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!

av@cs.uchicago.edu
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? av@cs.uchicago.edu