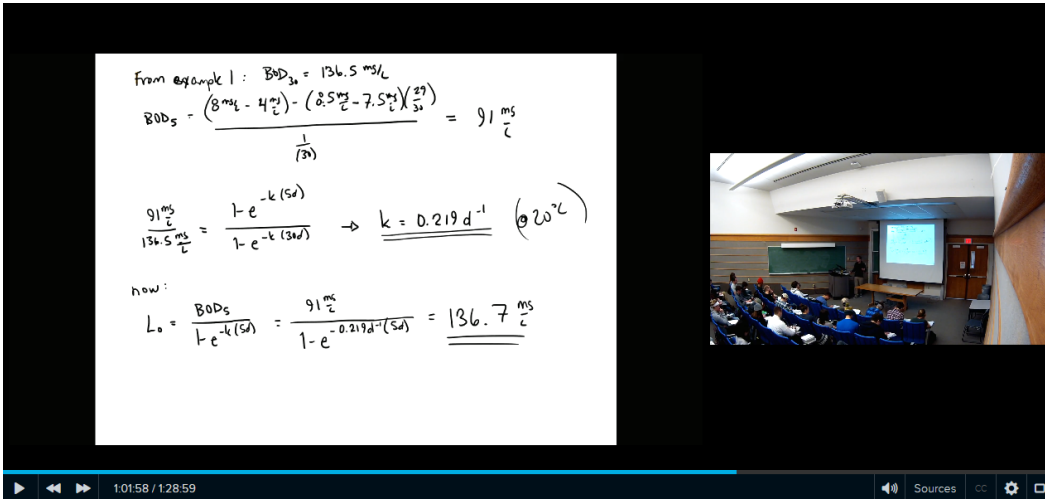


Echo 360: Lecture Capture in the Classroom



The screenshot shows a video player interface. On the left, there is a whiteboard with handwritten mathematical derivations. The first part shows the calculation of BOD_5 from BOD_{30} and t . The second part shows the calculation of k from BOD_5 and BOD_{30} . The final part shows the calculation of L_0 from BOD_5 and k .

From example 1: $BOD_{30} = 136.5 \text{ mg/L}$

$$BOD_5 = \frac{(8 \text{ mg/L} - 4 \text{ mg/L}) - (8.5 \text{ mg/L} - 7.5 \text{ mg/L}) \left(\frac{27}{30} \right)}{\frac{1}{(30)}} = 91 \frac{\text{mg}}{\text{L}}$$
$$\frac{91 \frac{\text{mg}}{\text{L}}}{136.5 \frac{\text{mg}}{\text{L}}} = \frac{1 - e^{-k(5d)}}{1 - e^{-k(30d)}} \rightarrow \underline{k = 0.219 \text{ d}^{-1}} \quad (20^\circ\text{C})$$

now:

$$L_0 = \frac{BOD_5}{1 - e^{-k(5d)}} = \frac{91 \frac{\text{mg}}{\text{L}}}{1 - e^{-0.219 \text{ d}^{-1}(5d)}} = \underline{136.7 \frac{\text{mg}}{\text{L}}}$$

On the right side of the video player, there is a small inset image showing a classroom with students seated at desks, facing a screen displaying the same content.

At the bottom of the video player, there is a progress bar showing 1:01:58 / 1:28:59 and control icons for play, stop, volume, sources, and settings.

Clarkson classrooms are equipped to record presenter's content, audio & video using Echo 360. Recordings are scheduled in advance (one-time or recurring) and students view recordings online. Instructors can link to recordings within Moodle to share with students only, or share access publicly. OIT can assist you with selecting the option that is right for you.

Getting Started:

To schedule Echo360 captures for each class period: Prior to each term, instructors submit request via Peoplesoft Faculty Center.

To activate **Echo LIVE**, Instructors must submit request to helpdesk@clarkson.edu (include course, schedule and room). More about Echo LIVE: [Live Streaming for Instructors](#), [Viewing Live Streamed Classes](#)

To record only select event(s), submit request to helpdesk@clarkson.edu with dates, times and location. Allow 1-2 business days for schedule set up.

- [Echo 360: Lecture Capture in the Classroom](#)
- [Publish Zoom Recording to Echo Course](#)
- [Echo360: Universal Capture Desktop Recording](#)
- [Technology Recommendations for Distance and Online Learning](#)
- [Echo360 Universal Capture Desktop: Sharing Recordings](#)