

Taking Leadership in Mystery of MOOCs and the Mass Movement toward Open Education

Curtis J. Bonk,
Professor, Indiana University
cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>



Audience Poll #1: Has learning technology ever transformed your life.



May 10, 2013

10 ed-tech tools of the 70s, 80s, and 90s

eSchool News, Meris Stansbury
<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



Looking to the Past...



Life as an accountant/CPA in a high tech company in the 1980s...



Fast Forward 25+ Years... "Anyone can now learn anything from anyone at any time."

SKILLSHARE LEARN TEACH

Learn anything from anyone, anywhere.



Join us! Start learning and discover unique classes in your city.

Mystery of MOOCs: Part I. Some MOOC news from the past year or two...



January 2013 MOOCs and the Collaboration Industry, Wainhouse Research Note, Analyst: Alan D. Greenberg



2008	2009 - 2010	2011	2012	2013 - 2017
First MOOC: Athabasca U & Canadian National Research Council (2,300+)	MOOCs slowly take hold: PLENK2010, DS106, University of the People, P2PU	Stanford Intro to AI MOOC (130,000)	Udacity, Coursera, edX (rebranded MIT program)	Big Name U, trial and error, best practices, business "remodeling," mainstreaming

Figure 1: A Short Recent History – and Prediction for the Future – of the MOOC

Learning is Changing...

(i.e., it's more informal, video-based,
ubiquitous, collaborative, self-directed,
global, mobile, open, massive, etc.)



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."

Learning is More Open

(80-Year-Old WGU Texas Grad Keeps His Promise,
November 30, 2012, Reeve Hamilton, Texas Tribune)

THE TEXAS TRIBUNE
An 80-Year-Old Graduate With an Online Marketing
Degree Kept His Promise



Learning is More Massive April 16, 2013 (NovoEd)

New MOOC Provider Says It Fosters Peer Interaction
Chronicle of Higher Education, Jake New
<http://www.chronicle.com>



Learn. Collaborate. Innovate.



Audience Polls #2:

- I. Has this open educ. movement changed your life?
- II. Who remembers what they were doing on 911?
- III. Who remembers what they were doing on 411?
- IV. Who remembers what they wore for Halloween?

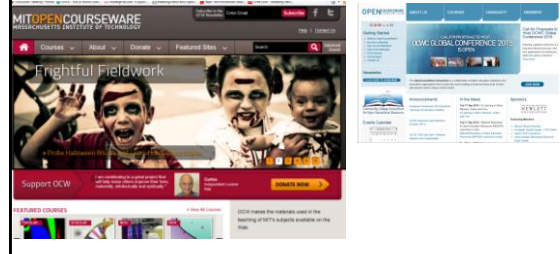


Charles Vest (April 4, 2001)

"This is about something bigger than MIT. I hope other universities will see us as educational leaders in this arena, and we very much hope that OpenCourseWare will draw other universities to do the same. We would be delighted if -- over time -- we have a world wide web of knowledge that raises the quality of learning -- and ultimately, the quality of life -- around the globe."



Fast Forward to October 2013 MIT OCW and the OpenCourseWare Consortium



MIT OpenCourseWare (OCW)

<http://ocw.mit.edu/index.htm>

OCW is accessed by a broadly international population of educators and learners. MIT OpenCourseWare averages 1 million visits each month, translates across 300,000 more visitors from more than 200 countries.

World Impact
 100% of OCW content is available in English, Spanish, and Chinese.

Our audience is divided among students, educators, and self-learners.

Category	Percentage
Students	43%
Educators	42%
Self-Learners	9%
Other	6%

MIT OpenCourseWare is being successfully used for a wide range of purposes.

October 28, 2013 Announcing MERLOT II: Multimedia Educational Resource for Learning and Online Teaching

<http://www.merlot.org/merlot/index.htm?action=find>

<http://www.youtube.com/watch?v=VYILIN6svD&feature=youtu.be>



October 30, 2013 Frankenstein's Manuscript Draws Its First Breath Online, Chronicle of Higher Education, Jennifer Howard

<http://chronicle.com/article/Frankenstein's-Manuscript/142701>

<http://shelleygodwinarchive.org/>

Frankenstein's Manuscript Draws Its First Breath Online

By Jennifer Howard

On Halloween night, a mob of scholars and readers will descend on the 3 Library, in Midtown Manhattan a nightmare. Their quarry: Frankenstein, decried up by the shores of Lake Geneva during summer of 1816, almost 200 years ago.

