

Studying learning journeys with lecture capture through Staff-Student partnerships

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Outline

- Explore the topic of student partnerships
- Discuss initiatives at Cardiff University, which were designed to explore student use of lecture recordings
- Disseminate findings which supporting existing lecture capture literature and advances perspectives
- Offer practical advice about how partnerships can support the implementation of learning technologies, such as lecture capture



Student partnerships



Student partners

- Student engagement has become a core aim in HE and linked to ideas surrounding students' roles as 'partners' in education
- Current research suggests that engagement through partnership can lead to significant improvements in student learning and success (Healey, Flint, and Harrington 2014)
- Opportunities to work in partnership with staff to shape their education (ie. co-creators of curricula, partners in the implementation/evaluation phases)
- Working together to a common agreed purpose, to achieve enhancements for all concerned
 - Values include: authenticity, inclusivity, trust, empowerment, reciprocity, collective responsibility, challenge

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Guide

Developing successful student-staff partnerships

Supporting you to work with students to develop your institution's digital environment and create engaging learning experiences

About this guide
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Print-ready version

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Developing successful student-staff partnerships The change agents' network Benefits of student-staff partnerships Ouick start

https://www.jisc.ac.uk/guides/developing-successful-studentstaff-partnerships





Starting the journey at Cardiff



Cardiff University Student Education Innovation Projects (CUSEIP)

- Funded by the Centre for Education Support & Innovation
 - Student stipend of £262.50 per week for up to 8 weeks, based on a 30 hour week
- Enable students to:
 - "work directly with academic and professional services staff on learning and teaching enhancement projects that will help to shape student experience."



Learn Plus CUSEIP #1

Project

- Centrally support placement
- 1st year Chemistry undergraduate student
- 8 week placement

Aims

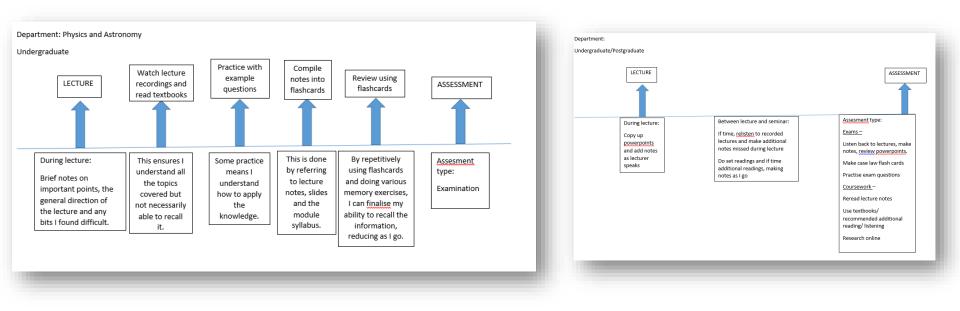
- Research how Cardiff University students utilise lecture recordings
- Develop a framework to support students' effective use of lecture recordings

Methodology

- Exploratory investigation and qualitative research
 - Literature Review
 - Questionnaire (N=230)
 - Interviews (N=12)
 - "Fill the Timeline" (N=30)
 - Ethnographic analysis of student recordings

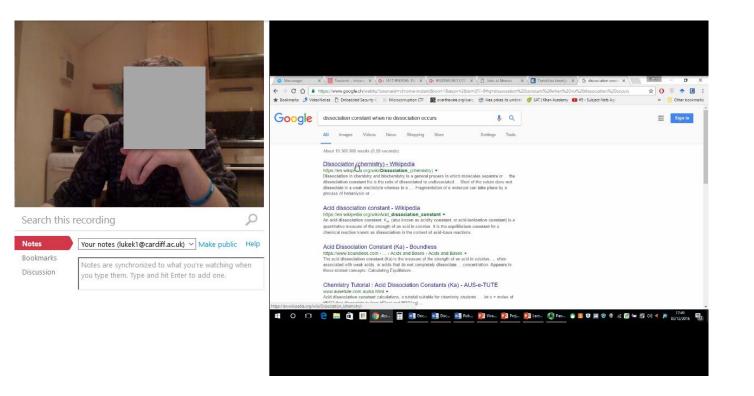


"Fill in the timeline"





