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Using Video for Effective Online Learning

September 16, 2016

Overview

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1- Identify various ways videos can be utilized in online courses

2- Select tools to create videos that will assist students in attaining learning objectives

3- Describe the best strategies for creating instructional videos

4- Discuss ways to host videos

5- Recognize accessibility issues when creating videos

Multimedia Designers

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Michael Douglas

Robert Nix

Preview of our Multimedia Design Website

Multimedia Services

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GRAPHIC DESIGN

Multimedia designers provide professional 2D and 3D graphic design services for teaching and other scholarly or academic use. They can create posters, banners and icons, animations, and 3D models to enhance your online or blended courses and create an engaging learning environment for your students.

2D Graphics (Posters, Banners, Icons, etc.)
Two weeks from initial Consultation to completion

3D Graphics (Animation, Models, etc.)
Three weeks from initial consultation to completion.

Multimedia Services

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AUDIO/VIDEO RECORDING & EDITING

UT Online's multimedia design team, in partnership with the Center for Creative Instruction (CCI), uses a professional green screen facility and sound booth for high-end audio/video production. They can also meet you with you in your office, in a classroom or lab, or other dynamic locations to film and produce quality videos.

Whether you record a video lecture or create your own footage, UT Online's multimedia designers can enhance your video by adding transitions, music, and special effects, by trimming and re-sequencing clips, and by adding graphics, photos, and animations that help to illustrate complex subjects.

Video and/or Audio Recording, Music, Foley Sounds, Voice Over, Green Screen Design

Between two to three weeks from initial consultation to completion

Multimedia Services

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AUDIO/VIDEO CONVERSTION & DIGITIZATION

Multimedia designers can convert your VHS videos to DVDs or other digital formats and publish them to UT Online's secure streaming media server. Multimedia designers can also convert audio and video content to appropriate formats for use on the web, and for easy access for the learners.

Digitize DVD or VHS

Two weeks from filling out the form and dropping off the media to completion

Today's Focus: Videos

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How many have used videos in the classroom?

Today's Focus: Videos

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How many have used videos in the classroom?

How many have made own videos for a class?

Today's Focus: Videos

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How many have used videos in the classroom?

How many have made own videos for a class?

Have videos helped you learn?

Class type that benefit

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- Flipped
- Online
- Blended
- Regular Courses

Styles of Video

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- Record Lecture
- Pre-recorded lecture (flipped)
- Screen recording
- Green screen recording
- Videos already made
- Make a whole different world!

Consider the audience

Benefits of Video for Faculty

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- Provide another perspective
- Create a memorable learning experience
- Faculty presence
- Reduces repetition
- Highlight areas of dense information
- Streamline what is in the lecture QM 4.4
- Link material to assessment and objectives 4.1 + 6.1 QM

Benefits of Video for Students

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- Students can watch and re-watch on their own time
- Helps visual learners
- Becomes a memory that you can go back to- course material
- Used to increase focus

Want to Make Videos?

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- Echo360 (website to download) which can record your desktop, voice, webcam.
- QuickTime - screen recorder
- Camtasia or limited use Jing - screen recorder
- Screencast-o-matic - screen steps
- Use your video camera or phone to record
- Blackboard Collaborate

Make Videos?

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OTHER ONLINE RESOURCES COST MONEY

- https://www.commoncraft.com/ plans start at 49 a year cutouts and simple way of using paper to explain complex ideas.
- https://goanimate.com/
- https://www.animatron.com/pricing

FREE ONLINE VIDEO RESOURCES

- Teachertube.com
- Khan academy
- YouTube

Make Videos?

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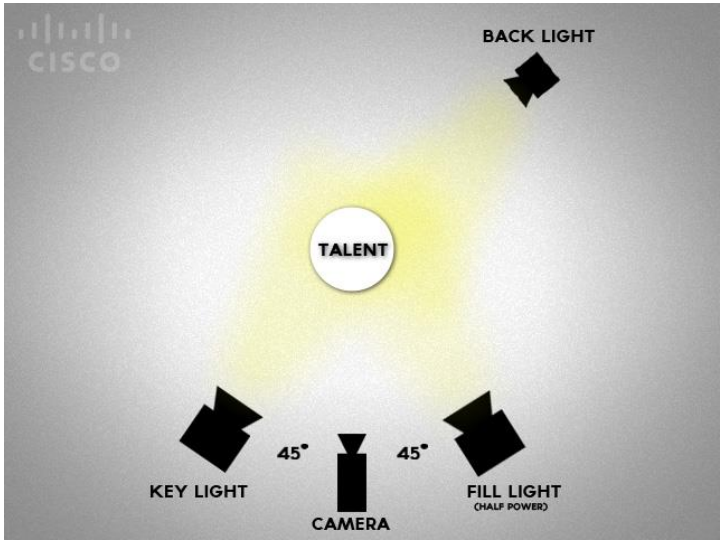
Tips on making a video lecture

