Online Teaching and Learning

Screencasts for Lecture Streaming and Recording Lectures

Recording Lectures

The following software can be used to record lectures via screencasts:

- Open Broadcaster Software (Linux, Windows, Mac) (OBS Wiki, Quickstart guide, Overview Guide)
- SimpleScreenRecorder (Linux)
- CamStudio (Windows)
- Add audio to individual powerpoint slides: works on a per-slide basis, not for a full presentation

To provide your screencast via OLAT, you can upload the screencast file (e.g., mp4) to OLAT via a video element. Please note that other course elements may be restricted in terms of storage volume (i.e., the number of videos that can be uploaded is restricted by the total size of videos).

Streaming Lectures

OLAT provides virtual classrooms for streaming and recording lectures.

Open Broadcaster Software also allows to stream the screencast to UIBK's streaming server (just as recording in a lecture hall). You can find instructions on how to stream your screencast live via OLAT here: obs-to-stream.uibk.pdf (by Simon Haller-Seeber).

Meeting Online

The university provides BigBlueButton for online meetings, further information can be found here. rona|Extensive list of meeting tools]] (in German)

OLAT

We recommend using OLAT as a central point of communication with students. For increased communication with students, please make use of the course elements provided. These include e.g., forums, self-tests, and virtual classrooms (see above).

Creating OLAT Tests via R

Achim Zeileis (Department of Statistics, UIBK) has created the R-package r-exams that allows to create tests in R, which can be exported in a format that can be imported in OLAT and used for tests and and self-assessment tests. Here's a video tutorial on how to create a test and import it to OLAT.

Teaching Experiences

Introduction to Programming - Social e-reader (Joanna Chimiak-Opoka)

I incorporated a social e-reader for my programming course. The platform enables inclusion of text documents for reading and discussions via annotations and using upvoting of comments and questions. It uses AI to generate confusion report and automatic grading.

Background: Talks by Eric Mazur on pedagogy

- On flipped classroom: EDULEARN14 Keynote Speech by Eric Mazur: Memorization or understanding: are we teaching the right thing?
- On social learning prior to the class: EDULEARN18 Keynote Speech by Eric Mazur: Getting Every Student Ready for Every Class

Experience

The platform is extremely intuitive for teachers. Students' first impression was positive, too. Discussions work fine. The AI-feature, I could not test, as there were too few comments from students.

Students (around 40) feedback after using it for one chapter was following:

- 88% used it
- 75% found it useful
- 55% wanted to continue using it

Platform

Link to the platform: https://perusall.com/

Experiences and Thoughts on Distance Teaching and Learning (DiSC)

Experiences and thoughts of the DiSC team can be found here.

Questions or Suggestions?

We'd be happy to extend this Wiki page with your suggestions - just send an email to eva.zangerle@uibk.ac.at. In case of questions, please also contact eva.zangerle@uibk.ac.at