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Information Arcade Collaborations and Innovative Learning Environments

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Innovations and Collaborations

- Introduction: Brief History
- Innovations/Collaborations/Scaling Up
  - Electronic Classroom
  - Digital Video/Audio
  - Web as Publishing Medium
  - Faculty Partnerships
  - Digital Library
- Questions for Discussion

Information Arcade®

- Brief history
  - Opened in 1992
  - Initially funded by Carver Charitable Trust
  - "To facilitate the integration of new technologies into teaching, learning, and research"
  - Unique staffing model: graduate assistants as primary public services staff
Electronic Classroom

• **Innovation**
  • A fully wired, interactive classroom open to undergraduate courses in all disciplines for classes redesigned to integrate technology
  • First on campus


Electronic Classroom

• **Collaboration**
  • David Stern, Philosophy
  • Interactive courseware designed to teach logic (Tarski's World)
  • Changing how students interact with the professor and with each other in a dynamic learning environment


Electronic Classroom

• **Scaling Up**
  > Information Commons classrooms (2), Hardin Library for the Health Sciences
  > ARTIC (Advanced Real-Time Information Center), Business Library
  > Discipline-specific classrooms around campus

Digital Video/Audio

• **Innovation**
  • Allow any student or faculty member to digitize video and create a movie on a drop-in basis
  • Brand new technology: QuickTime 1.0

Digital Video/Audio

• **Collaboration**
  • Brooks Landon, English
  • Literature and Culture of the Twentieth Century
    > Examining new inventions and innovations around the turn of the (last) century
    > Early movies, sound recordings, and panoramic scans

Digital Video/Audio

• **Scaling Up**
  > Broadcast quality video editing suite
    > High-end video capture (Media 100)
    > Broadcast quality output (DV/SVHS)
  
    > Streaming Video on the Web (Real Video)
    • Server available to all of campus
Web as Publishing Medium

- **Innovation**
  - Web space open to all faculty and graduate students for authors to harness and exploit the web as a new communications medium
  - Not personal home pages
  - Not course web sites, assignments, reserves
  - Not traditional electronic serials publishing
  - Rather, new models of expression that require capabilities of the web for effective communication

Web as Publishing Medium

- **Collaboration**
  - Karla Tonella, Communication Studies
    - Border Crossings
      - To "encourage the browsing reader to consider the areas of their postmodern world where traditional boundaries are being renegotiated and blurred"
  - Mary Curtis, Women’s Intercollegiate Athletics
    - Gender Equity in Sports
      - Monitoring current state of affairs of gender equity in intercollegiate sport and Title IX compliance

Web as Publishing Medium

- **Scaling Up**
  - Bailiwick Project
  - Open to all faculty and graduate students
  - Author’s bailiwick
    - Authors have complete editorial freedom
  - Web space and support
    - Technical support, consultation on design, support for information and research
  - Institutional support and credibility
    - Not buried deep in some faculty member’s home page
Faculty Partnerships

- **Innovation**
  - A team of academic faculty, librarians, and information technologists working to redesign a course or curriculum to take advantage of current technologies

Faculty Partnerships

- **Collaboration**
  > Bruce Gronbeck, Communication Studies
  > Introduction to Research for Graduate Students
  > Redesign as a modular course in collaboration with reference librarians and Information Arcade staff, heavily based on electronic research

Faculty Partnerships

- **Scaling Up**
  - TWIST Project (Teaching With Innovative Style and Technology)
  - Initially funded by Carver Charitable Trust
  - TWISTed Pairs: librarians and faculty working in partnership to redesign courses
Digital Library

• Innovation
  > Digitizing selected library collections modeled after large-scale digital library initiatives at Michigan, Virginia, et al.


Digital Library

• Collaboration
  > Richard Kolbet, Special Collections Librarian
  > Tiny Tomes: The Charlotte M. Smith Collection of Miniature Books
  > Timothy Shipe, Bibliographer
  > Periodicals from the International Dada Archive


Digital Library

• Scaling Up
  > Scholarly Digital Resources Center
  > Arts & Humanities Digital Resources Center
  > Center for Electronic Resources in African Studies
  > Virtual Exhibits
  > Traveling Culture: Circuit Chautauqua in the Twentieth Century
  > Library of Congress American Memory Project

Questions for Discussion