



SERVICES FOR INTERNATIONAL EDUCATION MARKETING CONFERENCE 2012



Massive Open Online Courses (MOOCs)

New learners? New Business Model? Or just a flash in the pan?

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Vice Principal, CIO and Librarian
University of Edinburgh

www.britishcouncil.org/siem

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Massive Open Online Courses



- What are MOOCs?
- Why such a fuss?
- What place will they take in HE, FE & Schools?
- Should universities, colleges & schools enter this new educational 'space'?

Massive Open Online Courses

MOOCs

- are open to anyone – no mandatory qualifications
- have learners who are not students of universities
- are fully online
- are very lightly tutored & supported
- do offer assessment (in various forms)
- have low study hours per week modules not degree programmes
- offer certificates of completion rather than credits (but see later...)
- are a different business model to traditional HE



Take the World's Best C

Join **1,046,860** Courserians



Learn with videos, quizzes, and assignments



THE UNIVERSITY of EDINBURGH

FROM 16 UNIVERSITIES



Artificial Intelligence Planning

Gerhard Wickler, Austin Tate

The course aims to provide a basic grounding in artificial intelligence techniques for planning, with an overview of the wide spectrum of different problems and approaches, including their underlying theory and their applications.

Jan 28th 2013
5 weeks long



Astrobiology and the Search for Extraterrestrial Life

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... lots of the features of typical online courses

The screenshot shows a web browser window displaying the Coursera course page for 'Artificial Intelligence Planning' at The University of Edinburgh. The page is titled 'Artificial Intelligence Planning' and is taught by Gerhard Wickler and Austin Tate, starting in January 2013. The course is part of the 'Artificial Intelligence Planning - Announ...' series.

The page layout includes a navigation menu on the left with links for Home, Course Information, Video Lectures, Course Social Platform (Course Wiki, Discussion Forums, Course Tweets, Virtual Meeting Space), and Week-by-Week (Week 1, Week 2, Instructor Support, I18N Editor).

The main content area is titled 'Announcements' and features two posts:

- Welcome to AI Planning**: A message welcoming students to the course, providing an overview of the course's goals and encouraging them to check their browser compatibility and complete a survey.
- Week 1**: A message introducing the first week of the course, detailing the topics to be covered and encouraging students to use the course social platform and virtual meeting spaces.

The right sidebar contains 'Upcoming Deadlines' and 'New Lectures' sections, listing various lecture topics and their durations.

...online spaces for learners to self support + light touch oversight

The screenshot shows a course interface with a sidebar on the left and a main content area on the right. A red dashed circle highlights the 'Course Social Platform' section in the sidebar, which includes 'Course Wiki', 'Discussion Forums', 'Course Tweets', and 'Virtual Meeting Space'. The main content area has sections for 'Course Information', 'Week-by-Week', and 'Recommended Backg'.

Course Information

Course participants are encouraged to use other course members. Please do not give
The Course Twitter Tag is #aiplan. The cour
The course social platform, including an ex
Coursera Meetup also lets participants sug

Week-by-Week

Week 1: Introduction and Planning in Conte
Week 2: State-Space Search: STRIPS and
Week 3: Plan-Space Search and HTN Plan
Week 4: Graphplan and Planning Graph He
Week 5: Plan Execution and Applications

Recommended Backg

The course is at an introductory level, but y

...lots of short videos & presentations

The screenshot shows a web browser window displaying a Coursera lecture. The browser's address bar shows the URL <https://class.coursera.org/genomescience-2012-001/lecture/4>. The page header includes the Coursera logo, the course title "UNIVERSITY of PENNSYLVANIA Experimental Genome Science", and the names of the lecturers: "John Hogenesch, Professor" and "John Isaac Murray, Assistant Professor" for the "Fall 2012" session. A navigation menu on the left lists "Home", "Syllabus", "Video Lecture", "Assignments", "Discussion Forum", "Quiz", and "Quiz Answer Key". The main content area features a video player with a slide overlay. The slide is titled "The Human Genome Project" and lists the lecturer as "Harold Riethman, PhD" with the email "riethman@wistar.org". A small video inset shows the lecturer speaking. The video player interface includes a progress bar, a timestamp of "00:06 | 57:18", and navigation buttons for "Previous" and "Next". Below the video player, a list of lecture topics is visible, including "Lecture 12: Epigenomics and Transcriptional Regulation" and "Lecture 13: ncRNA structure and function".

