Echo360 Classroom Demonstration
Fall Faculty Ramp Up 2020 - Virtual

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Echo360 Classroom Demonstration

- Are you teaching in an Echo360 or Distance classroom this Fall? Today we will watch a quick demonstration of a typical classroom configuration. Particularly with COVID-19 class size restrictions and hybrid class configurations, Echo360 captures and live streaming benefits both students and faculty. See what it looks like in the typical classroom.
Echo360 Classroom Demonstration

• Our goal is to help answer your questions and give you the basic knowledge about using Echo360 in your classroom. When you come to campus you can visit your classroom and be equipped with the basic knowledge you need to be successful, recording and using Echo360.
Agenda

- How does it work, and what does it look like in the classroom?
- Best Practices for Echo 360 Lecture Capture
- What do students see when viewing Echo360 recordings?
- What does it do to help students and faculty?
- Which classrooms have lecture capture capability?
What is Echo360?

- Echo360 is our campus-wide lecture capture system that allows instructors to record lectures automatically in 200+ Echo360 equipped classrooms throughout campus.

- Echo360 also provides Universal Capture: Personal software
  - Allows instructors to record lectures from their home or office.
Three Components for Lecture Capture

- Lecture Capture is an automated process that records classes throughout campus, and...it is FREE!

1. Video
   - Via a Video Camera installed in a classroom
Three Components for Lecture Capture

2. Audio - Recorded with a microphone:

- Clip on Lavaliere Mics
- Handheld Student Mics
- Ceiling Mics
- Boundary Mics
Three Components for Lecture Capture

3. Screen Capture
   • Whatever is being projected

Document Camera  Lectern PC  Laptop w/ PowerPoint...
The Podium
The Crestron Control Panel

Turn System On
Hook up Device

Hook up laptop device, or use lectern PC, or Doc Cam

USB

HDMI

Ethernet
The Podium

Select Device
The Mic
Set a Camera Shot

Clark A Wing

Example
Set a Camera Shot

Most Classrooms do not have a Camera display on the Crestron.

- Choose from three shots: closeup or tight shot, medium shot, or wide shot.
- First day of class, use #1-close up and stay near podium. At end of class choose #2-medium and then #3-wide and watch first video to see the different composition of camera choices.
Other Devices

- Power on Lectern PC
Best Practices for Echo360

• Audio
  – Turn mic on, look for green light
  – Wear mid sternum in middle of chest
  – Be gentle with beltpac, leave wire loose, don’t wind tight
  – When finished, place beltpac firmly in charger, light turns on
Best Practices for Echo360

• Screen/Slides
  – Use a large font, 24pt or above - This is 40 point
  – Use High Contrast colors
  – Limit to seven lines of text or start a new slide
  – Include pictures and graphics as much as possible to help communicate your content
Best Practices for Echo360

• Camera/Video
  – Use close up shot when you can so students can get to know you
  – Avoid wearing stripes – camera can’t focus
  – Turn on podium lights for camera
  – Look up at the camera to include the live streaming students
Best Practices for Echo360

• Live Stream – Champion Student
  – Have a student in the classroom assigned to watch the live stream and report any issues
  – Have an Online student watching the live stream and report any issues:
    • Cell phone
    • Email
    • Your preference
Example of What Students See

2017FA-CIVE-544-001: Water Resources Planning a...

Course Status
- Published
- Unpublish
- Import from Commons
- View Course Stream
- New Announcement
- View Course Analytics

Coming Up
Nothing for the next week
Example of What Students See
Example of What Students See
Example of What Students See
Example of What Students See

Pricing Out—Improving Solution

- Finding the most negative component \( c_i \) of reduced costs \( c_j^k \) called pricing out.
- Increasing corresponding component \( x_j \) of \( x_k \) causes \( z \) to further decrease; \( x_j \) becomes new basic variable.
- At the same time, decreasing component \( x_k \) of \( x_k \) as selected by the ratio test (described subsequently), has no effect on \( z \) since it has a 0 cost coefficient.
How do I Lecture Capture?

• For Fall 2020, all classes scheduled in Banner will automatically have an Echo360 Course and Section created, and faculty assigned.

• All sections scheduled in an Echo360 Enabled Classroom will automatically have their Recording Scheduled created

• Faculty who do not wish to record can choose to do nothing, or they can Opt Out for:
  • Cancel recordings for all their classes
  • Cancel recordings for only specific classes

See: http://help.echo.colostate.edu
How Does Lecture Capture Benefit Students?

• Students can watch at their own speed
• Students can re-watch content
• Canvas integration
• Echo360 Collaborative Tools
  – Students can take notes via the Echo360 interface
  – Students can “bookmark” specific areas of recordings
  – Students can participate in discussions via Echo360 interface
  – Students can indicate “areas of confusion”
How Does Lecture Capture Benefit Students?

- Viewing via Echo360 mobile app
- Helps students with different learning styles
- Helps international and ESL students
- Adds value to the course
- Reduce impact of sick days and absences
- Use of electronic data feed is more visible than whiteboard
  - Doc cam, Computer screen, or what is being projected
What’s in it for me?

• Students will like you more
  – UTFAB has made it a priority to increase lecture capture
  – Univ. of Toledo Trigonometry class study
    • Failure rates decreased from 28% to 4%
  – COVID – 19 restricted students will have the opportunity to watch your lectures and keep up with your classes
  – Hybrid taught classes will allow students to watch a lecture live one day, and on line another day, allowing for smaller class sizes, to meet social distancing requirements.
What’s in it for me?

• You will have access to viewer analytics
  – Are students watching your recordings?
• You can use data and student questions to inform instruction
  • Note taking, confusion flags, discussions, bookmarks, transcripts, (Closed Caption available at a fee for disabilities.)
• Your courses are archived for future use
What’s in it for me?

• Professional conference? Out for a week?
  – Pre-record
  – Use last term’s recordings
• Evaluate your own in-class performance
  – Watch and listen
  – Evaluate visuals and content
  – Media professionals do this daily to improve their presentation
Echo360 Help

Echo360 is a lecture capture technology that provides the ability to record audio, computer screen content, and (optional) video of the instructor and make it available to students online.

Prepare to Teach Online with Echo360 Universal Capture
Follow these steps to be ready to teach online with Echo360 Universal Capture for your personal PC/Laptop:

- Universal Capture Instructions

Record in an Echo360 Classroom on Campus

New for Fall 2020: Automatic creation of:
- All Echo360 courses, sections, and primary instructor enrollments.
- Many recording schedules in a much larger number of classrooms.

Please complete a scheduling or canceling form if:
- You need to record in a classroom that has not already been automatically scheduled.
- You are already scheduled to record in a classroom but will not use it.

- Scheduling & Cancelling Instructions

Add Your Echo360 Content to Canvas

- Canvas Integration Instructions

Have questions or need help?
Resources

- http://help.echo.colostate.edu
- http://echo360.org
- http://help.echo360.org/
- Email – echo360help@colostate.edu
  - Marianne.Bauer@colostate.edu
  - Ed.Gudemann@colostate.edu
Thank you