Shelley brought to life the stercoraceous Frankenstein and his creature that gnawed back and forth in his husband, the poet Percy Shelley's manuscript.

September 4, 2013 MOOC Course from Canvas "The Walking Dead" (UC Irvine)

<https://www.canvas.net/courses/the-walking-dead>

MOOCs Meet the Zombie Apocalypse

By Steve Kulkarni

How do you get thousands of people excited about an online course in math, physics, and public health that will not earn them formal credit or any kind of certificate?

September 16, 2013

Rwandan Degree Program Aims for a 'University in a Box', Chronicle of Higher Education, Megan O'Neil
<http://chronicle.com/article/Rwandan-Degree-Program-Aims/141631/>

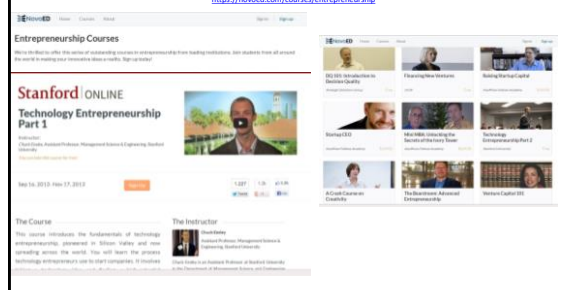


Students attend an orientation session at Kepler, a new hybrid program in Kigali, Rwanda, which will use MOOCs and classroom time to help students earn competency-based associate degrees.

August 19, 2013

Entrepreneurship Curriculum

NovoEd, Amin Saberi
<https://novosed.com/sources/entrepreneurship>



September 18, 2013

MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX, Steve Kolowich, Chronicle of HE

<http://chronicle.com/blog/wiredcampus/mit-will-offer-mooc-curricula-not-just-single-courses-on-edx/146715>

MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX
 September 18, 2013, 4:58 am
 By Steve Kolowich

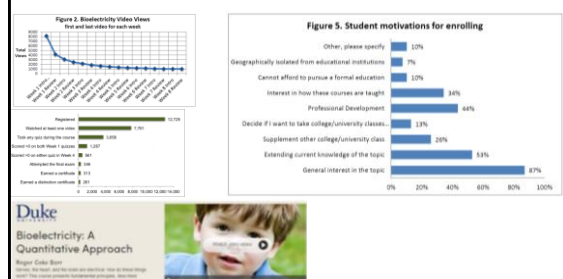


MOOC companies are hardly universities unto themselves, but now a provider wants to move beyond offering one-off courses. MITx, a division of the Massachusetts Institute of Technology that offers courses on the nonprofit edX's platform, announced on Tuesday that it would soon offer special certificates to students who completed a prescribed sequence of massive open online courses from MIT. The sequences will be called XSeries.



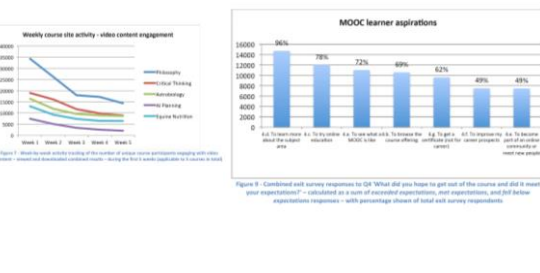
February 5, 2013

Bioelectricity: A Quantitative Approach, Duke University's First MOOC
http://dukespace.lib.duke.edu/dspace/bitstream/handle/10161/6216/Duke_Bioelectricity_MOOC_Fall2012.pdf



