Residential Education meets Online Technology

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An Architect in Disguise...

Music Stage: Past & Present

Sage on Stage: Past & Present
Game Changer: MOOCs

Massive — enrolment numbers
Open — no mandatory qualifications
Online – fully web-based
Course - structured, temporal

Characteristics
- High quality; offered by top academics
- Web-based lectures and assessments
- Self-paced; some synchronous
- On-line forums, locale/city hangouts
- Mostly free, testing/certificates for a fee
- Increasingly accepted for credit

Year of the MOOC

So Long Stuffy Lecture Halls: Coursera Just Tripled Its Digital Campus

Is Coursera the Beginning of the End for Traditional Higher Education?

Online Higher-Education Startup Coursera Is Taking Over the World

Berkley Joins Harvard, MIT Offering Free Online Classes

A world-class education for free
Institutions offering online courses online to a global student body

Institutions of higher learning must move from a model of “time served” to a model of “stuff learned.” Because increasingly the world does not care what you know. Everything is on Google. The world only cares, and will only pay for, what you can do with what you know. And therefore it will not pay for a C+ in chemistry, just because your college considers that a passing grade and was willing to give you a diploma that says so.

We’re moving to a more competency-based world where there will be less interest in how you acquired the competency — in an online course, at a four-year college or in a company-administered class — and more demand to prove that you mastered the competency.

We have to get beyond the current system of information and delivery — the professorial “sage on the stage” and students taking notes, followed by a superficial assessment — to one in which students master more basic material online at their own pace, and the classroom becomes a place where the application of that knowledge can be honed through lab experiments and discussions with the professor.
MOOC ≠ Distance Learning

It’s the classroom experience when you take the bricks-and-mortar constraints out of it!
- Enabled by web 2.0 and convergence of hyper and social media
- Made possible by the ubiquity of high-speed Internet

A (Good) MOOC is a Production

Not “one size fits all” – every course has a character and uses technology as befitting the content.

Massive = Challenges & Opportunities

Table: MOOC Platform Landscape

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<tr>
<th>Software Platform</th>
<th>Open Source</th>
<th>Proprietary</th>
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<tbody>
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<td>Business Model</td>
<td>Not-for profit</td>
<td>For profit</td>
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<tr>
<td>University Role</td>
<td>Consortium (Inclusive)</td>
<td>Members (Inclusive)</td>
<td>None</td>
<td>Consortium (Exclusive)</td>
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<tr>
<td>Associated Institutions</td>
<td>Harvard/MIT + 10 Others</td>
<td>66 Universities</td>
<td>None</td>
<td>Duke, Emory, Northwestern, WUSTL</td>
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<tr>
<td>Scale and Scope</td>
<td>30 Courses Broad Coverage High Quality</td>
<td>300+ Courses Broad Coverage Variable Quality</td>
<td>30+ Courses Tech/Business Industry Driven</td>
<td>30+ Courses Undergraduate Exchange Credit</td>
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Online + Education… Why now?
Convergence of Mature Technologies

Skills Gap

Broad Investments

Value vs. Cost of Higher Ed
Bending Cost of Higher Ed Degrees …

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Badging and Credentialing

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… and Credits

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… and Pre-College Credits!
Customers (and soon teachers) are changing!

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Impact on Higher Ed Sector?

- In one word: Unbundling!

Unbundling describes how the ubiquity of mobile devices, Internet connectivity, consumer web technologies, social media and information access in the 21st century are affecting older institutions (education, broadcasting, newspapers, games, shopping, etc.) by "breaking up the packages they once offered, providing particular parts of them at a scale and cost unmatchable by the old order."

Unbundling has been called "the great disruptor"!
Traditional Higher Ed Bundle(s)

- The “4-year” college experience as a bundle
- The “curriculum and diploma” as a bundle
- The “course” as a bundle
- Faculty as a “teaching and research” bundle
- The “campus” as a bundle
- The “schedule” as a bundle

Extreme Study Abroad?

Interactive Learning Platform

 Classroom Environment

Minerva is a new model of education that uses digital technologies to facilitate effective teaching and learning. These technologies are designed specifically to reach small groups, allowing for effective and efficient learning. The unique structure of the classes provides a curriculum that is both engaging and adaptable.

All academic classes are small, discussion-focused seminars limited to no more than 15 students, and taught by a distinguished faculty member of our university. Classes are conducted online to take advantage of technologies that are not possible in a physical classroom.

Our interactive learning platform allows students to gain insights into student learning that would be impossible in traditional classrooms. In each class, students will be able to interact with each other and with their professors, making the learning experience more personalized and effective.

In our program, students will travel to cities around the world to immerse themselves in the culture and societal issues of each city. By living and learning in different cities, students will gain insights into global challenges and develop a deeper understanding of the world.

Edx Meetup Groups

Find an Edx Meetup Group near you

Country

Harvard U. will offer exclusive MOOCs to alumni

Find a Edx Meetup Group near you

City

Groups 1e

Members 5,356

Interested 1,297

Cites 26

Countries 16

Search
“New” Ways to Engage Alumni

Harvard asks graduates to donate time to free online humanities class.

Online Tech: Beyond Course Delivery

- Learning by doing
- From papers to persistent online artifacts
- Instantaneous feedback on homework assignments
- Feedback to instructor on learning outcomes
- Personalized assistance/assessment
- Peer review and evaluation
- Try before you buy
- MOOCs as screening/recruiting tools
- From diplomas to portfolios

Take Home Message

How to respond to unbundling?

- It’s all about quality; focus on differentiation
- Co-evolution means that change is the only constant
- Do not resist it; embrace it!