...interactive tools online

The screenshot shows a Firefox browser window displaying a Coursera lecture page for 'University of Michigan Social Network Analysis'. The page title is '1B Software Tools (13:13)'. The browser address bar shows the URL: <https://class.coursera.org/sna-2012-001/lecture/3>. The Coursera header includes the course name, instructor 'Lada Adamic', and navigation links. A Gephi 0.8.1 beta window is overlaid on the page, showing a network graph with 26 nodes and 52 edges. The Gephi interface includes a 'ForceAtlas 2' layout algorithm selected in the 'Layout' panel, with a 'Run' button circled in blue. The 'Properties' panel shows details for a node named 'Eva'. The 'Context' panel on the right shows graph statistics and a library of visualization options.

...timed assignments throughout the course

Assignments

Details: OFF * *Timezone: UTC+0000*

World Music - Assignment 1 [Go to assignment >](#)

Results available since Mon 30 Jul 08:59 pm

World Music - Assignment 2 [Go to assignment >](#)

Results available since Mon 06 Aug 08:59 pm

World Music - Assignment 3 [Go to assignment >](#)

Results available since Mon 13 Aug 08:59 pm

...automated assessment – computer marks test

STS markers M and N appear to be very closely spaced on a Radiation Hybrid map of chromosome 19, but much farther apart on a meiotic linkage map of the same chromosome. What might explain this?

- A. Expansion of the RH map around the centromere
- B. A meiotic recombination cold spot between M and N
- C. A meiotic recombination hot spot between M and N
- D. All of the above

Submit

Skip

-required readings, in the MOOC and externally

CHAPTER 3

Propositional Proofs

3.1 Introduction

Checking logical entailment with truth tables has the merit of being conceptually simple. However, it is not always the most practical method. The number of truth assignments of a language grows exponentially with the number of logical constants. When the number of logical constants in a propositional language is large, it may be impossible to process its truth table.

Proof methods provide an alternative way of checking logical entailment that addresses this problem. In many cases, it is possible to create a proof of a conclusion from a set of premises that is much smaller than the truth table for the language; moreover, it is often possible to find such proofs with less work than is necessary to check the entire truth table.

We begin this lesson with a discussion of simple, linear proofs. We then move on to hierarchically structured proofs, where proofs can be nested inside of other proofs. Once we have seen both linear and structured proofs, we show how they are combined in the popular Fitch proof system. We finish with definitions for soundness and completeness - the standards by which proof systems are judged.

Credit for MOOCs is arriving...

Department of Computer Science
UNIVERSITY OF HELSINKI
FACULTY OF SCIENCE

The Department of Computer Science is responsible for teaching and research in computer science at the University of Helsinki.

Search this site:

Home Research Studies Prospective Students Alumni Administration Computing facilities People Contact

Human-Computer Interaction by Coursera opened for credit for the students of the Department

Successful completion of the would get attending the department course.

Last updated: 29.05.2012 - 12:01
Post date: 29.05.2012 - 12:01 Kurssi
Permanent link: <http://www.cs.helsinki.fi>

[Printer-friendly version](#)

[Home](#) > [Accreditation](#) > [What is ACE CREDIT?](#)

What is ACE CREDIT?

Last Updated: Nov 13, 2012 04:56PM PST

The American Council on Education (ACE) and Coursera are currently working together to initiate a credit-equivalence evaluation of a small subset of the courses hosted on Coursera's platform. This third party evaluation, conducted through ACE's College Credit Recommendation Service (ACE CREDIT), has the potential to eventually make select courses completed on Coursera eligible for college transfer credit at institutions choosing to accept the ACE recommendations.