May 2013

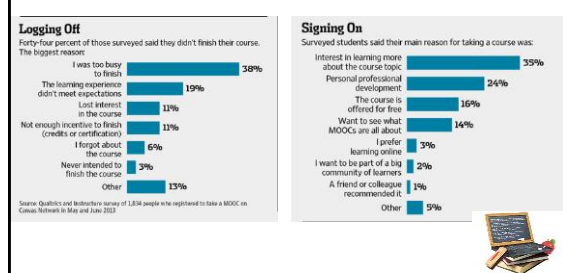
MOOCs @ Edinburgh 2013— Report #1



October 8, 2013

An Early Report Card on Massive Open Online Courses, Geoffrey A. Fowler, WSJ Online

http://online.wsj.com/article/SB10001424052702303726664579014668473872.html?mod=crisis_360MOOC&crisprn%3DarticleTab%3Dintroduction
http://online.wsj.com/article/SB10001424052702303726664579014668473872.html?mod=crisis_360MOOC&crisprn%3DarticleTab%3Dintroduction




October 31, 2013

U.S. Teams Up With Operator of Online Courses to Plan a Global Network, Tamar Lewin, NY Times

http://www.nytimes.com/2013/10/31/education/edtech/global-network-of-free-online-courses.html?_r=3&hp

From Seoul, South Korea, to La Paz, Mexico, Coursera is partnering with local institutions to create "Global Learning Hubs," the company announced Oct. 31.

The New York Times Education

U.S. Teams Up With Operator of Online Courses to Plan a Global Network

Coursera, a California-based venture that has enrolled five million students in its free online courses, announced on Thursday a partnership with the United States government to create "learning hubs" around the world where students can go to get better access to free courses supplemented by locally provided class discussion with local teachers or facilitators.

The learning hubs represent a new stage in the evolution of "massive open online courses," or MOOCs, and address two issues: the lack of reliable internet access in some countries, and

October 31, 2013

The launch of OERu: Towards free learning opportunities for all students worldwide, BC Campus (Canada)

<http://bccampus.ca/2013/10/31/the-launch-of-open-towards-free-learning-opportunities-for-all-students-worldwide/>

The launch of OERu: Towards free learning opportunities for all students worldwide

October 31, 2013

Imagine anyone in the world having access to a world-class education online for free, and getting credentials for it. With the launch of Open Educational Resources University (OERu) on November 1, that's exactly what is now possible. The launch is a significant milestone in higher education globally, and marks a transition from an international collaboration prototype to a sustainable, scalable program of accessible CERu study.



The official launch takes place at Thompson Rivers University in Kamloops, B.C. on Nov 1. [See how to participate](#) and interested parties are invited to Dr. Alan Stewart, President, Thompson Rivers University, Dr. John Daniels, Chair of United World College (UWC) will give the keynote address and officially "join the nation" to launch the OERu website.

"The OERu launch is an important milestone in the long campaign to make quality higher education more flexible and more accessible," says Dr. John Daniels. "Getting it established will be a slow process because the concept is so radical. However, centered at a moment when higher education is in crisis because of rising costs and high youth unemployment, the OERu initiative will form the basis of a radical, on-line and off-line, and not just a dream."

November 4, 2012

Udemy (professors create own courses) (e.g., "Planning Your Online Course")

<https://www.udemy.com/courses/>




Popular Courses

- Introduction to Python
- Foundations of Business
- Planning Your Online Course
- Introduction to Statistics
- Introduction to Machine Learning
- Introduction to Organic Chemistry
- Introduction to Data Science
- Introduction to Artificial Intelligence
- Introduction to Quantum Mechanics
- Introduction to Relativity
- Introduction to Cosmology
- Introduction to Astrophysics
- Introduction to Particle Physics
- Introduction to Nuclear Physics
- Introduction to Geophysics
- Introduction to Oceanography
- Introduction to Atmospheric Science
- Introduction to Environmental Science
- Introduction to Earth Science
- Introduction to Planetary Science
- Introduction to Solar System Science
- Introduction to Space Science
- Introduction to Astronomy
- Introduction to Cosmology
- Introduction to Astrophysics
- Introduction to Particle Physics
- Introduction to Nuclear Physics
- Introduction to Geophysics
- Introduction to Oceanography
- Introduction to Atmospheric Science
- Introduction to Environmental Science
- Introduction to Earth Science
- Introduction to Planetary Science
- Introduction to Solar System Science
- Introduction to Space Science
- Introduction to Astronomy

November 2, 2012

The Year of the MOOC, New York Times, Laura Pappano,

http://www.nytimes.com/2012/11/04/education/edtech/massive-open-online-courses-are-multiplying-at-a-rapid-pace.html?mc_cid=1234567890




Clockwise, from top left: an online course in circuits and electronics with an M.I.T. professor (edX); statistics, Stanford (Udacity); machine learning, Stanford (Coursera); organic chemistry, University of Illinois, Urbana (Coursera).

