

# 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

[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

### Meeting with a Group of Students Online (Seminar, Tutorial)

For virtually meeting with students online, there are a number of tools that can be used:

- [Adobe Connect](#) (as suggested by UIBK); can be directly integrated into OLAT as part of the [virtual classroom](#) course element, but also used in a [stand-alone](#) manner; limited use under Linux ([further information on Linux](#)).
- [Google Hangouts Meet](#): browser-based video-conferencing for up to 100 participants if used with [Google's gsuite for education](#)
- [Google Hangout](#): browser-based video-conferencing for up to 25 people; a comparison between Hangout and Meet can be found [here](#)
- [Zoom](#) video meetings restricted to 40 minutes (please note that Zoom uses US servers and there are some resulting privacy concerns); requires installing Zoom software
- [Twitch](#) screencast and video conferencing (mostly used for gamers); unlimited number of participants.
- [Extensive list of meeting tools](#) (in German)

## Meeting with a Small Number of Students Online (e.g., Thesis Supervision)

- all of the above tools
- [whereby](#) requires no registration etc. for up to four participants, runs via browser. You create a free account, create your virtual meeting room and send the room url to students (also screen-sharing is possible). Here's a [quickstart guide](#).

## 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.:

- [Forum](#): asynchronous online discussions for different purposes (e.g., answering questions).
- [Self-test](#): students can assess their current knowledge, practice and repeat the test as many times as they want; results of self-tests will be saved anonymously.
- [Virtual classroom](#): voice- and video-based synchronous communication and content mediation.
- etc.

## 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 self-assessment tests. Here's a [video](#) tutorial on how to create a test and import it to OLAT.

## Further Resources

- [Hochschulen und Corona: Was Jetzt?](#) Collection of links and tools for online higher education (in German)
- Webinars (School of Information Sciences, University of Pittsburgh; requires [Zoom](#) videoconferencing software)
  - [Strategies for Moving Online](#), from March 16, 2020
  - [Moving Swiftly to Online Teaching: Valuable Tipps from Experienced Educators](#), from March 16, 2020
- [Tipps for transition to online classrooms given university shutdowns](#) on [academia.stackexchange.com](https://academia.stackexchange.com)
- [Twitter](#) (e.g., hashtags [#distancelearning](#), [#remoteteaching](#))
- [Informationen zu Heimarbeit für MitarbeiterInnen der Universität Innsbruck](#)

## 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](mailto:eva.zangerle@uibk.ac.at). In case of questions, please also contact [eva.zangerle@uibk.ac.at](mailto:eva.zangerle@uibk.ac.at)

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