



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Pharmaceutical Sciences

UBC PharmSci Lecture Capture and WebEx

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What does our experience/study say?

Lecture Recordings...

- Can contribute to increased engagement
- Decrease students' cognitive load
- Attendance may decrease ~10%
- A large majority of students still primarily attend lectures in person

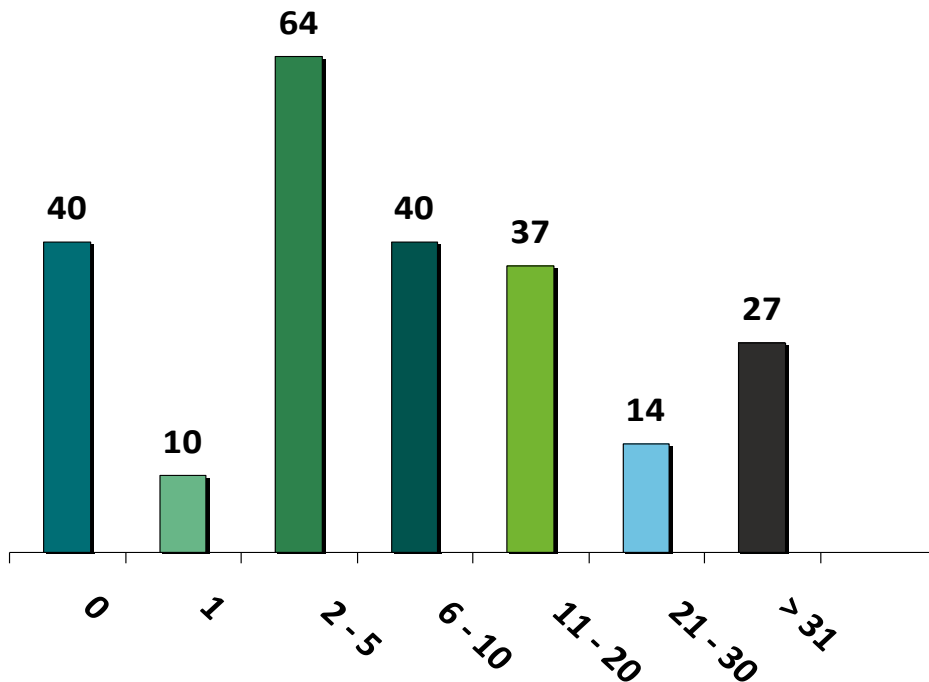
Mayer, 2005; Balfour, 2006; Gee, 2007; Lane, 2006; Davis, Connolly, & Winfield, 2009

Current LC Setup

- Faculty of Pharmaceutical Sciences partnered with UBC IT/AV to record lectures in 8 classrooms within our building.
- The recordings: audio and dual-video capture, & screencasts
- Students accessed secure stream-only recordings through our LMS
- Private Recording room for 'flipped' activities