January 23, 2013: The Bush MOOC Party?

Academic Partnerships Launches MOOC2Degree Initiative

Free, Open Online Courses As A First Step Toward A Degree

<http://www.mooc2degree.com/>



MOOC2Degree can help you achieve your academic goals, going one step beyond MOOCs by online learning for free. Academic Partnerships is collaborating with many of its 40 public university partners to launch the MOOC2Degree initiative which provides you with free, open online courses that lead to academic credit as a first step toward your degree.

Give Job Bush
Federal Education Director

PROGRESSIVE BULL MOOSE PARTY

BULL MOOSE PARTY

February 27, 2013 (Inside HE)

Grade My Course (i.e., Yelp for Ed)

<http://www.grademycourse.com/>



Grade My Course

See what other course raters and reviews

Introductory Organic Chemistry Part 1

Jeff Moore

Difficulty: HARD

Workload: 10 HRS

0.2★ 0★ 0★ 0★ 0★ 0★ 0★ 0★ 0★ 0★

Jeffrey S. Moore, Nicholas M. Unswiller

University of Illinois at Urbana-Champaign

TBA (1 previous)

Go to official course page

July 16, 2013
"Golden Era of Learning"
Bill Gates Discusses MOOCs at Microsoft Research's Faculty Summit

http://chronicle.com/article/A-Conversation-With-Bill-Gates/132591?cid=at&utm_source=at&utm_medium=en



Bill Gates Discusses MOOCs at Microsoft Research's Faculty Summit


July 16, 2013, 9:01 am
By Sara Grossman

Bill Gates says that this is the "golden era" of learning, thanks to massive open online courses and easy access to information. The chairman of Microsoft gave the keynote address on Monday at Microsoft Research's faculty summit, an annual event that brings together Microsoft researchers and academics from more than 200 institutions for a one-day conference on current issues facing computer science.

May 6, 2013
Faculty Backlash Grows Against Online Partnerships
Chronicle of Higher Education, Steve Kolowich

<http://chronicle.com/article/Faculty-Backlash-Grows-Against/139049/>

May 6, 2013
Faculty Backlash Grows Against Online Partnerships



Michael Sandoz, a Harvard professor, taught an online course that San Jose State U. asked its philosophy professors to use in place of their own instruction. They said no.

By Steve Kolowich


June 19, 2013
2013 is "The Year of the Anti-MOOC"
George Siemens, UW-Madison Summit

<http://globalhighered.wordpress.com/european-mooc-in-global-context/>







Mystery of MOOCs:
Part II. 12 MOOC Leadership Principles



MOOC Leadership Principle #1:
Be First!
June 21, 2011 and August 2, 2011
Stanford U. Offers Free Online Course in Artificial Intelligence
 (over 160,000 enroll, 23,000 complete, and 238 perfect scores; <http://www.ai-class.com/>)





U. of Illinois at Springfield Offers New "Massive Open Online Course"



Stanford U. Offers Free Online Course in Artificial Intelligence

MOOC Leadership Principle #2:
Take Risks
January 23, 2012, Udacity- Sebastian Thrun
<http://www.udacity.com/>





August 18, 2013

Virtual U: Master's Degree Is New Frontier of Study Online

Tamar Lewin, The New York Times

http://www.nytimes.com/2013/08/18/education/masters-degree-is-new-frontier-of-study-online.html?_r=0

The New York Times
Master's Degree Is New Frontier of Study Online

MOOC Leadership Principle #3: Rethink Delivery, Assessment, Certification, Students, etc.

MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX, Steve Kolowich, Chronicle of HE

(September 18, 2013)

<http://chronicle.com/blogs/international/mit-will-offer-mooc-curricula-not-just-single-courses-on-edx/46715>

MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX
Steve Kolowich

MOOC Leadership Principle #4: Form Strategic Relationships

April 18 and Sept 19, 2012: Coursera

<https://www.coursera.org/>

Coursera's Institutional MOOC Partners

- Original Member
- New Member

Coursera's Recent Partners:

- Benha College of Minia
- Brown University
- Columbia University
- Hebrew University of Jerusalem
- Hong Kong University of Science and Technology
- Miami School of Medicine
- Ohio State University
- University of British Columbia
- University of California at Irvine
- University of Florida
- University of London
- University of Maryland
- University of Melbourne
- University of Pittsburgh
- Vanderbilt University
- Wesleyan University

Partners on map: École Polytechnique Fédérale de Lausanne (Switzerland), U. of Edinburgh (UK)

Source: Coursera
Designed by Lauren Roupas

Google and edX Create a MOOC Site for the Rest of Us, Steve Kolowich, September 10, 2013

http://chronicle.com/blogs/international/google-and-edx-create-a-mooc-site-for-the-rest-of-us/46137?cid=partners_source=partners_mediumpost

Google and edX Create a MOOC Site for the Rest of Us

September 10, 2013, 3:28 pm

By Steve Kolowich

Until now, massive open online courses have mostly reinforced existing hierarchies in higher education. MOOC providers have recruited elite institutions and offered them and their professors the opportunity to broadcast their courses to the world.

But now edX, a nonprofit provider founded by Harvard University and the Massachusetts Institute of Technology, is joining forces with Google to create a spinoff Web site where ordinary folks—and professors at colleges that have not been invited to join high-profile MOOC consortiums—can not only sign up for a MOOC but also build one themselves.

Coursera List of Courses National Taiwan University

<https://www.coursera.org/taiwan>

National Taiwan University

- University of Washington: Introduction to Business Management in Taiwan (Aug 2012)
- University of Washington: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)
- National Taiwan University: Introduction to Business Management in Taiwan (Aug 2012)

December 13, 2012

UK universities in online launch to challenge US, BBC News, Sean Coughlan

<http://www.bbc.co.uk/news/education-20697392>

UK universities in online launch to challenge US

By Sean Coughlan
BBC News education correspondent

Coughlan is among the UK universities joining the digital debate.



A partnership of UK universities is launching an online project, challenging US universities that have dominated this emerging market.

They will seek to give the public access to higher education courses via computers, tablets, or smartphones.

The Open University's Martin Bean says UK universities cannot "stick their head in the sand"

MOOC Leadership Principle #5: Collect Testimonials

June 11, 2012
<http://chronicle.com/article/5-Professors-Discuss-Teaching/132125/>

Krissa Swain, of Knoxville, Tenn., is taking "Operations Management" online to help develop her management skills.

Rajeev Bajpai, an airline pilot based in Mumbai, took an online computer-science course to gain programming skills.

August 5, 2013

MOOC at UPenn; Recession Fuels Explosion of Online Learning, Peter Struck, Professor, UPenn, Mythology class to 54,000 students, AOL News, 1:33 minutes

Video: <http://on.aol.com/video/recession-fuels-explosion-of-online-learning-517885097>





Inside a MOOC in Progress
 June 21, 2013, 12:00 am
 By Karen Hood


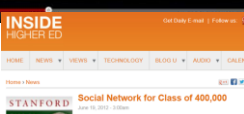


MOOC Leadership Principle #6: Set Bold (i.e., Audacious) Goals

June 18, 2012
http://www.openculture.com/2012/06/udacity_to_launch_5_new_classes.html



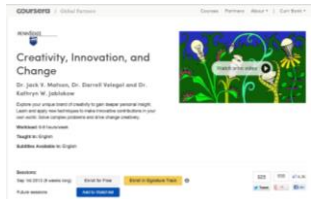


September 9, 2013


Creativity MOOC Draw 120,000 Students (Penn State), Campus Technology, Leila Meyer 3 Student Profiles: Adventurers (committed); Tourists (pick and choose); and Explorers (in between)


Dr. Jack V. Matson, Dr. Darrell Velegol and Dr. Kathryn W. Jablokow, Penn State University, Coursera



MOOC Leadership Principle #7: Generate Media Attention

June 25, 2012
<http://www.forbes.com/sites/georgeanders/2012/06/05/udacity-sebastian-thrun-disrupting-higher-education/>





MOOC Leadership Principle #8: Build on Strengths and Niche Areas

July 2, 2012
<http://lifehacker.com/5922804/sign-up-for-google-power-searching-online-course-to-boost-your-google-fu>





July 23, 2012
Coursera course on Internet History, Technology, and Security, Chuck Severance 42,000+ sign up...
<http://www.youtube.com/watch?v=JzNHvmSv8TI>

MOOC Leadership Principle #9: Be Proactive in Addressing Concerns
August 16 & September 6, 2012
<http://chronicle.com/article/Dozens-of-Plagiarism-Incidents/131697/>

edX Offers Proctored Exams for Open Online Course
 September 6, 2012 3:11 pm
 By Marc Parry

Students enrolled in a free open online course offered through edX will now have the option of getting their learning validated with a proctored final exam, under a new program announced today.

