Through a MOOC, Darkly: Understanding the MOOC Landscape and Its Impact on Libraries' Digital Resources

Curtis Kendrick

Irene Gashurov

Sponsored by ALCTS
Association for Library Collection & Technical Services
Curtis Kendrick

University Dean for Libraries and Information Resources at the City University of New York
Irene Gashurov

Communications Writer in
CUNY’s Office of Library Services
“Our best hope” for making quality education affordable.

— John Hennessy, President of Stanford
We were witnessing the end of education as we know it—that MOOCs would replace higher education

— Northeastern University President John Aoun
Income Disparity

College vs High School Grads

Median Annual Income

$28,000 ($45,500)
Students enrolled in postsecondary education

UNESCO Report

100 million in 2000
150 million in 2010
250 million in 2025

SOURCE: A Report prepared for the UNESCO 2009 World Conference on Higher Education
That means three new colleges every week for the next twelve years.
That means three new colleges every week for the next twelve years.
Unfilled jobs stifle growth
William Bennett says that Americans considering a higher degree should look at college as a business proposition.
“The tsunami is not technology. It’s the dramatic shift in student demographics.”

John Aoun, president, Northeastern University
So what does the future hold for our greatest universities?

Some will survive. Most will evolve.

— Clayton Christensen
(as quoted in Business Insider)
Online learning – an engine of economic growth
In 2013, there were 7.1 million students enrolled in at least one online course.

SOURCE: Babson Online Learning Survey
Introducing new technology is one way to disrupt higher learning.
Competency-based education
Open Learning Initiative
MOOC

Course

Impact

Humanities Scholar

Design

Sciences

Engineering

Test

Exam

Massive

Open

University

College

Exams

Syllabus

Chemistry

Biology

Physics

Social

Education

Instructional

Teaching

Instructor

Faculty

Academic

Coursera

EdX

Higher

Vadacity

Student
The unbundling of education

The Five Services Performed by Traditional Universities

- Imparting Information
- Counseling
- Credentialing
- Coercion
- Club Membership

MOOC, course, online, university, college, sciences, engineering, test, university, open, edx, Coursera, Massive, syllabus, chemistry, biology, humanities, scholar, impact, design, lecture, higher, edX, instructor, faculty, academic, teacher, instructional, students, physics, computer, syllabus
Jeffrey Sachs on sustainable development for Coursera
Build your own education plan
MOOCs Business Models

SOURCE: Chronicle of Higher Education
Only 5% of institutions of higher education now offer MOOCs; another 9% have them in the planning stage.

SOURCE: Babson Group Survey
ONLINE MASTER OF SCIENCE IN COMPUTER SCIENCE

Offered in collaboration with Udacity and AT&T
Anant Agarwal
Founder, edX
MOOCs have increased access to higher learning, but not for every population group.
Digital Badges

Mozilla's Open Badges infrastructure makes it easy to issue, display and manage badges across the web -- opening new ways to show your skills and achievements to the world.

Open Badges is a project of Mozilla with support from the MacArthur Foundation.
So where do libraries come in?
Are MOOCs a threat to intellectual property?
Matthew Dames
Interim Dean of Libraries at Syracuse University
“I couldn’t have done it without my librarian”
Hiring techies outside the profession
“I couldn’t have done it without my librarian”
Environmental Scan and Assessment of OERs, MOOCs and Libraries:

What Effectiveness and Sustainability Means for Libraries’ Impact on Open Education

Carmen Kazakoff-Lane
Libraries must develop new licensing model to safely open their resources
Remote User Authentication in Libraries
Redesigning the library space

And we redesigned the library space to bring people in, to foster teamwork, to take advantage of the kind of unstructured transactions on which the online world already relies.
Future Libraries

Source: from “Collaboration for Hard Times” in Library Journal
“In times of change learners inherit the earth; while the learned find themselves beautifully equipped to deal with a world that no longer exists.”

— Eric Hoffer
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