

Video recording options and what to keep in mind

Recording Formats:

Mobile Devices

Although many smartphones & tablets have the capability to record high quality or High Definition video, uploading or transferring the video can be problematic, especially with videos of longer lengths (5 minutes and up). These video recordings can create very large file sizes that are too big to send via e-mail or upload to Blackboard, YouTube, etc. due to bandwidth restrictions on these services.

Another drawback to videos recorded on a mobile device is the limited editing capabilities. It may not be possible to trim or add to the video. It may also not be possible to compress (make the file size smaller) to meet upload requirements of the services mentioned above.

For example, a 20 minute High Definition video recorded on an iPhone may be over 2 gigabytes (2,048 megabytes), which far exceeds the limits for Blackboard. YouTube has a 2 GB limit, so if you are just over that by even a little, the upload will fail. The basic YouTube account also has a 15 minute limit, so being over that time allotment will also cause an issue (if you add a verified mobile phone number to your YouTube account, the time restriction is removed, but the 2GB limit is still enforced).

****Please note that ISS does not provide technical support for mobile devices.***

Camcorders/Cameras

File size is also a concern when using a digital camcorder or camera. Additionally, the video must be transferred to a computer for uploading to the internet. In most cases, the file must first be converted and/or compressed to be in a compatible format and fit the file size requirements. There are many different video formats used by various digital camcorder manufacturers that may require specialized software to play or convert to another standard format. Analog or tape-based camcorders should not be used as they are more difficult to transfer to computer without additional equipment.

Most common & supported video formats

- MP4
- Mov (QuickTime)
- WMV (Windows Media Video)

Uploading Files to Blackboard:

Any single file must be less than 300 megabytes (MB) in order to upload to Blackboard.

The length of time to upload from off campus will depend on your internet provider and bandwidth. Connections with lower bandwidth may experience extremely slow uploads or receive a message indicating that the upload cannot be completed or has timed out.

Videos exceeding the 300 MB limit must be compressed using either a video compression or editing software such as Mpegstreamclip, Windows Movie Maker, iMovie, etc. You can find out more about these options from the links below:

<http://www.squared5.com/> (mpegstreamclip, mac & pc)

<http://windows.microsoft.com/en-us/windows-live/movie-maker> (movie maker, pc only)

<https://www.apple.com/mac/imovie/> (imovie, mac only)

Using YouTube

YouTube requires setting up a free account through Google. By providing Google with a verified mobile phone number (they will send a confirmation call or text to verify), you can bypass the 15 minute time limit per video. However, the maximum file size for a video to upload cannot exceed 2 Gigabytes.

You can set up a Google account by accessing this link: <https://accounts.google.com/SignUp>

Videos can be uploaded through any web browser by logging into your account on YouTube. Please refer to pages 3-4 of this document for instructions on uploading a video using this method.

Both iMovie on Mac and Movie Maker on Windows can upload your video directly to your YouTube account. These programs come standard on these computers (Windows 8 users must download Movie Maker from Microsoft's [website](#)). Please refer to the Help menu of these programs for more information.

Smartphone and tablet users must download the appropriate app for their device if available. More information regarding acquiring the YouTube app can be found at this link:

<https://support.google.com/youtube/answer/57407>

YouTube Capture apps for iPhone, iPad, and Android devices are very limited in their capabilities to edit, split or combine videos. It is recommended that you record in smaller segments and upload to YouTube, rather than run the risk that the file is too big or too long to upload since modifying the videos after they are recorded is very difficult.

When uploading a video, you have the option of making the video Public, Unlisted, or Private.

Public- anyone is able to view this video.

Unlisted- the video cannot be found as part of a search. Only people with the exact url for the video are able to access it.

Private- The video is not open for viewing except by you. You are able to include the e-mail of people that you want to give access to the video.

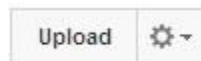
It is strongly recommended that all videos be listed as Private and only add the instructor's Mount e-mail to share the video with only them.

Please refer to the following link for more detailed information regarding these settings:

<https://support.google.com/youtube/answer/157177?hl=en>

Uploading a video to YouTube through a browser on a computer

- Sign into your YouTube account.
- Click the Upload button in the upper right of the window



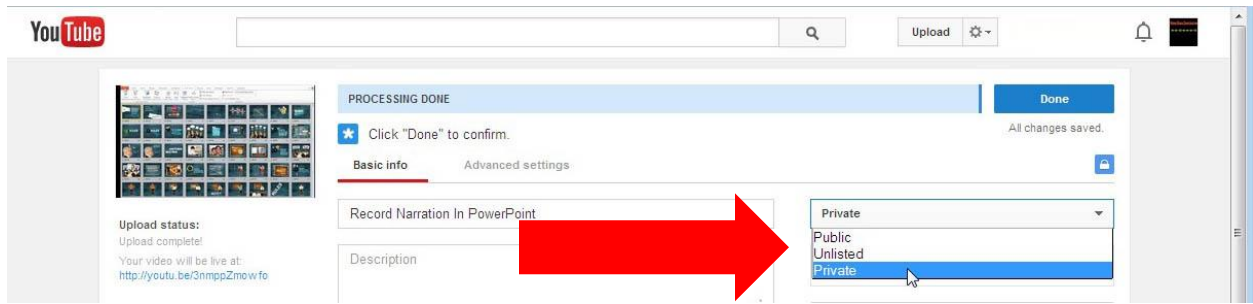
- Click the red and white arrow to select the file from your computer



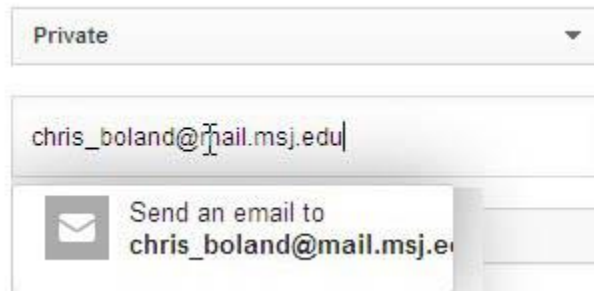
Select files to upload
Or drag and drop video files



- Change the **Public** setting to **Private**



- Add your instructor's e-mail address. Click **Send an email to...**



- In the upper right corner, click **Share**.



Your instructor will receive an e-mail with a link to view the video. The video will be unavailable to anyone else.