Innovations in Education: How to Use Social Media, Mobile Learning, MOOCs and Open Educational Resources to Transform Learning

Curt Bonk, Indiana University, cjbonk@indiana.edu
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30+ Ways Learning is Changing: The Mega Trends

- Learner Engagement
- Pervasive Access
- Customization & Personalization

How Learning is Changing: Mega Trend #1. Learner Engagement

- social
- mobile
- visual
- game-based
- digital & resource rich
- immersive
- collaborative
- hands-on
- touch-enabled
- adventurous

How Learning is Changing: Mega Trend #2. Pervasive Access

- informal
- free
- open
- synchronous
- ubiquitous
- online
- immediate
- global
- video-based
- direct from experts

How Learning is Changing: Mega Trend #3. Customization

- massive
- self-directed
- communal
- competency-based
- on-demand
- modifiable
- modular
- blended
- personal

30+ Ways Learning is Changing: Recapping the Three Mega Trends: Engagement, Access, and Customization
**Research Background**

**The Numbers: MOOCs in 2016 (Dec 25th, Class Central)**

- **Growth of MOOCs**
  - 58M Students
  - 700+ Universities
  - 6850 Courses

**Top 5 MOOC Providers by Number of Registered Users, 2017**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Provider</th>
<th>Registered users</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Coursera (U.S.)</td>
<td>27 million</td>
</tr>
<tr>
<td>2</td>
<td>edX (U.S.)</td>
<td>11 million</td>
</tr>
<tr>
<td>3</td>
<td>Xuetangx (China)</td>
<td>7 million</td>
</tr>
<tr>
<td>4</td>
<td>FutureLearn (U.K.)</td>
<td>6.3 million</td>
</tr>
<tr>
<td>5</td>
<td>Udacity (U.S.)</td>
<td>6 million</td>
</tr>
</tbody>
</table>

**August 7, 2017**

**1. MOOCs for Credit**

FutureLearn and Coventry University to Roll Out 50 Online Degrees

Class Central, Dhawal Shah

**June 15, 2017**

Massive List of MOOC Providers Around The World

(Where to Find MOOCs: The Definitive Guide to MOOC Providers)

Class Central, Dhawal Shah

https://www.class-central.com/report/mooc-providers-list/
June 15, 2017
MOOCs for Credit
Class Central
https://www.class-central.com/report/moocs-for-credit/

March 3, 2017
2. MOOCs for Credentialing
edX Expands MicroMasters Programs With Data Science ("nanodegrees")
Digital Leadership and More, Sri Ravipati, Campus Technology

July 28, 2016
Coursera Specializations email
Starting Monday: 9 Top Specializations
https://www.coursera.org/courses?languages=en&utm_campaign=SkXukFONEea1Nr_6p0oZUA&utm_medium=email&utm_source=marketing

April 1, 2015
3. MOOCs for Extending Course Resources (e.g., flipping the class)
For a Better Flip, Try MOOCs, David Raths, Campus Technology
http://campustechnology.com/articles/2015/04/01/for-a-better-flip-try-moocs.aspx

September 25, 2017
4. MOOCs for Expanding Instructor Influence
Professors Have Taken Over the MOOCs:
How open online learning is changing
Joshua Kim, Inside Higher Ed
https://www.insidehighered.com/blogs/technology-and-learning/professors-have-taken-over-moocs

July 1, 2015
5. MOOCs for Global Collaboration
Chapter 14: Creating a Temporary Spontaneous Mini-Ecosystem through a MOOC
Paul Kim and Charlie Chung, Stanford University
Figure 2. Twitter thread announcing the MOOC
Chapter 18: Changing the Tune: MOOCs for Human Development? A Case Study
Balaji Venkatataraman and Asha Kanwar, COL

Chapter 19: Harnessing the Power of Open Learning to Share Global Prosperity and Eradicate Poverty
Sheila Jagannathan, World Bank, Washington DC

August 23, 2017
8. MOOCs for Explaining Trends and Innovations
George Siemens and David Wiley Join Forces for a MOOC About Open Education
Manuela Ekowo, EdSurge

June 14, 2016
9. MOOC for Equipping Teachers with Needed Skills (e.g., programming)
Chapter 15: Learning About MOOCs by Talking to Students
Charles Severance, Univ. of Michigan
Anuar Lequerica, Class Central

April 20, 2015
10. MOOCs for the Disadvantaged and Underprivileged
250 MOOCs and Counting: One Man’s Educational Journey, Chronicle of Higher Education
http://chronicle.com/article/250-MOOCsCounting-One/229397/?cid=at

Jima Ngei: “I had this unrelenting fear that this miracle of free access might evaporate soon.”

11/6/2017
May 4, 2016
11. MOOCs for Screening Talent
This Mongolian Teenager Aced a MOOC

May 4, 2016
12. MOOCs for Spirituality
MOOC 4.0: The Next Revolution in Learning & Leadership, Otto Scharmer, Huffington Post

August 12, 2016
13. MOOCs for Personal Change
A Life of Happiness and Fulfillment
Indian School of Business, Rajagopal Raghanathan

September 15, 2015
14. MOOCs for Social Impact
Social Learning for Social Impact, edX

October 7, 2014
15. MOOCs for Public Health
ALISON: Global Health Initiatives
Online Mooc courses deliver Ebola health advice, BBC News, Sean Coughlan

August 24, 2016
16. MOOCs for Cultural Expansion
K-MOOCs (and ocMOOCs and hMOOCs)
Revolutionizing online education
Professor creates courses tailored to cultural differences

Disinfecting a room in Monrovia, Liberia: Online courses are providing health advice to fight Ebola.
August 20, 2015
17. MOOCs for Fantasy Worlds
Syracuse professor offers free ‘Star Trek’ class to the public, USA Today, Amari D. Pollard, LeMayne College

August 23, 2017
18. MOOCs for Experimentation and Potential Disruption
‘Disrupt This!’
Doug Lederman, Inside Higher Ed

August 9, 2017
19. MOOCs for Free College
New Venture Will Offer Free Courses That Students Can Take for College Credit
Goldie Blumenstyk, The Chronicle of Higher Education

September 16, 2013
Rwandan Degree Program Aims for a ‘University in a Box’, Chronicle of Higher Education, Megan O’Neil

20. MOOCs for Life Change
Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge. Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a “refresher.”

Documenting Success Stories
MOOC Benefits and Impact
Who’s Benefiting from MOOCs, and Why
Chen Zhenghan, Brandon Akorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

Students attend an orientation session at Kepler, a new hybrid program in Kigali, Rwanda, which will use MOOCs and classroom time to help students earn competency-based associate degrees.
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Chen Zhenghao, Brandon Alcorn, Gayle Christiansen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

Any Questions or Comments?
MOOCsBook: http://moocsbook.com/
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Papers: PublicationShare.com
Free book: http://tec-variety.com/
Email: curt@worldisopen.com