How MOOCs Boost Student Mobility and Increase Cross-Institutional Programmes

Professor Mark Brown
Director, National Institute for Digital Learning

@mbrownz
31st January 2017
How can you strategically invest in online learning to boost student mobility and increase cross-institutional programmes?
Dublin, Ireland
• Hosted National Centre for Distance Education
• OSCAIL Early Adopter of Online Learning
• 2013 Launched New National Institute…
National Institute for Digital Learning
A World-Class Irish Education Online

http://www.dcu.ie/online
Whether you live in Sligo, Seville or Shanghai, DCU Connected provides access to world-class online education, international expertise and locally relevant courses designed to meet your needs.
Whether you live in Sligo, Seville or Shanghai, DCU Connected provides access to world-class online education, international expertise and locally relevant courses designed to meet your learning goals.
DCU has a number of strategic partners. These partnerships provide a key point of difference to DCU Connected as they help to extend the range of study options. We expect to expand the number of these partnerships over the next year or so, although at DCU we are very particular about who we choose to partner with as we will not compromise on our reputation for academic excellence.
Announcing Global Freshman Academy

Start your freshman year of university on edX

EdX has partnered with Arizona State University to create Global Freshman Academy, a first of its kind collaboration that offers full university freshman level courses for credit. The partnership was established to provide quality higher education opportunities to anyone, anywhere in the world.

#CollegeMyWay

WHY GLOBAL FRESHMAN ACADEMY?

Accessible  Cost-effective  Personalized
Algorithms 101
Greenbelt University
This course focuses on the fundamentals of computer algorithms, emphasizing methods useful in practice.

Introduction to Probability Theory
ACS College
What is Probability Theory? Why does the casino bank normally win?

Introduction to Chemistry
Greenbelt University
Chemistry is one of the central physical sciences.

Botany 101
Greenbelt University
Botany is the study of plants as they are particularly interesting subjects for the study of evolution and physiology.
MOOCs for student mobility…

1. Why

2. A Small Example

3. A Really Big Example
“If MOOCs are the future solution for increased student mobility, then what is the problem?”
1. Why
1. Why
Trump's latest executive order: Banning people from 7 countries and more

By Jeremy Diamond, CNN

1. Why

Smart Move?
The shift in global migration

One of the most significant demographic trends today is global migration's rapid rise, as seen in Figure 1. Today, 244 million people live outside their birth countries—three times the rate in 1960. The migrant population would rank as the fifth largest country in the world.

Figure 1

Total Migrant Estimates
1960-2015

Source: Pew Research Center analysis of United Nations data

1. Why
NATIONS WITH THE LARGEST NUMBER OF INTERNATIONAL MIGRANTS IN 2015

There are 165 million more migrants today than there were in 1960.

1. United States
2. Germany
3. Russia
4. Saudi Arabia
5. United Kingdom
6. United Arab Emirates
7. Canada
8. France
9. Australia
10. Spain

1. Why
Figure 2 The working-age share of the global population is estimated to have peaked in 2012 and the elderly account for larger shares of the population.

Global population shares by age cohort (percent)
Ages 15-64 on left axis, Ages 0-14 and 65+ on right axis


1. Why
Nations fight global war for talent

Malaysia and many other countries aim to entice skilled nationals back home to help meet their development goals
Migration can cause significant social and political tension, but analysts also see ways that it can offer many benefits to nations seeking to balance age and labor force needs, and expand education, economic integration, and cultural sharing.
1. Why
## Table A7.3b. Private costs and benefits for a woman attaining tertiary education (2011)

*As compared with a woman attaining upper secondary or post-secondary non-tertiary education, in equivalent USD converted using PPPs for GDP*

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1. **Why**
$1 TRILLION IN STUDENT DEBT
$1 TRILLION CAN...

- CAN PAY FOR ALL THE GOODS & SERVICES PRODUCED IN AUSTRALIA IN ONE YEAR.
- CAN BUY A $3 LATTE EVERYDAY FOR 900 MILLION YEARS.
- CAN PAY FOR AN ADDITIONAL 11 WEEKS VACATION FOR EVERY AMERICAN WORKER.
- CAN PAY THE RENT FOR EVERY RENTER IN THE US FOR 3 YEARS OR THE MORTGAGES OF EVERY HOMEOWNER FOR 14 MONTHS.

WHY IS THIS NUMBER SO RIDICULOUS? BECAUSE IT HAS TO COME FROM OUR POCKETS.

CREDIT: ONE TRILLION DOLLARS VISUALIZED FROM RENT.COM

1. Why

Third person arrested in New Zealand for not paying back student loan

Approximately 90 per cent of the NZ $1.07bn (£588 million) that has been borrowed is owed by people living overseas.
If earning a degree is one of your dreams, we can help you get there.