MOOC Leadership Principle #10: Give Something Away
July 11, 2013, Blackboard Goes MOOC Inside Higher Ed, Rv Rivard

Blackboard Goes MOOC
 July 11, 2013
 Last updated: After a year building the base and testing out when it comes to creating 21 classes, Blackboard announced it would offer a new MOOC platform.

Blackboard Announces New MOOC Platform
 July 10, 2013 9:49 am
 By Arjit K. Dey

Las Vegas — Blackboard, a company that makes software that many colleges use to run their classroom and online courses, announced on Wednesday that it was expanding its support for MOOCs.

November 4, 2013
With Open Platform, Stanford Seeks to Reclaim MOOC Brand, Steve Kolowich, Chronicle of Higher Education,
http://chronicle.com/article/With-Open-Platform-Stanford-Is-Set-to-Recapture-MOOC-Brand/142753?cid=source-at-hum_medium-us

John Mitchell is Stanford's vice provost for online learning, in charge of a team of engineers, course designers, data researchers, and others who are using the open-source platform Open edX to build and study MOOCs.

April 27, 2012
Introduction to Blackboard/CourseSites MOOC, With Dr. Curt Bonk: "Instructional Ideas and Technology Tools for Online Success" (4,039 now enrolled)
<http://www.youtube.com/watch?v=rBNe8CuePTQ&feature=youtu.be>

MOOC Leadership Principle #11: Locate New Markets
Coursea Snags \$43-Million in Venture Capital, Chronicle of Higher Education, Steve Kolowich, July 10, 2013
http://chronicle.com/blog/wiredcampus/mooc-company-snags-43-million-in-venture-capital/14667?cid=source-at-hum_medium-us

MOOC Leadership Principle #12: Find Your Element

UW-Madison to expand distance learning with Massive Open Online Courses, Kari Knutson, University of Wisconsin-Madison News
http://www.news.wisc.edu/21520?utm_source=UWMadison_medium=email&utm_campaign=UW2013-02-21

Mystery of MOOCs: Part III. 4 Types of MOOCs

MOOC Type #1. Theory- or Trend-Driven MOOC

MOOC Type #2. Remedial Course MOOC

MOOC Type #3. Degree or Program Qualifier or System Bottleneck MOOC

MOOC Type #4. Professional Development (PD) (practical) MOOC

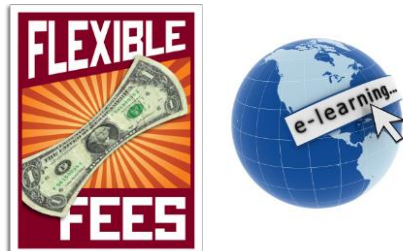
Mystery of MOOCs: Part IV. Seven MOOC Business Plans and Models



MOOC Business Model #1. Advertisers Underwrite Courses and Degrees



MOOC Business Model #2. Small and Flexible Application or Enrollment Fee



MOOC Business Model #3. Course Assessment Fee



MOOC Business Model #4. Certificate Fee (with sticker)

<https://twitter.com/drchuck/status/262423228717355009/photo/1>



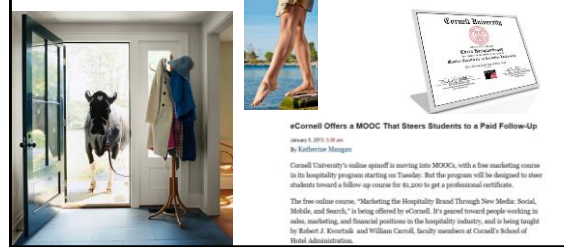
MOOC Business Model #5. Enhanced Course Fee and Option for University Credit (full price)



MOOC Business Model #6.
Percent of First Year Salary
 (companies pay for names and contact info of high performers)



MOOC Business Model #7.
Free Entryway Course



Mystery of MOOCs:
Part V. 7 MOOC Instructor Guidelines



Audience Poll #3:
 Have you taught a MOOC before?
 Have you ever taken a MOOC as a student?
 Have you ever browsed a MOOC?

