

"Teaching is leading students into a situation in which they can only escape by thinking"

Digital Humanities in Asia: Global Technologies and Local Knowledge
 United Board
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E-Learning → Digital Learning



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Tentative Roadmap

- ❖ Digital Natives – Digital Immigrants
- ❖ Digital Teaching Tools
- ❖ Some Examples
- ❖ Challenges, Hurdles
- ❖ Summary



The University Teaching



1890s

Now

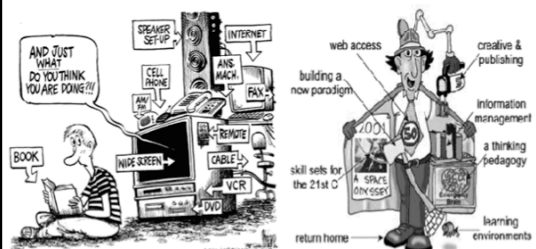
What has changed?

The World Has Changed

- ❖ More global, more connected, faster pace of change
- ❖ There is increased inter-connectivity at every level
- ❖ Many new tools for teaching and learning
- ❖ Diverse skills sets (literacy's) are needed
- ❖ A new knowledge based economies
- ❖ Students are different



Digital Students : Digital Teachers
Digital Natives : Digital Immigrants



Digital Natives

- ❖ Born after 1987
- ❖ Computers and digital media has always been present in their live
- ❖ Used to rapid technological changes
- ❖ Have always multi-tasked
- ❖ Spent 5x to 6x more time playing video games and watching TV then reading (US)
- ❖ Written text is NOT their preferred medium
- ❖ **They are our present and future students**

Digital Immigrants

- ❖ They are us
- ❖ Have always used traditional written text
- ❖ Small percent of early adopters and innovators
- ❖ Use digital media for discipline research and communications e.g. email
- ❖ Most have not adopted digital media for teaching
- ❖ Many are resistant to change
- ❖ Few have a social network presence

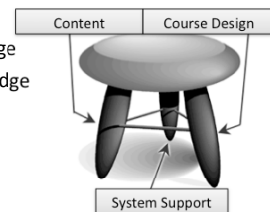
Digital Tools for Learning

- ❖ Learning Management Systems
- ❖ Classroom response devices (clickers)
- ❖ Blogs
- ❖ Wikis
- ❖ Digital gaming
- ❖ Social Networking (Web 2.0)
- ❖ Mobile Learning (M-learning)
- ❖ Multi User Virtual Environments (Second Life)
- ❖ Keep-Tool-Kit
- ❖ And others



What is Needed for Effective E-Learning?

- ❖ Effective E-learning requires a new set of skills and partnerships
- ❖ A three legged stool
 - ✓ Content knowledge
 - ✓ Course design knowledge
 - ✓ System support knowledge



Digital vs. Text

Digital Based

- ❖ Non-linear (hyper-texted)
- ❖ Multiple outcomes
- ❖ Emerging formats
- ❖ Combined mixed-media
- ❖ Allows simultaneous multi-authorship
- ❖ Vetted by users
- ❖ Multiple forms of input

Text Based

- ❖ Linear
- ❖ Outcome is defined
- ❖ Established formats
- ❖ Solo activity
- ❖ Multi-authorship sequential
- ❖ Vetted by experts
- ❖ Limited forms of input

Learning Management Systems

- ❖ WebCT, Blackboard, Moodle, Others
- ❖ Single platform access
 - ✓ Common across an institution
 - ✓ Multiple functions (too-many?)
 - ✓ Flexible
 - ✓ Secure
- ❖ Significant learning curves
 - ✓ Each platform slight different
 - ✓ Often not intuitive

Learning Management Systems: Pedagogical Tool Set

- ❖ Class announcements
- ❖ Class email
- ❖ Post and distribute class materials
- ❖ Discussion/Bulletin boards
- ❖ On-line quizzes and test
- ❖ Surveys
- ❖ Post and receive assignments
- ❖ On-line real time office hours
- ❖ Wikis and blogs
- ❖ Wimba type language tools
- ❖ Chat, voice and real-time video
- ❖ ELMS UMD Course Platform



Blended vs. On-line

- ❖ Course platforms allows digital pedagogies
- ❖ Blended delivery
 - ✓ Use of on-line to deliver part of the course learning activities
 - ✓ Many advantages, 24/7, archives of student work
- ❖ Fully on-line
 - ✓ Allows flexible time and spatial delivery
 - ✓ Requires rethinking of course design
 - ✓ Effective when done right
 - ✓ Is not face to face via the web
 - ✓ Does not decrease interpersonal interaction
 - ✓ Doesn't work for all materials or all people (nothing does)

Wikis and Blogs

- ❖ Blogs
 - ✓ Individual author
 - ✓ Linear
 - ✓ Open access
- ❖ Wiki
 - ✓ Multi-author
 - ✓ Collaborative
 - ✓ Socially vetted
 - ✓ Wikipedia
- ❖ CTE Apr. – May 2009 Newsletter (two articles)
 - ✓ <http://cte.umd.edu/teaching/newsletter/index.html>



Examples of Wiki Uses

- ❖ Asking student to contribute to Wikipedia
 - ✓ Multi-author user vetted assignment
- ❖ WRLD318d People and Sustainability in Laos
 - ✓ 2007 Winter-term short-term study abroad course
 - ✓ All course materials via a closed class wiki
 - ✓ http://www.otal.umd.edu/wiki/laos2008/index.php?title=Main_Page



Visual Literacy's

- ❖ Visual items
- ❖ Moving images are powerful teaching tools
- ❖ You-Tube
 - ✓ 200,000 per day
 - ✓ Source of information
- ❖ Literacy
 - ✓ Search
 - ✓ Evaluate
 - ✓ Capture
 - ✓ Cite



The Next Generation

- ❖ What is on the horizon?
 - ✓ Web 2.0 social networking
 - ✓ Mobile learning (M-learning)
 - ✓ Virtual environments (MUEs)
 - ✓ New platform/portals (RISAL)
 - ✓ Google education tools
 - ✓ Others



Activity Two

- ❖ What are the challenges/hurdles to using E-learning in your classes?
- ❖ ...
- ❖ ...
- ❖ ...



Share your list with the people beside you.

Challenges For E-learning

- ❖ Developing pedagogies that go beyond text based teaching and learning
- ❖ Need to think outside our comfort zone
- ❖ Providing for multiple types of learning styles and engagements
- ❖ Making the process relevant and transparent
- ❖ Finding good "stuff" to use
- ❖ Accepting not being the expert

Limitations and Hurdles

- ❖ Access and bandwidth
 - ✓ Filtering
 - ✓ Digital divide
- ❖ Infrastructure support
 - ✓ What is available
 - ✓ Who is responsible to ensure the system works 24/7
- ❖ Learning curves and time
 - ✓ Faculty and students
- ❖ Language
- ❖ Faculty training
- ❖ Incentives for change

E-learning Summary

- ❖ Learning that develops and enhances necessary skills
- ❖ High potential for augmenting the traditional
- ❖ Innovate don't replicate
- ❖ Build upon what works
 - ✓ Active learning, student creativity, student engagements, collaborative work,



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Sept. 08 – June 09

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Reference and Links

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 - ✓ <http://www.digitalnative.org/#home>
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