We know more than 70% of our U.S. partners (employees) are students or aspiring students. We want to help. Supporting our partners’ ambitions is the very best investment Starbucks can make.

**College Achievement Plan**

In a first of its kind collaboration with Arizona State University, we’re offering all part- and full-time benefits eligible U.S. partners full tuition coverage for every year of college to earn a bachelor’s degree. Partners receive support from a dedicated team of coaches and advisors, 24/7 tutoring on a variety of subjects, and a choice of more than 50 undergraduate degrees through ASU’s research driven and top-ranked program, delivered online.

Learn more about How It Works

Frequently Asked Questions

**Become a Partner**

The Starbucks College Achievement Plan is just one way we’re committed to the success of our partners. From growing as a person, as a partner, in your career and in your community – the opportunity is here for you to shape and make your own. That’s why when you **launch a career** inspired by human connection and the opportunity to become your personal best, the possibilities are endless.

Work in Our Stores

Work in Our Corporate Offices

Work with one of Our Brands

**I’m a Starbucks Partner & I want #tobeincollege**

Have questions about the Starbucks College Achievement Plan? Ready to sign up? You’re in the right place.

Get Started Today

**Learn about ASU Online**

ASU is among the most forward-looking universities in the country providing a high-quality education taught by top-ranked faculty.
1. Why

Education at a Glance…

Global Demand for Higher Education

Total Number of Students Participating in Higher Education Worldwide

28 million
1970

165 million
2009

262 million
2025
(forecast)


The publication covers educational data spanning 34 OECD countries as well as the following non-OECD states:
Brazil, Russia, Argentina, China, Colombia, India, Indonesia, Latvia, Saudi Arabia, and South Africa
Education at a Glance…

Internationalization of Higher Education

Total Number of International Students Worldwide

- 1M 1980
- 1.3M 1990
- 2.1M 2000
- 4.1M 2010
- 4.8M 2014
- 8M (forecast) 2025


The publication covers educational data spanning 34 OECD countries as well as the following non-OECD states: Brazil, Russia, Argentina, China, Colombia, India, Indonesia, Latvia, Saudi Arabia, and South Africa.

1. Why

1. Why
1. Why

71% outside

71% of students come from outside the U.S. and India is the second largest national group. edX has students in every country.

(Heinlein, 2015)
Delivering education and skills to meet the needs of the world’s one billion students in 2025

Analysis from Deloitte Access Economics estimates that the world of 2025 will have over one billion students actively seeking education and skills.

Based on these projections, the onshore sector may be capable of increasing from nearly 500,000 students today to 720,000 by 2025 – a compounding annual growth of 3.8%. In a high market-share scenario, these numbers could almost double to nearly 990,000 by 2025. Beyond this, in the relatively untapped borderless skills market of in-market, online and blended delivery – there are projected to be in excess of one billion students around the world.

The traditional concept of the student will not reflect the world of 2025. Learning increasingly takes place in a variety of environments, with emphasis on different relationships and interactions to develop skills and knowledge. A much wider range of players that includes technology, teachers, peers, employers, and course and curriculum development experts enable this experience. The 2025 student will increasingly include our traditional view of a student but also individuals seeking learning through on-the-job skills development, executive education and development, and recreational learners who are seeking to build their own skills while on holiday or as part of their leisure time.

1. Why
THE WORLD NEEDS ALMOST 69 MILLION NEW TEACHERS TO REACH THE 2030 EDUCATION GOALS

UIS FACT SHEET

On World Teachers’ Day (5 October), the UNESCO Institute for Statistics (UIS) has released the first-ever estimates of how many teachers are needed to achieve Sustainable Development Goal 4 (SDG 4), which aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. In the next 14 years, countries must recruit 68.8 million teachers to provide every child with primary and secondary education: 24.4 million primary school teachers and 44.4 million secondary school teachers. The data are available via the UNESCO eAtlas of Teachers, which features interactive maps and charts that can be shared and downloaded at http://on.unesco.org/teachers-map

MASSIVE TEACHER SHORTAGES AT THE PRIMARY AND SECONDARY LEVELS

The international education community has pledged to achieve universal primary and secondary education by 2030 as part of Sustainable Development Goal 4 (SDG 4). However, about 263 million children and youth are out of school, according to recent UIS data. This includes 25 million children of primary school age who will probably never set foot in a classroom, while just 14% of youth complete upper secondary education in low-income countries. Clearly, SDG 4 demands a seismic shift in the provision and quality of education and teachers.

1. Why
“It will not be possible to satisfy the rising demand for Higher Education, especially in developing countries, by relying on traditional approaches.”

(Sir John Daniel, 2013)

Past President, Commonwealth of Learning; Previous Vice-Chancellor, UK Open University

1. Why
Dublin City University

Dublin City University (DCU) has forged a reputation as Ireland's University of Enterprise. DCU is a young, dynamic and ambitious university, which is the fastest growing in Ireland, with a distinctive mission to transform lives and societies through education, research and innovation.

