Recording/ Streaming Software

	Tutorials on Website	Editing Capabilities	Automatic Captioning	Live Recording	Simplicity	Main Purpose	Notes
Microsoft Teams + Microsoft Streams	X	Minimal	X	X	Simple	Screen Recording & Live-Stream	If planning on having live content, best option
Camtasia		Complex	X		Complex	Screen Recording & Complex Editing	Only necessary if you want complex editing
Macvideo + Kaltura Capture	X	Minimal	X		Simple	Screen Recording	Good option for fully pre-recorded content

Streaming Platforms

YouTube
+ Easy to Access
+ Widely Used
+ Closed Caption Editing
− Copyright Issues
− Security Issues
- Privacy Issues
- International Students can't Access

MacVideo
+ Easy to Access
+ Closed Caption Editing
+ Information Protected
+ Can Edit Viewing Permissions
+ Tutorials Available
+ User Friendly
+ Easy to link with Avenue
+ Students can download or stream

Streams
+ Easy to Access
+ Closed Caption Editing
+ Can Edit Viewing Permissions
+ More protection than YouTube
+ Integrated with Teams
+ Tutorials Available
− Not as user friendly as MacVideo
− No Downloads

Avenue
+ Most accessible
+ Can Edit Viewing Permissions
+ Most protection
+ Tutorials Available
− Only applicable if directly uploading video files
- Isn't a platform to directly screen record from
− Student survey showed negative experiences with Avenue videos

Bandwidth Limitations

Considerations must be made for students and instructors with an unreliable internet connection.

Don't hesitate to reach out to instructors/TAs if your learning is affected.

Websites with Tips for Low Bandwidth

https://www.uwb.edu/it/student-continuity/low-broadband-issues

https://docs.microsoft.com/en-us/microsoftteams/edu-remote-low-bandwidth

https://support.office.com/en-us/article/use-teams-for-schoolwork-when-bandwidth-is-low-5c5675f7-1b55-471a-9daa-ec1e6df38262?ui=en-US&rs=en-US&ad=US

	Students	Instructors
High Bandwidth	•Able to attend live lectures •Can download and stream videos •Can accept any file format that can be opened with office 365 or PDF •Still relatively slow to download a large video •Streaming video is still the best with the option to download for offline viewing	•Able to deliver a lecture live •Able to create interactive content on multiple platforms at once •Quick uploads
Low Bandwidth	•Cannot download video content •Streaming video is the best solution •Live conferencing may not be possible •Require Lecture Recording •Cannot access all resources •PDFs are best for distribution •Shorter videos are easier to load •Students will need to reduce the resolution so if detailed figures are shown, include a corresponding document including these •Try to create some sort of documentation for every video posted	•Limit the number of applications using the internet to ensure best performance (ex. If in meeting on teams, close any browser or office365 applications) •May not be able to deliver lecture live for large audience •Sharing may be glitchy

Lecture Delivery Modes

	Learning Curve	Require Access to Campus	Special Hardware Required	Screen Recording Software Needed	Most Similar to In Person Learning	Most Simple	Notes
Videotaping of a Live Lecture	X	X	X		X		Will need to familiarize yourself with writing legibly on a lightboard
PPT Slides with Voiceover				X		X	
Scanned Notes with Voiceover				X		X	
Using Tablet and Stylus for Dynamic Content	X		X	X	X		Will need to familiarize yourself with writing legibly on a tablet

Lecture Delivery Modes

	Hardware/Software				
Videotaping of a Live Lecture	🎤	🖥️	📽️	🎥	✓
PPT Slides with Voiceover	🎤	🖥️	📽️	◉	
Scanned Notes with Voiceover	🎤	🖥️	📽️	◉	📱
Using Tablet and Stylus for Dynamic Content	🎤	📱	📽️	◉	

VIDEO CAMERA   TRIPOD   MICROPHONE   COMPUTER   AVENUE   SCREEN CAPTURE SOFTWARE   NOTE SOFTWARE   TABLET AND STYLUS