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Information Arcade Collaborations and Innovative Learning Environments

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Information Arcade
Collaborations and Interactive 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

- **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

- **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

• **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

• **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