Ethnographic research





Learn Plus CUSEIP #2

Project

- School supported placement
- 1st year Social Science student
- 8 week placement

Aims

- Explore student usage and attitudes to lecture recording within a specific School
- Explore the impact of recordings on the student experience, additional learning needs and attendance

Methodology

- Quantitative and qualitative research
 - Literature review
 - Policy review
 - Panopto viewing and access data
 - Student questionnaire (N=118)
 - Student interviews (N=10)



Collating findings



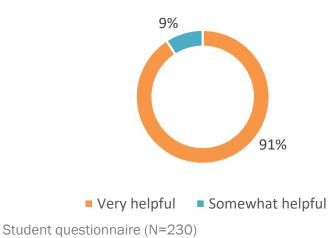
Collating findings

- Supporting existing literature (Karnad 2013, Nordmann & Mcgeorge 2018, Witthaus & Robinson 2015)
- Lecture capture is highly desired amongst learners and provides an enhanced learning experience for many students

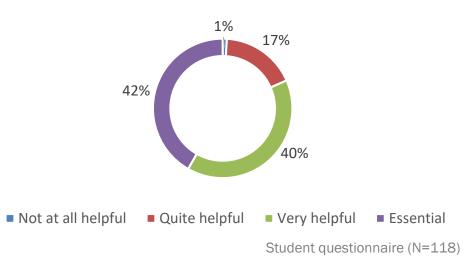


Collating findings

How helpful did you find lecture capture?



How Helpful Do You Find Lecture Capture As An Aid To Your Studies?





Student quotes

"

As a **vital learning tool**, incredibly important during revision. Allows harder content to be learned via rewatching parts of lectures multiple times.

Sometimes lecturers go through a **lot of content quite fast** and it can be easy to fall behind. Watching the lecture capture you have the option to slow it down, and pause it so I can make sure I understand one concept before moving onto the next.

If I missed out some things I could go back and watch them to **help complete my notes**. Also during **exam** season if I needed a **recap** and didn't understand my notes properly I could re-watch the lectures which I found helpful.



Inclusivity & student wellbeing

- Make the lecture format more inclusive for a broad range of learners (ie. English as a second language, dyslexia, carers)
- Reduced anxiety of having to keep pace with the lecturer
- Health can be improved; unwell students have a 'safety net'
- ALN students found it affecting them positively and allowed them to not feel at a disadvantage



Student quotes

"

I have **numbness in my fingers** on my right hand. I **cannot write very fast** or very legible and having a recording helps me.

I suffer from **anxiety and depression** and as such sometimes cannot maintain focus throughout 2hour lectures so benefit from being able to go back to look at the material in small chunks.

I have **epilepsy**, often my seizures are absent seizures and this affects me in everyday situations. If I have an absent seizure in a lecture, Lecture Plus gives me the opportunity to go back to the topic that I missed."

Due to my dyslexia, I have difficulties keeping up with the lecturer, Learn Plus gives me the opportunity to listen over the lectures and write out my notes at my own pace.



Advancing perspectives

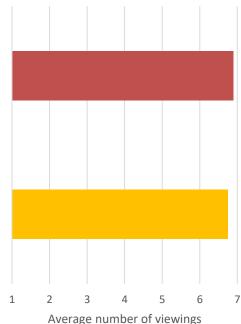


How differently do ISAN students engage with the system?

- Data showed modules where recordings are just available to ALN students and modules available to **all** students have very similar average viewings per student
- Suggestion that both groups engage the same amount

Average amount of viewings per student

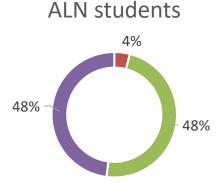
Modules where recordings are available to just ALN students Modules where recordings are available to all students



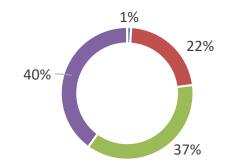


How differently do ALN students engage with the system?

