Using Video to Support Face to Face and On-Line Instruction

Richard Hall

Professor, Information Science and Technology

Director, Center for Technology Enhanced Learning

What are you in for?

- Richard's background
- The good, the bad, and the philosophy.
- Description of each of my courses, how I use videos, and some sample videos
- Description of tools and techniques.

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1996: I learned some html

- 1998: Taught neuroscience as "hybrid courses" (2/3 class – 1/3 on line)
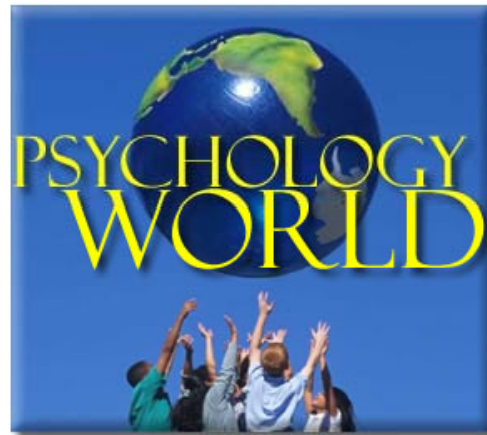- 2000: Taught general psychology as "hybrid course" (1/2 class – 1/2 on line)

PSYCHOLOGY WORLD General Experimental Virtual Statistician PsychToons

- General Psychology
- Experimental Psychology
- Virtual Statistician
- PsychToons

Psychology World was created by Richard Hall in 1998 and is covered by a creative commons (by-nc) copyright

- 2000: Interviewed by Chronicle of Education as "expert" on web and education.

THE CHRONICLE OF HIGHER EDUCATION   chronicle.com/distance

Distance Education

Tuesday, May 30, 2000

LOGGING IN WITH . . .
Richard H. Hall

Scholar Says 'Learning by Doing' Is the Key to Quality Instruction

By DAN CARNEVALE

Richard H. Hall, an associate professor of psychology at the University of Missouri at Rolla, has taught both online and face to face, and he finds that neither approach is inherently better than the other. He has also noticed that many professors don't take advantage of new teaching methods:

U. of Missouri at Rolla

Headlines

Ousted chief of City College of N.Y. is named to lead higher-education group

Government to reassign head of unit that oversees human-subjects research

Britain weighs reforms after Harvard accepts a working-class student whom Oxford rejected

Students in Serbia defy government's closure of universities

- 2001: Coordinated IDSC efforts to bring blackboard to Missouri S&T– taught blackboard workshops and first blackboard help desk
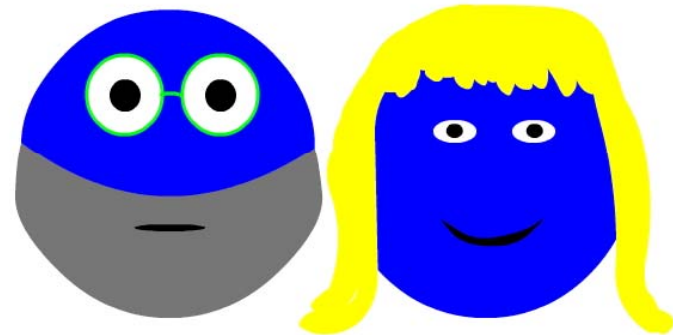
- 2001: Founded "Education and the World Wide Web" special interest group in the American Educational Research Association.

- 2002: Switched from Psychology to IST and began teaching digital media, human-computer interaction, and web studies.

- 2005: The "Richard Show" launches

Left in the Ozarks

- 2006: Started creating on-line video for courses

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Why Use Video?

- Anytime anywhere

- More personal than audio, text, or graphics.

- Editable

- It's cool. Especially if you're a ham.

Why not use Video

- Technical requirements.
- Time.
- You don't like cool stuff and/or you're not a ham.

Richard's Philosophy of on-line education

- Don't try and re-create the classroom lecture (why re-create a crappy model)
- Take advantage of the web (rich media, many resources)
  - I have not lectured or used a text book for several semesters.
- Trying to teach two sections (on-line off line) simultaneously is bad experience for both and/or expensive.
- Rather than making all students have the classroom experience, all students have the on-line experience.
  - Many seem to prefer that, anyway.
- Never add more content so you can use technology!

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Digital Media

- On-campus course with no "lectures"
- All content to be "delivered" is in the form of video tutorials. (makemedia.tv)
- Use class time is for one-on-one help with those who want/need it. (Most don't).
- Weekly media assignment they turn in and I grade.
- Last teaching evaluation = 3.4/4

Courses: HCI Evaluation

- First half of semester all on-line asynchronous
  - Each week is over one evaluation technique, including media, homework, and quiz.
    - "Media" is principally text, and some video I create.
- Least video intensive of my courses
- Second half of semester, students work with a client, and teams meet with me once a week for 30 minutes.
- Last teaching evaluation = 3.1/4

Courses: Web Studies

- All asynchronous, on-line, except for two synchronous on line meetings via flash meeting (flashmeeting.com)
- Weekly "Assignment"
  - Typically involves viewing media and participating in discussion board
- Use Video Extensively
  - Media
    - Video I get from web (e.g., ted.com)
    - Video I create (webstudies.tv)
  - Video feedback I create that integrates students comments
- Evaluations 3.8/4 over history of course, both distance and on-campus students

Video Examples

- Digital Media (makemedia.tv)
- HCI Evaluation (researcharts.tv)
- Web Studies
  - Kevin Kelly on TED
    - (http://www.ted.com/talks/kevin_kelly_on_the_next_5_000_days_of_the_web.html)
  - Web Studies Weekly (webstudies.tv)
  - Feedback and Flash Meeting Play back
    - mst.edu/~rhall/tltc

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Screen Capture

- "Lecture"/demonstrate from my desk top.

- Applications I've used
  - Camtasia (new mac version)
  - iShowU (mac only)
  - Screen flow (mac only)
  - Camstudio.org (open source)

Video from the Web

- In google you can limit search to video
- Miro has a search feature for several video sources including youtube
- Creative Commons
  - Help you build stuff and respect copyright
  - All that I create is by-nc
- Internet Archive
- Use screen capture video to capture video from the web

Editing

- Editors in Screen Capture tools (camtasia & screen flow)
- Premiere Pro (Adobe)
- Final Cut Pro (Mac only)
- Garage band (audio – mac only)

Store and Display

- Upload video to blip.tv
  - Best terms of service of video hosts
- Upload video to blackboard or embed in a web page in a domain I purchased from godaddy.
- Link to video web page from blackboard.

URLs

Richard and His Videos

- mst.edu/~rhall
- makemedia.tv
- researcharts.tv
- webstudies.tv
- mst.edu/~psyworld
- richardshow.org

Other Stuff

- ted.com (ted talks)
- creativecommons.org
- blip.tv (video host)
- techsmith.com (camtasia)
- adobe.com (premiere pro)
- apple.com (final cut pro)
- shinywhitebox.com (iShowU)
- telestream.net (screen flow)
- godaddy.com (hosting/domain registration)
- flashmeeting.com

The End