

Emerging Technologies Session: Using Audio and Video in Teaching and Learning

- Abstract
 - This 1 hour session is a very brief introduction designed to help you think about the possibilities and impacts related to using audio and video for learning and teaching activities. We identify a range of types of activity which academic staff at Edge Hill and elsewhere have undertaken, and briefly look at how these have worked pedagogically and technologically. These activities include recording lectures, using broadcast TV, student created media, technology enhanced feedback, and more.
- Slides
 - <http://www.slideshare.net/LTDatEHU/using-audio-and-video-in-teaching-and-learning-december-2011>
- Short URL for this page
 - <http://goo.gl/nEpDo>
- Please contact Peter Beaumont [peter.beaumont@edgehill.ac.uk] for more information, to request to be informed when the session next runs, or to request that this session runs for your team.
- For general requests for advice and assistance related to using these tools you can contact Learning Technology Development [ltdsupport@edgehill.ac.uk].



In this session we look at the different ways academics have been using audio and video, seeing what is possible within the Edge Hill University context. We'll then look at an overview of the possible places that you can host audio and video content.

Possible uses of video and audio



Why might I want to run sessions online?

- To make the session available to students who cannot get into campus
- To bring a cohort of distance students together

How might I run a session online?

- To run a session within Blackboard with a group you can use Wimba. This allows voice presentation, sharing of slides, camera sharing from the presenter. The presenter can allow one user at a time to speak and use video. For example the MA Management of International Higher Education has been using this software regularly.
 - Talk to your faculty Senior SOLSTICE Fellows about using Wimba. You'll be asked to complete rationale for use. Note that the current licence runs to November 2012
 - Note that students will need at least headphones to hear the session, and a microphone if you are going to allow them to speak.
- Blackboard's Virtual Classroom tool is a very simple alternative collaboration tool with text chat and a whiteboard tool.



Why might I want to record sessions?

- To make them available to students who could not attend the lecture

- To allow students with specific needs (e.g. hard of hearing students) to listen to the lecture again in case they missed some of it
- So that you can use face-to-face sessions for other purposes than lectures
- So that you can connect with students at a distance

How might i record my sessions?

- Live streamed lectures - Currently eStream can do this, but only for very special occasions like graduations.
- Recorded live - Media Development [mediadevelopment@edgehill.ac.uk] can record special guest lecturers, or teach you to use the video cameras that can be borrowed from downstairs in the LINC.
 - If recording other people there are issues around permission.
- A version of the session - Record a version after the event. I do this using screencasting software, for example for my '[Make the Web come to you](#)' session.
- Additional content - Record supporting materials for your lectures. For example Gerry Lucas has been recording 2 minute pre-lecture previews to outline learning objectives and pre-reading, and 2 minute post-lecture reviews to review what they can do now, and how their learning might apply to the exam and professional competencies.



Why might I want to show students a broadcast TV programme or something from recorded media?

- I consider a documentary or other program will help tell them a story or explain a concept.

How can I get hold of recordings, or make material on recorded media available to my students?

- Ask Media development [mediadevelopment@edgehill.ac.uk] to record terrestrial TV or radio (i.e. channels not only available on satellite or cable) except for OU programmes, and they can provide recordings on DVD for use on campus.
 - You can get notifications from organisations and [TRILT](#) about when programs are broadcast.
- Video and audio cassettes that you have the copyright for they can digitise and make

available on DVD or a a file that you can share.

- You can embed videos from YouTube in your Blackboard sections using Build Content > YouTube Videos, or by copying the Embed code from the video's page on YouTube.



Why might I want to create my own educational content?

- Relevant resources do not already exist.
- Your students struggle with an aspect of using a piece of software
- Your students struggle to do something on Blackboard, or find something on a website
- Your online course involves learning to use a piece of software

How can I create my own educational content?

