

Remote Teaching Options

University of Chicago
Department of Computer Science

Software Options

Software Options (university-provided):

1. Zoom

- We're using it right now
- Two-way real-time conferencing: can see remote participants (if they enable cameras)
- Lots of features (use what you want; ignore others)
 - can share screen (both from computer and iPad)
 - can record
- Useful for problem sessions, labs, and collaborative classes
- Supports Windows, Mac, Linux, mobile platforms

Caveats:

- Provisioning is not automatic. Test your account now! -- <https://uchicago.zoom.us/>
- Recordings are not as high-resolution as some other options

Software Options (university-provided):

2. Panopto

- Think of it like YouTube: It's a video hosting/sharing service
- Can also stream "live" video streams, but there is a delay
- One-way video only: feedback from students is only through text chat, polls, and ratings
- Limited browser-based video editing interface (mainly just for trimming)
- Text and speech recognition allows indexing/searching of videos
- Built-in screen/camera capture provided (Windows/Mac)
- Everyone has access!

Caveats:

- Live streaming feature isn't really live
- Limited interactivity with remote participants (recommend pairing this with other tools to get feedback from students)

Software Options (department-provided):

3. Camtasia

- Fancier tool for screen capture, annotation, and video editing
- When videos are completed, upload them to Panopto
- Probably most suited to advanced users
- Purchasing a few licenses for department, depending on interest (initial plan of license for 24 users)

Software Options (non-AV):

4. Canvas

5. Slack

6. Piazza

Hardware Options

Hardware Options:

1. Slides & Code

- Your laptop computer (or office computer)
- Use a headset to improve audio quality (we're ordering many USB headsets)
- Wired connection recommended!
- Should work from home, but watch for others using bandwidth!
- We will provide wired connections in Crerar for you and your TA's to use

Hardware Options:

2. Replacement for markerboards

- Don't just point a camera at a markerboard (very difficult for students to see)
- We're purchasing iPad Pro's and Apple Pencils for this use.
- Can write (in many colors), erase on iPad screen, and scroll up and down (similar to an overhead projector)
- Can use iPadOS's built in screen recording (for upload to Panopto) or live screen capture to Zoom (use in conjunction with a laptop hosting Zoom meeting)
- We're ordering iPads, adapters for wired network connection

Hardware Options:

3. Unique needs?

Contact us! We'll do our best to help find something that works for you!

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What is the department & techstaff doing?

- Zoom accounts provisioned for all faculty (TA's?)
- Ordered 50 iPads w/ Apple Pencils, dongles for wired connection (in touch with apple to expedite order)
- Ordering headsets for teaching
- Ordering laptops for those without equipment at home
- Network ports in conference rooms (switches on tables)
- Remote desktop / VDI (labs)
- Remote support / helpdesk (Slack, Discord, e-mail)
- Software to provide remote assistance
- Candidate talks available as streaming video
- Planning demos / Q&A / Training on Zoom, Panopto, using iPad for lecturing

Conclusion

- We're here to help you through this!
- We'll be posting instructions & tips on <https://howto.cs.uchicago.edu/>
- We're not necessarily experts at every feature (yet), but will do our best to research answers for you.
- We are not admins of the campus Zoom/Panopto. These systems are run by ITS. -- *You'll likely need to give us access so we can see what you're seeing.*

Please test logging in @ <https://uchicago.zoom.us/> after this meeting.

Questions?

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