Realigning Higher Education:
From Starting Them Off to Keeping Them Going

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Agenda

- Technological Enabled Change
- Pressure for Innovation
- Need for Change
MOOC

Flipping Classroom
MOOC

Flipping Classroom
Licensed Content
Open Textbooks
MOOC

- Flipping Classroom
- Licensed Content
- Open Textbooks
- Interactive Textbooks
DATA SCIENCE

@ THE iSCHOOL

School of Information Studies
SYRACUSE UNIVERSITY

New Librarianship
Master Class
Gartner hype cycle.
Gartner hype cycle.

MOOC ≠ Online

Source: Gartner, The hype cycle
Focus Problem

- Focus Exclusively on **Teaching** Function
- Little Focus on Learning
  - Connectivism v. Traditional Pedagogy
- Ignoring Labor Issues
- Ignores Discovery Aspects and Socialization
Ripe for Innovation?
Ripe for Innovation?

Percent of Adults with at Least a High School Diploma by Age Group, 2004

U.S. ranks 11th among OECD countries in percent of young adults with a high school diploma—the only country in which younger adults are less educated than the previous generation.
Ripe for Innovation?

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Ripe for Innovation?

Soaring College Tuitions

College tuition continues to outpace median family income and the cost of medical care, food and housing.

Growth since 1982-84

<table>
<thead>
<tr>
<th>Year</th>
<th>College tuition and fees</th>
<th>Medical care</th>
<th>Median family income</th>
<th>Consumer price index</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982-84</td>
<td>100</td>
<td>200</td>
<td>300</td>
<td>400</td>
</tr>
<tr>
<td>1990</td>
<td>200</td>
<td>300</td>
<td>400</td>
<td>500</td>
</tr>
<tr>
<td>1995</td>
<td>300</td>
<td>400</td>
<td>500</td>
<td>600</td>
</tr>
<tr>
<td>2000</td>
<td>400</td>
<td>500</td>
<td>600</td>
<td>700</td>
</tr>
<tr>
<td>2007</td>
<td>500</td>
<td>600</td>
<td>700</td>
<td>800</td>
</tr>
</tbody>
</table>

Net college costs as a percentage of median family income*

<table>
<thead>
<tr>
<th>INCOME CATEGORY</th>
<th>FOUR-YEAR PUBLIC</th>
<th>TWO-YEAR PUBLIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lowest</td>
<td>39 %</td>
<td>55 %</td>
</tr>
<tr>
<td>Lower-middle</td>
<td>23</td>
<td>33</td>
</tr>
<tr>
<td>Middle</td>
<td>18</td>
<td>25</td>
</tr>
<tr>
<td>Upper-middle</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>Highest</td>
<td>7</td>
<td>9</td>
</tr>
</tbody>
</table>

Note: Net college costs are tuition and room and board minus financial aid.

Source: “Measuring Up 2008,” the National Center for Public Policy and Higher Education
Innovation by Segmentation
Innovation by Segmentation
Innovation by Segmentation
Innovation by Segmentation
Innovation by Segmentation
Components of Higher Ed
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Ernie Davis Hall
Components of Higher Ed

MOOC’s, Private Universities, Corporate “Universities”

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Components of Higher Ed

MOOC’s, Private Universities, Corporate “Universities”

Open Access, Scholarship in Action, Data Sciences

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Shifting Time Scales

Bachelors → Masters → Doctorate

Learning

Theory → Practice
Shifting Time Scales

Theory
Learning
Practice

Bachelors → Masters → Doctorate
Beginning Steps

- Professional Schools
  - Creation of Professors of Practice (*Not Adjuncts*)
  - Virtual Faculty
- Consortial Research
  - Real World Impacts
  - Rise of Self-Publication (*Books for Now*)

- Online Teaching Infrastructure
  - Integration of Curriculum and Research (*New Academic Press?*)
Far To Go

- Break the 3 Credit Tyranny
- More Agile Certification/Accreditation
- More Diverse Faculty
- Better Integrated Student/Faculty Mix
Participatory Learning Center that Fuses Research & Teaching; Theory & Practice; and Student & Faculty