 ALN students and students without ALN value the system a similar amount, though ALN students are more emphatic about how helpful it is (96% essential or very helpful as opposed to 77% non ALN students)



Students without ALN

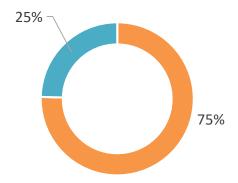


■ Not at all helpful ■ Quite helpful ■ Very helpful ■ Essential



Collaborative / Social Viewing

Do you watch lecture capture with a group/pair?





Collaborative / Social Viewing





Do students watch the recordings instead of attending lectures?

• Missing lectures was not related to lecture recording and would happen regardless of recording availability

"[Students who miss lectures] are likely to do this regardless because of their issues with the teaching style or lectures rather than access to lecture recordings" Undergraduate student interview response

• Recognised it was the minority that did this and the majority of students should not be disadvantaged by not having access

"Although some may [miss lectures] it is the minority and as adults we are responsible for ourselves so it is their problem. However, the majority should not be disadvantaged for this." Undergraduate student interview response

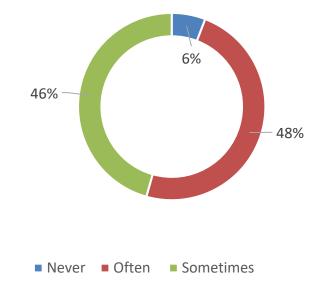
- Picture varies across year cohorts
 - Year 3 cohort declaring a slight preference to recordings over attending lectures, to help manage other commitments
 - Emerging recent research (Nordmann et al 2017)



Supporting independent learning

I watch small sections of the recordings to clarify or recap what was said in lectures

Average (mean and median) of minutes watched suggest clips rather than whole lectures are the predominant way students engage





Negotiating multi-spatial practices

- The lecture recording 'play/pause' button afforded switching between different artefacts and spaces
 - e.g. electronic documents, VLE, webpages, physical notebooks and handouts
- However...the pause button serves conflicting qualities
 - Not harmonious with study practices (i.e. social networking / checking mobile phone)





Implications for learning

- Issues with multitasking ?
- What can be done do to support such activities ?



Teaching and Teacher Education Volume 67, October 2017, Pages 135-142



The myths of the digital native and the multitasker

Paul A. Kirschner ^{a, b} A B, Pedro De Bruyckere ^c

Show more

https://doi.org/10.1016/j.tate.2017.06.001

Get rights and content

Highlights

- Information-savvy digital natives do not exist.
- Learners cannot multitask; they task switch which negatively impacts learning.
- Educational design assuming these myths hinders rather than helps learning.

Abstract

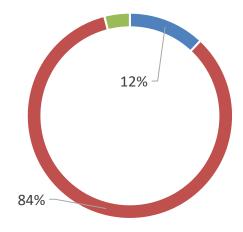
Current discussions about educational policy and practice are often embedded in a mind-set that considers students who were born in an age of omnipresent digital media to be fundamentally different from previous generations of students. These students have been



Additional functionality

- 100% of responses said the system was easy to use yet they don't know about all the features
- Most had not even heard of additional features (ie. search or notes)
- Only 12% had used additional functionality

ARE YOU AWARE OF THE ADDITIONAL FUNCTIONS (SEARCH, NOTES, DISCUSSION)





Exploring literacies

- Digital literacy changes over time
 - People learn/forget
 - Technologies develop, settings adapt (Gourlay & Oliver 2018)



Learners need to be advised and supported on how best to use digital tools and systems in their studies

http://repository.jisc.ac.uk/6684/1/Jiscstudenttrackerbriefing17.pdf







CUSEIP #1

Study skills

Study skills

Academic skills classes

Critical analysis

English language support

Information search and discovery

Listening and note-making skills

Manage, cite and reference information

Managing your online presence

Maths Support Service

Research related skills modules

Using recorded events for learning

Writing and presenting

Using recorded events for learning

Some of your learning events may be recorded for you to watch online. This is known as Event Capture or Lecture Capture.



You may wish to confirm with your academic whether or not your lecture is being recorded prior to the session.



