- 00:00

  ITMS has added lecture streaming systems within select

- 00:03

  E-classrooms across the University of Waterloo Campus

- 00:06

  and users can use free software to easily record lectures as

- 00:09

  they are being streamed.

- 00:12

  The lecture streaming systems connect to your Windows or Mac

- 00:16

  computer the same way that any USB webcam does, and they

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  allow you to stream across any of the commonly used web

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  streaming services such as Microsoft Teams, Bongo, Webex,

- 00:27

  Skype, or Zoom.

- 00:29

  To record your lectures, first download and install

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  Open Broadcaster Software or

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  OBS at OBSproject.com/download or just simply Google

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  search OBS download.

- 00:43

  Both a Mac and a Windows version is available and they work

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  pretty much the same. I'll be showing this on a Windows

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  computer when OBS is first launched, you're shown the

- 00:53

  auto configuration wizard. Select optimize for recording, I

- 00:56

  will not be streaming.

- 00:58

  Within the video settings, select the FPS or frames per

- 01:01

  second to 30. This will reduce the file size of your recordings.

- 01:06

  At these default settings, the video files will be

- 01:09

  approximately 1.2 gigabytes per hour. If you have limited hard

- 01:12

  drive space, you will need to go into settings and output to

- 01:16

  adjust the recording quality.

- 01:19

  It's advisable to configure OBS prior to being in your

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  classroom. The first thing is to add a capture device into the

- 01:27

  source list. Down here in the source list, press the plus icon

- 01:31

  and a list of all the different types of sources. This is shown.

- 01:35

  Add a video capture device.

- 01:37

  This window allows you to pick any previously selected capture

- 01:40

  devices. For the first time, we'll select create new.

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  You can name the device what you want, but I'm going to

- 01:48

  leave it as video capture device.

- 01:51

  The properties window for your capture device is then shown.

- 01:54

  This is where we configure it to work with the in-class lecture

- 01:57

  streaming systems. If you aren't yet in the room, then you can

- 02:01

  configure this to any webcam and like I mentioned earlier, the in

- 02:04

  class lecture systems connect to your computer the same way any

- 02:07

  webcam does. You'll just need to switch this to the in class

- 02:10

  lecture streaming system, once you're in the room.

- 02:13

  And when you're in the room, they are represented as the room

- 02:18

  number USB. So, for example, in AHS-1689 we would see AHS-1689 USB.

- 02:25

  And then you click OK.

- 02:27

  Within the OBS preview window will see it up in the top left

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  corner. Click the bottom right square and drag it across, so

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  that it fills the screen.

- 02:38

  That takes care of the video

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  source. Next, we need to configure in OBS is the

- 02:43

  microphone source. Within the audio mixer, we click the gear

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  next to Mic Box, and then properties, and within this

- 02:51

  device dropdown, we select the

- 02:53

  webcam source. This will be shown as echo cancelling

- 02:57

  speakerphone AHS-1689 when you're in the room. Then we click OK.

- 03:02

  And now you're ready to record your lectures within OBS. To

- 03:06

  begin recording, you Click Start recording and to stop you

- 03:09

  click stop recording. Click the pause button if you're taking

- 03:12

  a break and this will allow for an uninterrupted video

- 03:15

  file.

- 03:17

  OBS will continue to record while minimized, so you can show

- 03:21

  other applications, like a browser or PowerPoint.

- 03:24

  Video files are automatically saved in your videos folder, but

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  this can be changed within the

- 03:29

  preferences. OBS allows for a lot of customization. You can

- 03:33

  overlay logos or text, so that your videos are identifiable.

- 03:39

  For any further training on these systems, please contact

- 03:42

  ITMS at eclass@uwaterloo.ca.