As a QS Top 50 Under 50 University, DCU is recognised around the world for its academic excellence, innovation and commitment to providing students with a challenging, high quality, digitally rich 21st Century learning experience.

DCU is also unambiguous in its commitment to equity of access and shaping the future of higher education both nationally and internationally through new and distinctive models of teaching and learning.

To this end, building on a long history of innovation and leadership in the use of technology in education, DCU hosts the National Institute for Digital Learning (NIDL). The University also offers a growing number of online degree programmes through DCU Connected and has established Ireland's Open Learning Academy with a growing suite of online short courses to promote access to new pathways for life-long learning.

2. A small example
Head Start Online

What is it about?
Have you ever considered studying as a part-time or online learner? Do you have commitments in your life that would preclude you from studying on a full-time, campus-based course? Have you already decided to study, and want to know how to best prepare yourself?

Head Start Online is a free course for anyone who is thinking about starting a higher or continuing education course as a part-time or online learner.

Many people who want to study cannot do so by attending a full-time course that requires a lot of attendance on-campus. The reality is that people have busy lives where you have to balance work, social and family commitments. Learning part-time or online is one way to help fit study around your lifestyle. However, this more flexible approach to study is not for everyone. This course offers a taste of what is involved as an online learner.

What is Head Start Online?

What will I learn?
On completion of this course you will:

* Decide if part-time or online higher education is for you
* Know how much time you have for study
* Identify your potential sources of support
* Be aware of the skills needed to be successful

Whether you are trying to figure out if you are ready to start a higher education course, or you just want to know how to best prepare yourself for part-time or online study, then this course is for you.

On completion of this course you will:

http://www.dcu.ie/academy

2. A small example
2. A small example
Figure 17.1 Graduation rates at distance education and conventional institutions.


2. A small example
2. A small example
2. A small example
2. A small example
Question 1

As far as deciding on studying, or not, and what subject to study, I most want from this five-week course is for it to previously studied at higher education level (college, university, etc.).

There are time consuming areas in my life that I will need to manage along with my studies. In terms of the 'big two', work and family, I and . Also about me: I identify my gender as and my age is in the range.
Am I Ready for Study?

1. Do you have previous successful experience of studying through a higher education institution?

   - YES
   - NO

2. Have you had any recent experience of flexible learning, including undertaking a free online short course?

   - YES
   - NO

3. Are you familiar with the requirements of your intended programme of study?

2. A small example
Am I Ready for Study?

Your Feedback for "Study Experience"

1. Your previous experience should be a great help. Having an idea of what further study involves and how to go about it should help to get you off to a good start.

2. You might like to consider registering for a free online short course or MOOC in an area of interest as this may give you a better sense of what it’s like to be a flexible learner.

3. It’s good that you’ve already sought information about your intended programme of study. Knowing the requirements is really important before you make any commitment.

“I found completing a MOOC helped to give me a better idea of what further study might involve.”

Resources
There are links to suitable resources to help you “Get Ready to Study” at the end of the overall questionnaire.
Am I Ready for Study?

**Overall readiness**

*Here* is an overall summary of your results. You can read this summary and all of your feedback by hitting on the **DOWNLOAD** button. Please give us your feedback on the usefulness of this tool by clicking on the **RATE** button.

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**Summary**

You have something to think about! In some areas you’re reasonably well placed to take on the challenge of further study but you could do more to enhance your readiness. Explore the resource links on this page and review all of your responses to see where you could enhance your ability to succeed before taking the next step. It may even be better to defer your study plans until your personal circumstances change. But don’t give up on the idea and talk to someone at your preferred institution if you want further advice.

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2. A small example
Do I have Enough Time?

Allocate Your Time

- Available time: 3 hours
- Work: 48 hours
- Family: 26 hours
- Household: 20 hours
- Hobbies: 14 hours
- Leisure: 18 hours
- Sleep: 39 hours

Your Results

Here is an overall summary of your results for a typical week. Included is the amount of 'Available time' you have available for study each week.

168 - 165 = 3

Hours per week: 168
Hours of activities: 165
Available time: 3

Your Time

Some of your available time may be taken up with illness, family emergencies or unexpected events. Click "NEXT" for more detailed feedback on the amount of study time you have available according to your circumstances.

NEXT

2. A small example
Do I have Enough Time?

Detailed feedback...

You're just managing to fit all your activities in, with only a few hours left to spare. You're likely to need more free time to successfully undertake study. Discuss ways of freeing up time with your family. Keep in mind you'll have busy periods around assignments, tests and exams. Some weeks will be busier than others. While most courses are designed to require a minimum number of hours to complete, the actual time you need will vary. If you decide to continue, then before registering for your course we strongly encourage you to talk with the staff and check the requirements for the particular programme of study before going any further.