- Get a script/talking points/notes that you are talking about
- Do at least 1 dry run
- Do a test video to check the audio and video quality…lighting



Focal Length

Editing Software

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	Cost	PC	Mac
High End Software			
• Final Cut Pro	Yes	-	X
• Adobe Premiere Pro	Yes	X	X
• Lightworks (pro vs free)	Y/N	X	X
Mid Level Software			
• Camtasia	Yes	X	X
Easy to Navigate			
• imovie	Y/N	-	X
• Windows Movie Maker	Free	X	-
• Cell Phone	Y/N	-	-

Lynda - free if you have a Toledo Library card, go to institution login and has tutorials for Captivate, Final Cut Pro, Premiere Pro, and more.

Technical Specifications

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Codec: H.264 (lossless vs lossy)

A **video codec** is an electronic circuit or software that compresses or decompresses digital video. It converts raw (uncompressed) digital video to a compressed format or vice-versa. In the context of video compression, "codec" is a concatenation of "encoder" and "decoder"—a device that only compresses is typically called an *encoder*, and one that only decompresses is a *decoder*.

https://en.wikipedia.org/wiki/Video_codec

File Format: MP4 (.avi, .mov, .wmv, .ogg, realtime, .mkv)

A **video file format** is a type of file format for storing digital video data on a computer system. Video is almost always stored in compressed form to reduce the file size.

https://en.wikipedia.org/wiki/Video_file_format

Hosting Videos

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Recommend not placing in Blackboard Course because 2GB limit.

Wowza Media Server

- Secure
- Video Size static
- Hosted by UT
- Cannot readily be downloaded
- If copyrighted material this is where video/audio should be stored

Wowza Video

YouTube

- Public
- Re-sizable
- Self Hosting
- Can be downloaded

YouTube Video in Site

Watch For

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- If you are using something that requires logging in then you must provide a link to their privacy statement and accessibility statement. QM 8.2
- Accessibility QM 8.3 + 8.5

QM that course!

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QUALITY MATTERS PROGRAM
QM

Design Standards for Online and Blended Courses

Instructional Materials

- 4.1 The instructional materials contribute to the achievement of the stated course and module/unit learning objectives or competencies
- 4.4 The instructional materials are current
- 4.6 The distinction between required and optional materials is clearly explained

QM that course!

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Course Technologies

- 6.1 The tools used in the course support the learning objectives and competencies.
- 6.2 Course tools promote learner engagement and active learning.
- 6.3 Technologies required in the course are readily obtainable.
- 6.4 The course technologies are current.
- 6.5 Links are provided to privacy policies for all external tools required in the course.

QUALITY MATTERS PROGRAM
QM

Accessibility and Usability

- 8.2 Information is provided about the accessibility of all technologies required in the course.
- 8.3 The course provides alternative means of access to course materials in formats that meet the needs of diverse learners.
- 8.5 Course multimedia facilitate ease of use.

Captioning Services

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Any audio or video resources used in our courses must have equivalent text alternatives. For instance, if we use podcasts in our course, synchronous captions or a text transcript should be provided. Videos in the course must have synchronized opened or closed captions. Faculty members are not responsible for creating captions. However, faculty are responsible for ensuring alternative access to multimedia is present in the course. The Office of Student Disability Services assists instructors with captioning video materials for online courses. Refer to the information below on how to contact and receive assistance from the Office of Student Disability Services.

Office of Student Disability Services Captioning
Rocket Hall 1820
P: 419.530.4981
VP: 419.530.2612
Email: captioning@utoledo.edu

Please note the instructions and disclaimers for the captioning requests. The Office of Student Disability Services asks that the request is submitted at least three (3) weeks in advance before the intended date of use.

From Jonee Lee's ADA course

Captioning Services Cont'd

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Self-Captioning Tools

For those who would like to caption their own videos, there are a number of captioning tools available. The simplest self-captioning tool is available through YouTube (guide is © NCDAE; link opens in a new tab). YouTube can automatically set timings for captions, and fixing automatic captions is easy through a simple editor provided by the site.

More captioning tools can be found at More captioning tools can be found at Caption It Yourself and sites like Amara.org have catalogs for captioned videos as well as a caption-it-yourself tool (links open in a new tab).

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Thank you for your time!

Please contact me if you have any questions.

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