Teaching & Presentation Strategies for a Multimedia Classroom

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Objectives

- Using Multimedia Classroom to Enhance Learning
- Preparation of Materials
  - Design & Production
- Presentation Strategies & Use of a Multimedia Classroom
How to Prepare for Class

- More time when first using technology; less time once technology is in place.
- Allow lots of set up time.
- Go to room the day before class & practice.
- Keep notes of set up steps.
- Have alternative plans if technology fails.

From: “Technology Tips for the Classroom” by Kathleen Eilers crandall, June 1999 NTID/RIT. Used with permission of the author.
Technology Should Enhance...

- Use technology when it serves a specific purpose.
- If technology gets in the way of teaching, don’t use it!
- Technology does not make teaching better or even easier.

From: “Technology Tips for the Classroom” by Kathleen Eilers crandall, June 1999 NTID/RIT. Used with permission of the author.
Communication Issues

- Establish a communication plan
- Equipment can reduce visibility
- Have a plan to regain student attention
- Keep switching between computer displays to minimum.

From: “Technology Tips for the Classroom” by Kathleen Eilers crandall, June 1999 NTID/RIT. Used with permission of the author.
Logistical Concerns

- Scheduling a “Smart” classroom
- Learning to use and troubleshoot equipment
- Time for equipment set-up and break-down
- Equipment obstacle course
Logistical Concerns

- Will technical help be available?
- Need for a back-up plan
- Installing new software
- Different software versions in office vs. classroom
- Okay…whose been messing with the equipment?
Classroom management issues

- Where do I stand for best communication?
- What lighting is best for communication?
- Lack of writing (whiteboard) space
- Projecting more than one source
- What effect is technology having on faculty sign skills?
Let’s discuss the following...

- Visualizer
- PowerPoint
- Web
Document Camera
“Visualizer”

- Used to display...
  - articles
  - objects
  - slides
  - video

From: “Deaf Students and Technology: Best Teaching Practices” PowerPoint Presentation, November 9, 2001 by Sam Holcomb and Doug MacKenzie. NTID/RIT
Document Camera
“Visualizer”

Advantages...

- great for showing objects (pagers, TTY display)
- “zoom” function for small print and fine detail
Document Camera
“Visualizer”

Limitations…
- poor resolution for text
- glare
- barrier to communication

From: “Deaf Students and Technology: Best Teaching Practices” PowerPoint Presentation, November 9, 2001 by Sam Holcomb and Doug MacKenzie. NTID/RIT
Strengths…

- No overhead transparencies!
- Visual
- Outline format useful for preparing lectures
- Insert video and hot links
- Quick revisions
Strengths…

- Easy to post on the web
- Handouts
- High-tech look
- Keeps students focused on topic
- Can send as an e-mail attachment
Weaknesses…

- Overused!
- Too much text
- Selecting good color schemes
- Typography issues
- Overuse of animation
- Not flexible
- Requires more preparation time
Strengths…

- Visual
- Current
- Interesting
- Interactive
- Good for organization of course materials

From: “Deaf Students and Technology: Best Teaching Practices” PowerPoint Presentation, November 9, 2001 by Sam Holcomb and Doug MacKenzie. NTID/RIT
Web

Weaknesses…

- Problems with roaming IP addresses
- What’s there today may look different or be gone tomorrow
- Can be visually distracting

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Web

Weaknesses...

- Some students have difficulty evaluating web content:
  - credibility
  - bias
  - fact vs. opinion
  - parody sites
Students with vision problems

- Room lighting
- Seating
- LCD projector
- Individual computer workstations
- Color choices (text and background)
- Glare from projector and Visualizer
Discussion