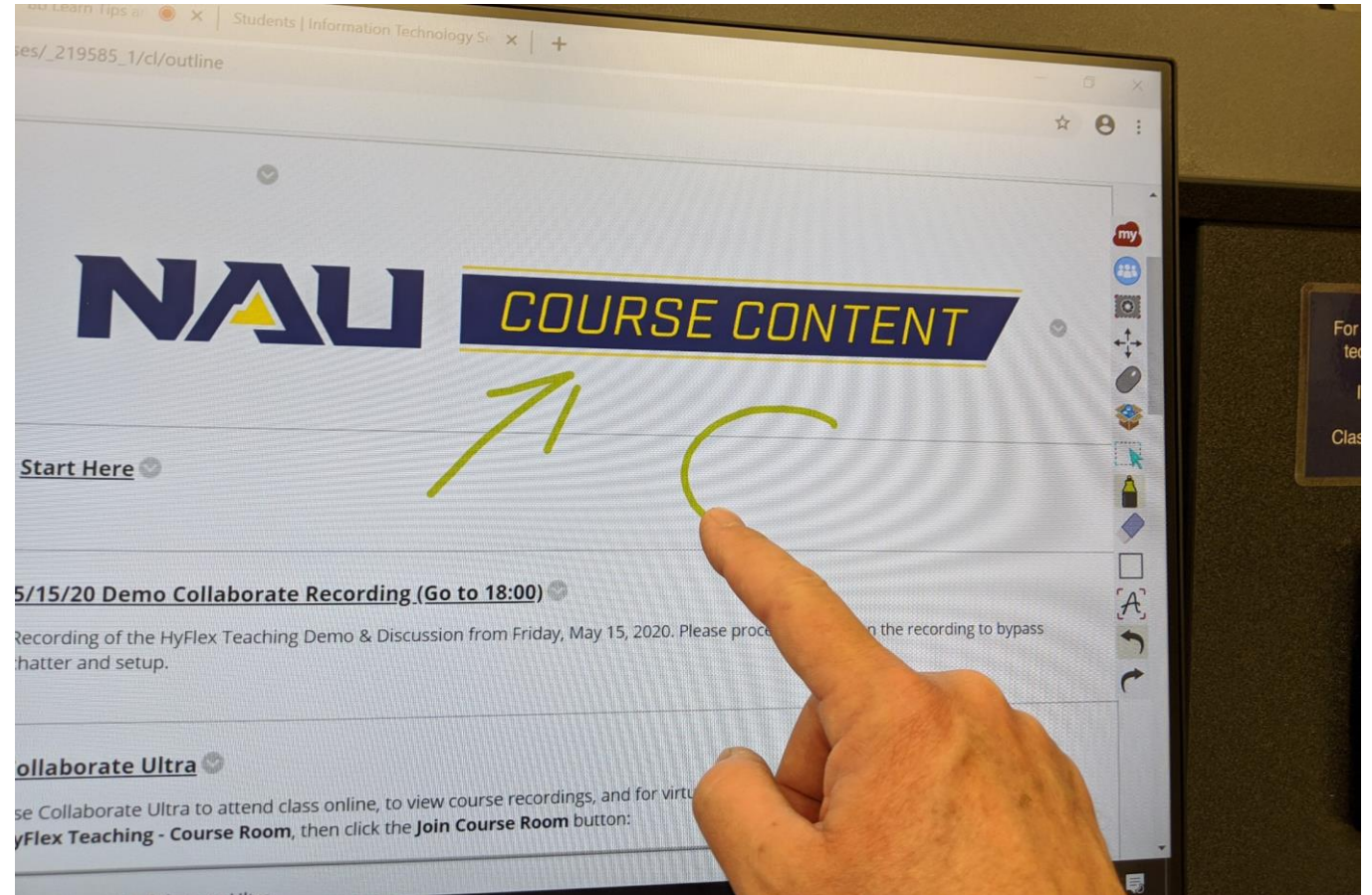
USB Connection for existing Lumens PS752 Document Camera

- Adds ability to stream document camera image to remote users



NAUFLEX CLASSROOM TECHNOLOGY

Interactive touchscreen displays will replace existing lectern monitors, allowing for direct annotation on screen



NAUFLEX CLASSROOM TECHNOLOGY



- Installations are already underway thanks to quick sourcing of hard-to-obtain hardware.
- Classroom Support is on target to have all mediated classrooms upgraded by August 12.
- Contact ITS if you would like to pilot NAUFlex this summer.

NAUFLEX: E-LEARNING SUPPORT

Learning Management Support (LMS)

- Bb Learn
- Collaborate Ultra
- Kaltura (for Streaming Recordings)

Existing Resources

- ELC Tutorials <https://in.nau.edu/elearning/elc-tutorials>
- Recorded Webinars
- E-Learning Faculty Tools website

CURRENT QUESTIONS/NEEDS

1. How to design equitable learning opportunities for both in person and remote attending students.
2. How to design equitable assessments for both modalities.
3. How to build a community of learners across participation modes.
4. How to infuse engagement, active learning, and interaction in your NAUFlex course.
5. How to manage the class with both participation formats.
6. How can the available tools and technology assist you.

EXAMPLE PLANNING FOR ACTIVITIES

Learning Activity	Synchronous in person strategy	Synchronous remote strategy	Optional: Makeup strategy (Asynchronous)
Learning Activity: Think-Pair-Share or group work	After a concept is taught, students pair up, discuss the material and develop questions or a short summary to share with the class.	After a concept is taught, students are grouped online to discuss the material and develop questions or a short summary to share with the class.	After reading and viewing course materials, students share summaries and discuss them in a Discussion Forum.
Learning Activity: Student Presentation (with classroom feedback)	Students present to the class. Presenters answer questions posed by classmates.	Students present to the class via screen share. Presenters answer questions posed by classmates.	Students upload their presentations in Bb Learn. Instructor posts videos to a Discussion Forum for students to view, ask questions, and respond.
Learning Activity: Lecture	Instruction is delivered by the instructor lecturing to the class. This includes the instructor posing questions to the students and the students asking questions of the instructor.	Student view the lecture via live stream in Zoom or Collaborate Ultra.	Recorded Video of Lecture Discussion forum Student (ongoing discussion where students can ask other students questions)

PLANS FOR ADDITIONAL PROGRAMMING

How to infuse **interaction** and **build community** in the NAUFlex learning environment

How to create alternative **assessments** in the NAUFlex learning environment

How to **manage** the NAUFlex classroom

Future: Syllabus & Policies, Proctoring

Q&A

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THANK YOU

Slide Deck and recording of this webinar will be available at **nau.edu/facdev**.

Scroll down to **Webinar Recordings**.