The Changing Landscape of American and Malaysian Higher Education

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Change Drivers

- Demographics
- Globalization
- Economic Restructuring
- Information Technology
Demographic Change Drivers

- Ethnic identification mix is changing
- Age structure is changing
- Nature of students is changing
- Demand for access is increasing
Economic

- Globalization
- Economic Restructuring
- Downsizing
Constant training, retraining, job-hopping, and even career-hopping is the norm.
Graduates Must Be Able To

- Function in a global economy for job success in the 21st century
- Work effectively with people from different cultural backgrounds
- Work as a team member
- Use information technology tools effectively
- Function creatively and innovatively
- Access, analyze, process, and communicate information
- Engage in continuous, independent learning
What Lies Ahead in Technology

- Diminution (Nanotechnology/micromachines)
- Wireless networks/Wireless Web/Wi-Fi
- Low-earth-orbit satellites
- Global cyberinfrastructure
- Mobile
- Social networks
- Electronic books
- Simulations
- Virtual reality
- Expert systems
Pew Learning and Technology Program

- BYU
- Drexel
- Florida Gulf Coast
The Internet Assists Educators To:

- Center learning around the student
- More intensive interaction about authentic data
- Focus on the strengths of individual (and more diverse) learners around the globe
- Make lifelong learning a practical reality
The Changing Higher Ed Environment

- Certification monopoly at risk
  - employers concerned about competency
  - employers relying less on diplomas
- Outcomes assessment coming on line
- Western Governors University
- Accreditation agencies
- New competition
  - Traditional "service areas" fair game
  - New for-profit educational providers
The Changing Higher Ed Environment

- The “bookless” campus
  - e-Libraries
    - NetLibrary
    - Questia
    - XanEdu
    - Jones e-global Library
  - Services
    - 24-7 reference desks
    - Online chat book advice
    - e-Book reading devices on loan
The Calendar

- Rio Salado College in Phoenix
- The University of Phoenix
<table>
<thead>
<tr>
<th>Old Paradigm</th>
<th>New Paradigm</th>
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<tbody>
<tr>
<td><strong>Faculty:</strong> lecture</td>
<td><strong>Faculty:</strong> projects</td>
</tr>
<tr>
<td><strong>Faculty responsible for content, media, assessment</strong></td>
<td><strong>Faculty work as part of instructional team</strong></td>
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<tr>
<td><strong>Faculty role = actor</strong></td>
<td><strong>Faculty role = director</strong></td>
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<tr>
<td><strong>Student role = empty vessel</strong></td>
<td><strong>Student role = knowledge creator</strong></td>
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Old Paradigm

- Semester/tri-semester/quarter
- Set enrollments (e.g., once a year)
- Institutions act independently

New Paradigm

- Varying lengths of time for learning modules
- Continuous enrollments (e.g., once every two weeks)
- Institutions act with partners
Old Paradigm

- Degrees based on credit hours
- Information transfer via classrooms/library
- Libraries: stacks
- Textbooks

New Paradigm

- Degrees based on competency exams
- Information transfer anytime, anywhere
- Libraries: Starbucks
- e-books
Old Paradigm

- Print publication the primary mode of information transfer
- Publications refereed via professional associations and commercial publishers

New Paradigm

- Institutions publish professors’ papers, drafts, notes via open Web access
- Institutions sponsor their professors’ manuscripts to refereed Web-based open access professional journals
- Free online publication as prominent as paid print publications
How do we assist educators meet the challenges of the new paradigm?
References

- The University is Dead! Long Live the University!
  http://horizon.unc.edu/conferences/interview.html

- Using a Futures Approach in Organizational and Instructional Development
  http://horizon.unc.edu/projects/seminars/ELME.html
e-Learning Resources for the new paradigm

- University Learning = OCW + OER = FREE! http://tinyurl.com/5hcd5o

- Free Learning Tools http://tinyurl.com/48m5ur

- PLENK (Personal Learning Environments and Knowledge Networks) http://tinyurl.com/3xdbmpk
Discussions related to using Technology-Enabled Active Learning Strategies (TEALS)

• In Asia (http://tinyurl.com/66j3we4)
• In the Middle East (http://tinyurl.com/647ubwq)
• In a discussion focusing on faculty resistance to TEALS (http://tinyurl.com/64mzkmo).
This presentation is available at

www.horizon.unc.edu