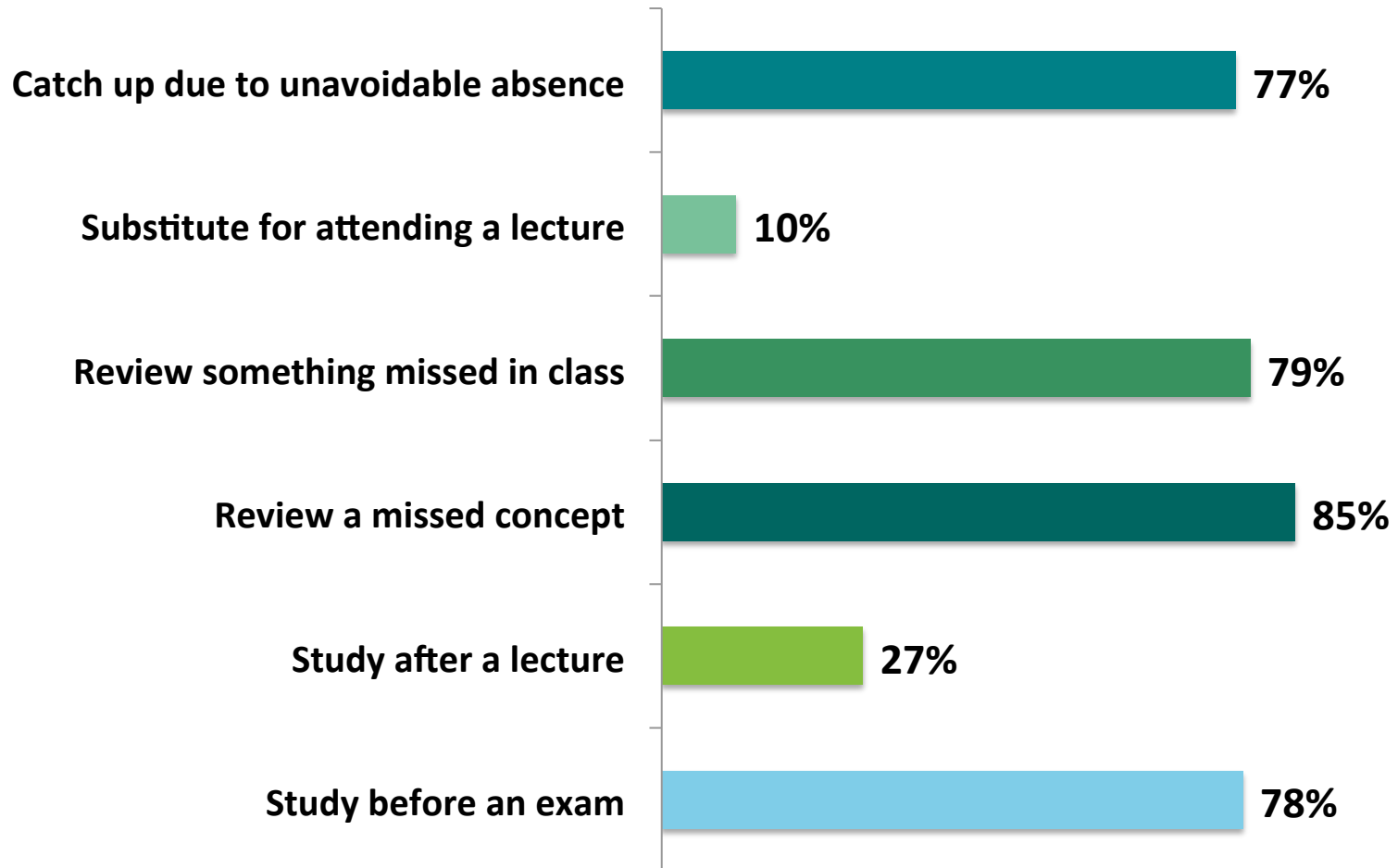
Awareness and Usage: Students

Number of Recordings Viewed per Student



- ☆ 83% of students viewed at least one recording
- ☆ 96% of recordings viewed at least once
- ☆ Total views: 16,144 (2010/11)
7,685 (2011/12)
- ☆ Total hours: >15,550 (2010/11)
> 14,100 (2011/12)

Awareness and Usage: Students



Learning Impact: Students

Effect on Learning	n	Rating (Max = 5)
Improved my understanding of content	184	4.5 \pm 0.7
Helped me retain information delivered in lecture	183	4.4 \pm 0.8
Enabled independent resolution of questions	182	4.3 \pm 0.8
Allowed increased attention in class	183	4.1 \pm 1.0
Controlled pace of viewing allowed deeper understanding	182	4.4 \pm 0.9



93% of students reported no change in their in-class participation



93% agreed the recordings enhanced learning

Learning Impact: Overall

Item	Students	Faculty
Participation in class	No Change	No Change
Improvement in grades	N/A	No Change
Understanding of course content	91% Agree	No Change
# or quality of comments or questions	No Change	No Change/Slight Decrease
Focus on presentation and not notes	75% Agree	50% Agree
Enhanced Learning	93% Agree	No Change

Attendance: Students

- 92% of students attended classes as usual
- 4% chose to miss 1 to 2 classes per week
- 3% chose to miss 3 or more classes per week

“Recordings don’t substitute for actually being there”

“It’s more beneficial to my learning to be in class”

“This decreases stress about missing a class for a good reason”

“It’s nice not to have to rely on a classmate if I miss a class”

WebEx at PharmSci

The screenshot displays the Cisco WebEx Meeting Center interface. The main window shows a presentation slide titled "VC Anywhere Training Guide" with a background image of a person on a mountain. An "Audio Connection" dialog box is open, with the "Call Using Computer" option highlighted and a blue circle '1' next to it. The bottom of the slide features logos for UBC, "a place of mind", and "THE UNIVERSITY OF BRITISH COLUMBIA".

On the right side, the "Participants" panel shows a grid of video feeds and a list of participants. A blue circle '2' is next to the "Participants" header, a blue circle '3' is next to the "jīng jīng (me)" entry, and a blue circle '4' is next to the "TelePresence systems" entry. A blue circle '5' is next to the "Participants" icon in the top right corner. A blue circle '4' is also next to the "Chat" icon in the top right corner.

At the bottom of the interface, there are buttons for "Raise Hand" and "Audio", and a status bar indicating "Connected".

WebEx at PharmSci

- Integrated with our VideoConference System
- Uses:
 - Connecting external members into meetings
 - Remote preceptors
 - Graduate program instructors
 - IPE events

WebEx at PharmSci

- Experience:
 - Similar to Blue Jeans in functionality and quality
 - Dependent on end-user tech
 - Not recommended for high-stakes events
 - Not recommended for student use
 - FIPPA issues

Next Steps

- New Study for our Lecture Capture Program
- Increase use of WebEx in our Academic Portfolio

Thank You!

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