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Lecture Capture Technology   December 2011

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Lecture capture technology is used to digitally capture all or part of lectures, classes, presentations with the purpose of making the content available to students anywhere, anytime for their review. Lecture capture is a standard practice: Based on 2011 GIR survey results of the 73 schools that responded 70 schools are already using the technology; remaining 3 will be using within 24 months of survey date.

Advantages

- Anytime, anywhere learning
- Students can review material at their own pace
- Recording at the desktop of mini-lectures provides active learning opportunities
- Can be repurposed for use in other training activities
- Flexibility to reuse previous captures in the event of staff/class emergency
- Accommodates special needs learners

Disadvantages

- Requires new resources and policies
- Faculty concerned with student attendance
- Represents a change in culture – alters the role of the lecture in the curriculum

Technical Considerations

- System integration (e.g. local ID support, LMS)
- File formats/compression
- Storage of captured lectures and archival duration
- Hosting onsite or offsite?
- Automation of capture
- Post editing support

Cost Considerations

- Capture and storage systems
- System integration costs
- Staff time to edit videos
- Archival storage
- Support staff
- Closed captioning

Student Considerations

- Available file formats/media player compatibility for playback
- Ability to download
- Mobile device playback
- Ability to do high-speed playbacks
- Ability to skip parts of lectures
- Reliability

Products*

- Commercial products:
  - Echo 360, Mediasite, Tegrity, MediaPOINTE, Panopto
- Open source products:
  - Matterhorn
- Internally developed systems

The above products were specifically noted in the survey; other products are available

Other Issues

- Faculty "opt out" option
- Copyrighted material conflicts
- HIPAA content in lectures
- Restricting access/downloads
- Reporting on usage statistics
- Accessibility (closed captioning support, etc.)
- Reduced in-person interaction

Additional resources: Content Capture – 50 Resources and 7 Things You Should Know About Lecture Capture