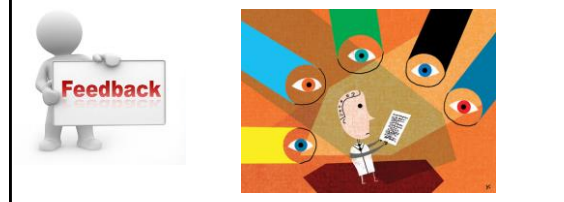
- A. Yes
- B. No





MOOC Instructor Guide #1.
Plan and Prepare



MOOC Guide #2.
 Use Peer, Machine, Volunteer, and Self-Assessment (designate feedback providers)




MOOC Guide #3. Personalize Where Possible!

PERSONALIZE IT

MOOC Guide #4. Form Groups and Social Supports



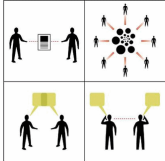
WIRED CAMPUS
The latest news on tech and education.

MOOC Students Who Got Offline Help Scored Higher, Study Finds
June 1, 2013, 9:58 am
By Steve Kobaczki

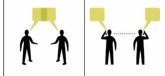
One of the first things researchers have learned about student success in massive open online courses is that in person, one-on-one teaching still matters.

MOOC Guide #5. Combine Sync and Async Instruction


Different Time (asynchronous)




Same Time (synchronous)




Same Place (in person)



Different Place (online)





MOOC Guide #6. Offer Weekly Recaps and Share Resources


Let's Recap




MOOC Guide #7. Involve the Participants (e.g., use Polling Questions)

Poll #1:
What is your biggest gain from this course?

- A. Online teaching strategies
- B. Online teaching models
- C. Useful resources and tools
- D. New friends and connections
- E. Self-confidence






Mystery of MOOCs: Part VI. Research on MOOCs and OER

MOOCs rising

Over little more than a year, Coursera in Mountain View, California – the largest of three companies developing and hosting massive open online courses (MOOCs) – has introduced 328 different courses from 62 universities in 17 countries (left). The platform's 2.9-million registered users come from more than 220 countries (center). And courses span subjects as diverse as pre-calculus, equine nutrition and introductory jazz improvisation (right).

Supply and demand



Student origins

27.2%	United States
8.8%	India
8.1%	Brazil
4.4%	United Kingdom
4%	Spain
4.1%	Rest of world
3.6%	Canada
2.3%	Australia
2.3%	France

Courses offered

30%	Science
19%	Business
6%	Mathematics
2%	Information Technology
2%	Arts and Humanities

Study #1.

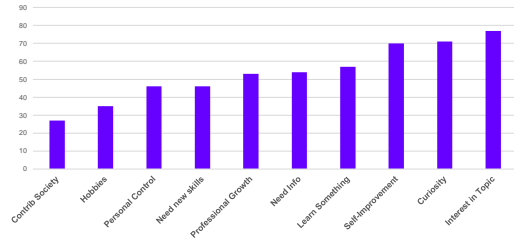
MIT OpenCourseWare (OCW) Study

■ E-newsletter subscription 156,000 people

- 1,429 completed surveys
 - ◆ 613 completed open ended items
- 50% over age 40
- 76% males
- North America (44 percent); Asia (23 percent); Europe (14 percent); South America (10 percent); Middle East (3 percent); Oz (2 percent).
 - ◆ Top countries in the MIT OCW subscriber list were the United States, India, China, Brazil, Nigeria, Pakistan, Iran, Canada, the UK, Taiwan, Indonesia, Mexico, and Egypt.

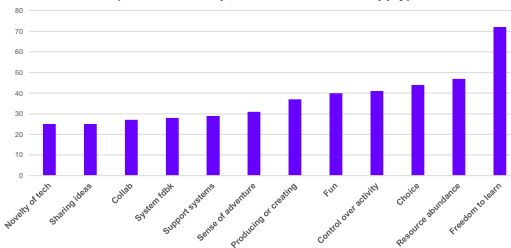
Reasons to explore?