Student comments...

"It was essential that my boss, partner and family were supportive to help me free up more time for study"

— Student from DCU

2. A small example
Who Can I Ask?

Click a question

- I am not sure I will be able for this course
- I am struggling with the technology on this course
- I have no idea how to go about writing an assignment.
- My assignment is due next week and I’m not sure what I’ve written is ok.
- I have to work overtime unexpectedly so I just won’t get my assignment done on time.

view answers from:

- My Friends
- My Family
- My Employer
- My University
- Other Students
- Others
- Me
Study Tips for Me

2. A small example
Where Will You Study?

On the virtual noticeboard in this activity you can show a photo of the study space, room, oil rig etc. where you are viewing the course.

Tip: The easiest way to do this, once you have clicked on the pink button (circle with the plus symbol), is to give your name in the ‘title’ area and then click the row of symbols to upload your photo (or audio/video clip if you like).

2. A small example
I feel more ready to become a flexible learner after taking this course

- Strongly disagree
- Disagree
- Undecided
- Agree
- Strongly agree

2. A small example
Dublin City University designated as a University of Sanctuary

Dublin City University has been designated as a “University of Sanctuary” in recognition of a range of initiatives demonstrating commitment to welcoming asylum seekers and refugees into the university community and to fostering a culture of inclusion for all.

2. A small example
3. A really big example
Running
to catch a
moving train...

3. A really big example
“Online learning (MOOCs) should be in the service of big ideas, not as a big idea in itself”

(adapted from Barnett, 2011).

3. A really big example
Gain expertise in the growing field of Supply Chain Management through an innovative online program consisting of five courses and a final capstone exam. The MicroMasters in Supply Chain from MIT is an advanced, professional, graduate-level foundation in Supply Chain Management. It represents the equivalent of 1 semester's worth of coursework at MIT.

The MicroMaster's Credential will showcase your understanding of supply chain analytics, design, technology, dynamics and end to end supply chain management. Build on the credential and take advantage of a great opportunity to be accepted into the #1 ranked supply chain management Masters Degree program for a fraction of the cost.

### Program Details

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3. A really big example
Six universities around the world are developing a MOOC credit transfer system that would enable students to gain credit towards their degrees from online courses at other institutions.
uWOLA…

University Worldwide Online Learning Alliance

A World-Class Online Education, Wherever You Are

3. A really big example
The Alliance…

• 10 universities
• Established leaders
• No more than two in each country
• Opening access is core to mission
• 25+ year history of flexible delivery
• Ranked in the top 500 universities
• Most in the top 100 under 50 years
• Strong track record of student success

3. A really big example
USPs...

- Glocal brand
- Single portal
- Agent network
- Innovation
- Joint research
- Strategic leadership
- MOOCs
- Scholarships
- Credit transfer
- First-year online
- Joint programmes
- Internationalisation

3. A really big example

Try LinkedIn Learning free for one month.

Start my free month

Learn in-demand skills with LinkedIn Learning

uWOLLA

Personalized Recommendations
Know the skills that are in-demand based on your experience.

On Your Schedule
Access courses from your computer or mobile device - anytime, anywhere.

3. A really big example
Conclusion...
Conclusion...

Student mobility and cross-institutional partnerships have many different faces
“If MOOCs are the future solution for increased student mobility, then what is the problem?”
Just 8 men own same wealth as half the world

Published: 16 January 2017

Eight men own the same wealth as the 3.6 billion people who make up the poorest half of humanity, according to a new report published by Oxfam today to mark the annual meeting of political and business leaders in Davos.

Oxfam’s report, ‘An economy for the 99 percent’, shows that the gap between rich and poor is far greater than had been feared. It details how big business and the super-rich are fuelling the inequality crisis by dodging taxes, driving down wages and using their power to influence politics. It calls for a fundamental change in the way we manage our economies so that they work for all people, and not just a fortunate few.
Sustainable Development Goals (SDGs)

“World leaders have an unprecedented opportunity this year to shift the world onto a path of inclusive, sustainable and resilient development” - Helen Clark, UNDP Administrator.

At the United Nations Sustainable Development Summit on 25 September 2015, world leaders adopted the 2030 Agenda for Sustainable Development, which includes a set of 17 Sustainable Development Goals (SDGs) to end poverty, fight inequality and injustice, and tackle climate change by 2030.

Goal 4: Ensure inclusive and quality education for all and promote lifelong learning
WHERE DO WE WANT TO GO?

Critical Thinkers
Critical Consumers
Critical Citizens

LEARNING TO BE
LEARNING TO KNOW
LEARNING TO DO
LEARNING TO LIVE TOGETHER

(Delors Report, 1972)
Go raibh maith agaibh!