Podcasts, Screencasts, and Blogs: Using New Technology in the Teaching of Chemistry

19th BCCE

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Mark E. Ott Ph.D.
Jackson Community College
ottmark@jccmi.edu
www.docott.com

Supplemental Lecture Content

Late 20th Century:

Course web page Audio recording of lectures Videotaping of lectures

Early 21st Century:



Course Blog
Podcasting
Vodcasting (screencasting

Podcasting (no ipod needed)

Audio recordings of lectures available online

- + Easy front end production
- + Exact wording from instructor captured
- + Easy retrieval by all students (automatic)
- Whole lectures give large file sizes
- Audio file contains pauses, breaks, discussions
- When reviewing, difficult for students to find 'right' spot in lecture
- 'Visual learners' have no reference

Screencasting (vodcasting)

Video recording of visual material (whole lecture experience or PowerPoint) with audio track

- + Visual reference for students reviewing
- + Available after lecture, night before exam
- + When reviewing, students quickly find the part the are looking for
- Potentially very large file sizes

Screencasts at JCC

- ★ Pre-recorded short lecture segments (5-15 minutes) that cover 1~2 specific topics each
- ★ Recorded at 'full speed' (twice as dense)
- *'Talking textbook'
- ★ Alternative presentation
- ★ Students use as pre-lecture, post lecture review, exam review...
- * Attendance unchanged
- ★ Used by other faculty (HS, college)
- ★ Other uses: exam keys, pre-lab discussion, problem solving...





Further Information

Technology discussion (blog)

www.docott.com/education

Class blogs (with screencasts)

www.docott.com/141 www.docott.com/142