Main Reason Explore the Web Informally to Learn
(MIT OCW Group; Note: Check all that apply)



Factors leading to success or personal change?

Factors Leading to Success or Personal Change When Exploring Online
(MIT OCW Group; Note: Check all that apply)



MIT Data:

Self-Taught on Social Media

(21-30 year old unemployed female, North America)

At first my purpose was to fulfill boredom ...After graduating with a MS, I was faced with unemployment. I took the opportunity to read blogs, watch Youtube videos, and more to learn about blogging and social media. Since then I have become well versed in social media and other business topics and started a business... I decided not to pursue a PHD because I am learning a more rapid pace. Instead of spending 5 years in school, I can be flexible and work on what I am learning.



MIT Data:

Prepares to Reenter University (41-50 year old male, Middle East)

Most interesting experience of my own was my use of MIT OCW to refresh on Calculus. I purchased the textbook and followed one of several calculus options on the site. This was quite successful in re-introducing Calculus, as a prep to re-entering college 28 years after graduation - this time to study for a Master's.

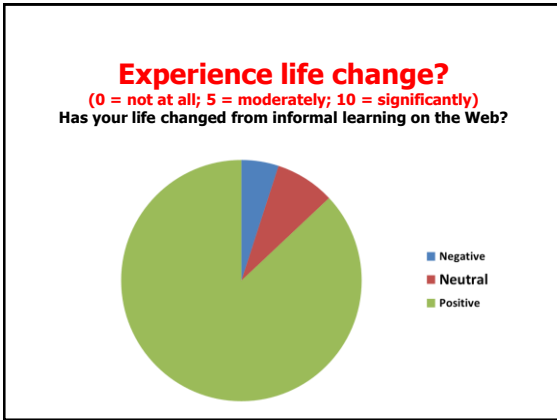
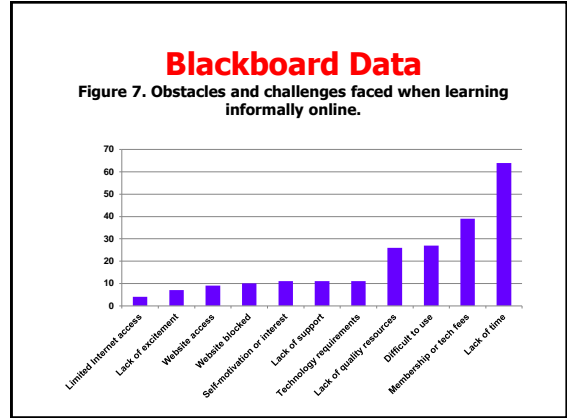
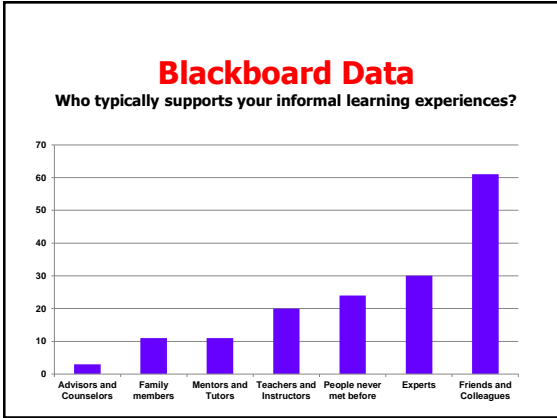


Study #2.

Blackboard (CourseSites) MOOC

<http://events.blackboard.com/open>





Life Changing Example

It has made my job much easier and it's been easier for me to execute certain tasks, **making me more willing to take on bigger challenges.** It was also shown me how enjoyable it is to learn a computer language. **It opened my mind** to considering possibilities in this area. It also **made my husband respect my ability** around computers a bit more.

Life Changing Example

My life has changed in a big way. I used these new skills to create a small business that supplements my income. I couldn't use this income solely to support myself, but it does pay some bills.

We thank you for attending!

Slides at: TrainingShare.com
Papers: PublicationShare.com
Books: <http://worldisopen.com/>
Email: curt@worldisopen.com
cjbok@indiana.edu