- If you want to record software, websites, or presentation slides on your computer, you can use screencasting software.
 - Learning Technology Development can advise, and we have a PC with good mic, camera and Camtasia Studio 7. Camtasia Studio is worth using if your videos might need editing now or in the future. [Jing](#) and [Screenr](#) are free alternative solutions if you are recording one or two short videos and Screenr doesn't require a download.
- If you want to create video with a camera you can borrow a camera. Media Development can provide training on using any cameras and equipment that can be booked downstairs in the LINC.
 - Media Development [mediadevelopment@edgehill.ac.uk] can help with recording by recording pieces to camera in a location around campus. For promotional materials the TV studio can be used, but this is heavily booked.
- If you have episodic content you might want to create a podcast. You can use the upcoming campus pack to set up a podcast, and people will be able to subscribe to it in a podcast aggregator like iTunes.

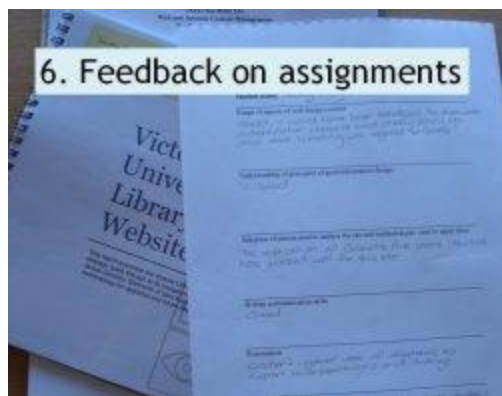


Why might I want my students to create their own video and audio content?

- Self/peer reflection in sport and performing arts, including the use of audio and video diaries
- Where assignments need to be submitted in audio and video formats
- As part of active learning experiences

How are my students able to create and host content?

- Students can borrow some equipment from downstairs in the LINC or they may have their own phones and cameras that could be used.
- Hosting the files is sometimes an issue as students do not have access to upload files to eStream, or eShare.



Why might I want to give students audio or video feedback?

- You feel that you can communicate the feedback better using audio or video.
- You want to visually display the assignment and highlight sections while you talk about it.
- You want the feedback to be in the form of a conversation with another tutor.

How might I give the students feedback in this way?

- Record audio with voice recorder and embed in the student's assignment.
- Attach an audio file to the assignment in the VLE.

- Speak to the student synchronously online, using Skype or Google Talk.
- Record as a screencast video where the student's work is on screen, and you talk through it.

What work has been done previously in this area?

- [Research List](#)

Hosting video and audio

While we are not focusing on the technical details in this session, one of the things that is common across all the examples is the fact that you need somewhere to host files that have been created. We'll briefly looking at the options that someone at EHU would have. When we look at individual uses of audio and video we can talk about the specific benefits and issues.

- **eShare**
 - eShare is a content repository available at <http://www.eshare.edgehill.ac.uk>
 - All staff can login with their EHU account and upload files in any of the main video and audio formats
 - Viewing can actually only be restricted to the University, otherwise it is completely public.
 - [Example](#)
- **eStream**
 - This is a video hosting service hosted by EHU at <http://estream.edgehill.ac.uk>
 - Access to upload files is restricted, and you should contact Media Development [mediadevelopment@edgehill.ac.uk] to ask for videos to be uploaded.
 - Access to view files is available only to people with EHU accounts.
 - Long videos (e.g. 30 minutes +) might be better to put on eStream as it would take students a while to download large video files, and eStream will allow them to stream the video instead.
 - [Example](#)
- **Blackboard**
 - There is limited server space on Blackboard so in the long term we'd like to discourage hosting video files there. However if you have embedded a video or audio file in a PowerPoint presentation, you would use this, and it is the only place that ensures that sensitive recordings can be completely restricted to individuals or module groups.
- **Campus Pack**
 - Campus Pack will be available for use next year within Blackboard. This has a podcasting tool, allowing you to upload your audio files as a real podcast that can be subscribed to in podcast aggregators like iTunes.
 - [Example](#)

- **External Video Hosting Sites**

- For example YouTube is constantly developed, easy to use, with lots of features including control of who can access the videos. From this perspective it is better for hosting video than what EHU can provide.
- However you do have to think about privacy issues when things are hosted off-campus, and students might need to set up accounts if you want to restrict access.
- [Example](#)

- **Other**

- Some tools we've mentioned have hosting solutions within them (e.g. Wimba Classroom)

So we can see that we have a range of solutions, but none of these would be right for everything.

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