Putting It All Together

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Putting It All Together

Design drivers to move your classroom from your campus to the world
The University of Texas School of Nursing at Houston

• Janet G. Johnson, MA
• Linda L. Crays, MA
• William Bryan Hillier

Houston Academy of Medicine – Texas Medical Center Library

• Leah Krevit, MLIS
Design Drivers

• What drives the design ;->
  – What learning experience is being created?
  – What outcomes are achieved?
  – Why begin here?
    • You can not solve an undefined problem
    • Measurable outcomes are a requirement
    • You do not build a house without a blueprint
Agenda

• Understand “design drivers”
• Use existing technologies
• Create new “learning leader” and learner experiences
• Capture for discovery in Digital Commons
• Build bridges (Communicate!)
Education technology design drivers for the digital age

• Learning environments that...
  – Improve academic performance for every student and every instructor
  – Recruit, reach, and retain more students
  – Utilize technology that is a “Practical Enterprise Solution”
  – Require minimal training and support
  – Provide strong and measurable ROI
Use existing technologies

Why?

Because majority of faculty or “learning leaders” are digital immigrants.
Dr. Elizabeth Eaton, PhD
Executive Director
Houston Academy of Medicine – Texas Medical Center Library
Use existing technologies

• Classroom Control Systems
  – Touch screen panel
  • On classroom podium
  • Interface to classroom technology
  • Controls presentation devices
    – VCR/TV
    – Projector
    – Computer
    – Lights/Audio
Curriculum management systems

- Blackboard
- Ubiquitous
- Web-based
- Provides access to a wide range of class materials, including syllabi, course packs, assessment, and presentations
Welcome to the UTHSC-H Blackboard

Welcome to the UT-Houston Blackboard™, an easy to use online learning tool. Accessible at any time, via the Internet, it allows students and faculty to access class information as needed. You must have a password from The University of Texas Health Science Center at Houston to enter this site.

To find out more about Blackboard at UTHSC, check out the info.

To enter this site, click on the login button.

InCommon
Streaming Video File Instructions

To open a video file, click on the folder for the date that you need to view, then click on the link of a session. The first session is the beginning of the class until the first break and the other sessions are ended when there is a class break. Microsoft Windows Media Player should launch in a separate window. Also it is very important that you connect using high speed internet access to view these files. This could be a cable connection through your cable company, DSL, or you may wish to view the files on your campus or at your place of work.

If the video does not play, make sure you have the latest version of Windows Media Player.

If you need to install Windows Media Player 9.0, click on the icon below and follow the instructions.
Video conferencing

- Synchronous

Video streaming

- Asynchronous
  (Capture/video on demand)
Technologies that improve academic performance

- Lectures
- Faculty-student and student-student interactions
- Audio/video
- Meeting
- Supporting course materials
Create new “learning leader” and learner experiences

Capture for discovery in Digital Commons
Capturing: The Digital Commons

• Institutional Repository
• Multiple institutions
• Provides storage and access for multiple formats
  – Published research
  – Learning objects
  – Audio and video streams
  – Presentations
  – Teaching materials
DigitalCommons@ The Texas Medical Center

- Cataloging
- Metadata
- Search capabilities
- Discovery
- Google Me
Dissemination of Scholarly Work

- Facilitates collaboration opportunities
- Rapid dissemination of ideas
- Increases citation of work
- Preserves scholarly output for the future
browse research & scholarship

Browse research and scholarship by:

1. research unit, center, or department
2. journals and peer-reviewed series
3. theses and dissertations

The repository is a service of the Houston Academy of Medicine-Texas Medical Center library. Research and scholarly output included here has been selected and deposited by the individual academic institutions and research centers in the Texas Medical Center.
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Implement Creative Commons for control of intellectual property rights
Managing digital assets enables discovery and access.
Creating Technology Bridges

- Macro view
- Micro view
- Taking it to your institution
- Taking it to the world
Macro

• Classrooms to the world
• Instructors to the world
• The world to classrooms
• Internet
  – Video
  – Audio
  – Text
  – Games
  – Collaboration
Vaunette P. Fay, PhD, APRN, GNP
Associate Professor of Nursing
The University of Texas School of Nursing at Houston
Micro Level
Silos and Bridges

• The campus/the facility
  – Faculty (Learning Leaders)
  – IT department
  – Resources
  – Students (Learners)
• Build bridges and collaborate to create new learning environments
Minimal Training & Support
Communicate
Use Existing Technologies
Improve Academic Performance & Measurable ROI
Recruit, Reach, and Retain
More Learners
Enterprise Solution
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