Offices of I.T and Digital Learning
Faculty Workshop Series : Spring 2014

Video-based Instructional materials for Active Learning
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Faculty Development: Teaching and Learning in the digital environment

Goals

1. enhancing teaching through the application of digital pedagogies for synchronous and asynchronous environments;

2. identifying, evaluating, and implementing suitable digital tools to strengthen student learning via multimodal access; and

3. exploring opportunities for the development and delivery of global digital curricula in niche areas
Faculty Support: Range of Services

- **Self-Paced Learning**
- **Training Cycle of Continuum**
- **Synchronous & Asynchronous**

### Workshops through the year
- F2F & Remote Access workshops through the semester
- Online S.I.Gs

### Guided Learning
- Work with I.T on tech tools
- One-on-one / small group / independent learning

### Summer Intensives
- Blended learning
- Flip the classroom project
Workshop Objectives

**Key topics**
- your teaching objectives
- types of video making tools
- hands-on practice activity
- samples from SHU faculty colleagues
- research resources on best practices
Workshop Objectives

the scope of this workshop

• Explore a variety of video-making digital tools – e.g., Movie Maker, iMovie, Echo 360 etc..
• Practice activity and create a video-based teaching object
• Which digital tool to meet your teaching needs?
Teaching Objectives

The use of video-based instructional materials will help achieve:

- Explain concepts
- Critical analysis
- Give feedback
- Access during snow day

Type of Video-based Instructional materials:

- Talking head
- Powerpoint with voice over
- Lecture capture
- Screen capture

Promote interactive learning?

- Peer discussion
- Response to reading
- Tutoring with participation
Digital tools for building videos

Personal Capture and Webex—supported by SHU’s I.T dept
Screen recording tools – free resources
  Windows: CamStudio, Jing, Blueberry Flashback, Screencast-o-Matic
  Mac: Jing, Screencast-o-Matic
Camtasia and Screenflow—not supported by SHU
Digital tools for building videos

Movie making tool – PC or Mac
Video recording tool - smart phone or personal camera
Screen capturing tool – Echo 360
Digital tool – Movie making

Movie Maker – for PCs
OR
iMovie – for Macs

Sample Video:
Adrianna’s College Experience

Hands-on Demo

Questions – editing, large files etc
Digital tool – Video Recording

Smartphone
OR
Personal camera

Sample Video:
Clip using a Smartphone

Questions – editing, large files
Digital tool – Screen capture

Sample Video:
Prof McCloud’s video

SHU Policies for use of
Echo 360
Digital tool – Powerpoint with voiceover

Prof. Barbour’s Powerpoint Presentation
Demo using Movie Maker

Hands-on activity
Examples of video units from SHU faculty in different disciplines

- Hema Gopalakrishnan (Math) – Jing
- Bob McCloud (Computer Science) – Echo360 Personal Capture
- Brian Stiltner (Religious Studies) – Personal Video Recorder
  https://www.youtube.com/watch?v=wVgdmqZMfSc
Best practices

Clarity in teaching objective
Focus on function of the video instructional material
Match with suitable digital tool
Best Practices – Video materials

Useful Links:

UCF:
http://teach.ucf.edu/pedagogy/best-practices/

Producing Video Content – published paper
http://www.citejournal.org/vol10/iss2/currentpractice/article1.cfm

Berkeley – Using and creating video
https://ets.berkeley.edu/help/best-practices-using-and-creating-video

Texas Univ:
https://ctl.utexas.edu/technology/multimedia_tools/presentation_guidelines
Video content building - SHU resources for faculty

- Cameras with tripod
- Recording cameras and digital cameras
- Echo 360 – personal capture
- List of free resources
- Secure Youtube channel through SHU
Follow-up activity

- Post a video on our BB group
- Support from I.T & DL
- Pedagogy discussion – S.I.G on video materials
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