

Instructional Technological Tools to Create Online Courses

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Abstract:

Screencasting tools enables instructors to digitize their lectures and allows them the freedom to use the class time effectively to engage students in a collaborative learning environment. In addition, creation of course-content online in a multimedia format that can be accessed by students anywhere, anytime and on any device promotes learning outside the classroom as the learners have an option to study/review the material in a self-directed pace. Screen capture programs are proving to be very powerful instructional technology in this respect and to create content for online dissemination requires efficient use of these programs. One of the challenges faced by instructors is the lack of information about technological resources available to them. This presentation intend to help the instructors with the information about resources that are available and discuss the salient features of the programs as the needs of the instructor varies depending on the course-content.

Questions to Think About:

- What do YOU need for your instruction? How will you use screen-capture technology?
- Where to record--Classroom, Smartboard, or Desktop?
- What platform will your students be using? Are certain formats needed?
- How to deal with large files, campus file storage, and Learning Management System (LSM)
- Where will you be posting your recordings? YouTube? LMS? Mediaserver?
- How to deal with large files, campus file storage, and LMS
- What types of screen information will and will not show up during capture (depends on software)?
- What can be done to ensure a quality recording?

Useful Accessories: head microphone, drawing tablet

Script and Materials

Applications and Links

Camtasia, Blueberry FlashBack, and Adobe Captivate are compared on the next page.

Some Other Software for Video Screen Capture—some also have free versions:

Software Title	Windows	Mac	
CamStudio Video Streaming	X	X	shareware
Debut Video Capture Software & Prism Converter	X	X	\$57
LiteCam HD	X		\$35
ScreenCast O Matic	X	X	\$15/year
Mac Screen Recorder Studio		X	\$50
BSR Screen Recorder & BSR Movie Lab	X		\$50 +90
WebCam Companion 4	X		\$35

Comparison of Camtasia, Blueberry FlashBack, and Adobe Captivate

TechSmith		
Camtasia Studio Camtasia Studio for Mac some different features	\$179.00 \$75.00 educational price	<p>screencast presentation recording—can edit recording (i.e. delete frames)</p> <p>import and embed media—videos, photos, music—wide range of formats</p> <p><u>animation</u> & many visual effects, multiple tracks</p> <p>interactive effects, hyperlinks</p> <p><u>quizzing with SCORM-compliant reporting</u></p> <p>embed media: Video, Image, Audio, Zipped Library</p> <p>export in range of formats: SWF, FLV, MP4, WMV, MOV, AVI, M4V, MP3, GIF</p> <p><u>Screencast.com</u>, Google Drive posting sites</p> <p><u>captioning function</u></p> <p><u>green screen recording and import</u></p>
Snagit	\$29.95	screen capture and recording; view enhancement editing; saving, organizing, and sharing as video in variety of formats
Jing	free download	screen capture and recording; saving and sharing as video; <u>5 minutes max</u>
Blueberry Software		
BB FlashBack Pro 5 consists of 2 applications Recorder and Player	\$199.00	<p>screencast presentation recording—can edit recording (i.e. delete frames)</p> <p>import media—videos, photos, music</p> <p>visual effects</p> <p>interactive effects</p> <p>embed media: Video, Image, Audio</p> <p>export in range of formats: SWF, FLV, H264, MP4, MP3, WMV, MOV, AVI, <u>standalone EXE, PowerPoint</u></p>
BB FlashBack Std Ed consists of 2 applications Recorder and Player	\$89.00	<p>screencast presentation recording—can add things</p> <p>import media—videos, photos, music</p> <p>visual effects</p> <p>interactive effects</p> <p>embed some media</p> <p>export in range of formats: SWF, FLV, H264, MP4, WMV, AVI</p>
BBFlashBack Express	free download	screen capture and recording, saving and sharing-- no editing or adding
Adobe		
Adobe Captivate 7	\$299.00 educational price Key server version costs lower (1/10 th)	<p>HTML5-based e-learning software</p> <p>interactive course platform but includes screencast presentation recording</p> <p>can edit recording (i.e. delete frames)</p> <p>import and embed media—videos, photos, music—wide range of formats</p> <p><u>animation</u> and many visual effects</p> <p>many interactive effects and tools, hyperlinks, text-to-speech function</p> <p>student interactions with web, Twitter, note taking, etc. can be built in <u>range of quizzing functions—grading, tracking, reporting, SCORM & AICC compliant</u></p> <p>embed media: Video, Image, Audio, YouTube</p> <p>export in range of formats: SWF, MP4, PDF, WMV, MOV, AVI, M4V, MP3, GIF, stand-alone EXE</p> <p><u>Screencast.com</u>, Google Drive posting sites</p> <p>PowerPoint to Captivate conversion and back</p> <p><u>captioning function</u></p> <p><u>equation editor</u></p>