Learning with Panopto

This is an interactive model designed to aid your learning at Cardiff University using various resources like Panopto (Lecture Capture), Learning Central and Student intranet.

Click here

Applications

Learn Plus

Simultaneously capture audio, video and desktop applications. Record, webcast, manage, search and analyse video content.

Find out more Help



CUSEIP #1

Tutorial

You can use your Event Capture in various ways in your study once it's uploaded by your teacher.



Based on the usage of captured content by Cardiff University students, we have designed an 'Event Capture Learning Model', which gives you a step-by-step guide on all the ways you could utilise the captured content.

https://xerte.cardiff.ac.uk/play_6284

TWNOPTO / LECTURE CAPTURE

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Using Lecture Capture to review and enhance your notes

1 find I can make much more detailed notes whilst using lecture captures, as sometimes lecturers go over things too quickly but with lecture captures I can easily go back and listen to it again

Psychology stude

During this phase, review the notes you took in lecture and use them to make detailed notes. Note making may help you to understand and organize your ideas. You may find these notes useful throughout the rest of your study.

Use the Lecture Capture to complete and enhance the notes you have taken during the lecture and annotate the important points in the Panopto for future reference.

You can re-watch specific sections of the recording at your preferred speed. To get to even more specific sections, you may use the search engine in Parapto. Relistening to the specific sections can help you improve your understanding. You may even mark the timestamps in your notes, so that you can revisit them during your revision period. Click here to watch a video tutional explaining all the above features of 2Panoto.

Students also use online sources, textbooks and recommended reading materials to enhance their understanding. Clarifying the online sources, summarising and linking them together may help you attain a general overview. For more on critical thinking and analysis visit the academics skills page.



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CUSEIP #2

The student experience of LearnPlus in the School of

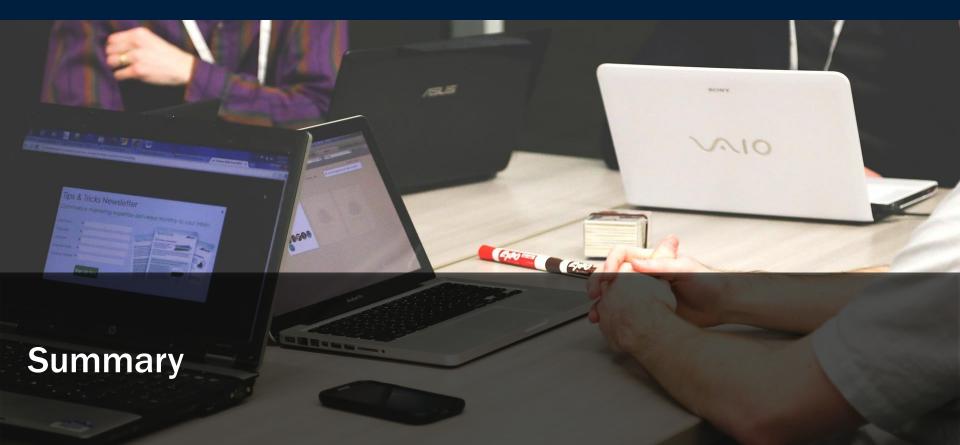
CUSEIP Project 2018 - Report and Findings

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Process of engagement

"

Partnership is essentially a process of engagement, not a product. It is a way of doing things, rather than an outcome in itself.

https://www.heacademy.ac.uk/engagement-through-partnership-students-partners-learning-and-teaching-higher-education



CUSEIP #2 Supervisor

"

Carrying out this project has reinforced the importance of 'student voice', something which has at times felt a slightly vague concept. I feel I now have a much clearer insight into how students use Learn Plus, and feel more strongly in favour of lecture capture as a result.



CUSEIP Students

"

To me this placement was important assess my own learning methods and my relationship with technology.

"7

"

It has not only allowed me to gain a deeper insight to how Learn Plus is valued by students but it has also given me ideas of how I could use the technology to benefit my studies in future years.







- Authentic staff-student partnerships can support change and innovation
 - Partnerships can act as a driver for change in implementing technology enhanced learning
- Can you bring students into the work you are doing?



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