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Select an area of study below.

Areas of Study

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Excelsior College and The Saylor Foundation Form

Strategic Partnership for Pathways

[ABOUT](#) [BLOG](#) [JOBS](#) [LOG IN](#)

College Credit

Washington, D.C., July 18, 2012 – Excelsior College and the Saylor Foundation announced a new partnership to create a low-cost pathway to college credit. Through this new partnership, students can earn college credit for the high-quality courses that are freely available via www.saylor.org credit-by-exam programs.

EdX to offer learners option of taking proctored final exam

Why such a fuss?

13 February 2012 Last updated at 16:37



MIT launches free online 'fully automated' course

By Sean Coughlan

BBC News education correspondent

Massachusetts Institute of Technology (MIT), one of the world's top-rated universities, has announced its first free course which can be studied and assessed completely online.

An electronics course, beginning in March, will be the first prototype of an online project, known as MITx.

The interactive course is designed to be fully automated, with successful students receiving a certificate.

The US university says it wants MITx to "shatter barriers to education".

This ground-breaking scheme represents a significant step forward in the use of technology to deliver higher education.

Automated university

There are already online degree courses, but the MIT proposal is unusual in that it is inviting students anywhere in the world, without



MIT is creating an online "MITx", offering courses to students anywhere in the world. Pic: Jon Fildes

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Uda
its

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In the News



London joins US-based online university Coursera

BBC | September 19, 2012



Coursera adds Columbia, Brown, and more to its roster of univer
education

Digital Trends | September 19, 2012

Slate

Online Higher-Education Startup Coursera Is Taking Over the W

Slate | September 19, 2012



Coursera raises \$16M for free online education for the masses



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How does a MOOC compare to the University's Online Postgraduate Programmes?

Course and degree finder



Subject area: Online learning programmes

Taught programmes

- [Africa and International Development \(Online Distance Learning\)](#)
- [Architectural Project Management \(Online Distance Learning\)](#)
- [Biodiversity, Wildlife & Ecosystem Health \(Online Distance Learning\)](#)
- [Clinical Education \(Online Distance Learning\)](#)
- [Cognitive Ageing Research Methods for Medical Scientists \(Online Distance Learning\)](#)
- [Conservation Medicine \(Online Distance Learning\)](#)
- [Creative Writing \(Online Distance Learning\)](#)
- [Dementia: International Experience, Policy and Practice \(Online Distance Learning\)](#)
- [E-Learning](#)
- [Educational Leadership \(Online Distance Learning\)](#)
- [Equine Science \(Online Distance Learning\)](#)
- [General Surgery \(Online Distance Learning\)](#)
- [Global Development Challenges \(Online Distance Learning\)](#)
- [Global Environment Challenges Certificate \(Online distance learning\)](#)
- [Global Health Challenges \(Online Distance Learning\)](#)

The University of Edinburgh has a substantial offering of high-quality Online Postgraduate Programmes, with 42 programmes available from 2012/13. More information about these credit-bearing postgraduate qualifications is available on the online learning postgraduate site:

- [Postgraduate online learning - all programmes](#)

Massive Open Online Courses (MOOCs) complement the University's existing online learning offering, providing students with another opportunity to experience a University of Edinburgh education through flexible delivery methods online.

The following table highlights the differences between a MOOC and an online taught postgraduate programme at the University of Edinburgh.

	MOOC	Online Postgraduate Programmes
Cost	Free to study. A small admin charge is levied for the statement of completion.	The fees for these programmes varies depending on the subject area. The level of fees for each is available here: http://www.ed.ac.uk/studying/postgraduate/online-distance-learning/finance
Qualification	MOOCs are not certified they do not constitute a formal credits or qualification from the University.	A variety of qualifications are available (for example, PG Cert, PG Diploma, MSc, MA), each carrying a defined number of SQCF Level 11 Credits.
Study-Level	University entry-level (SCQF level 9)	Postgraduate level (SCQF 11)

Online education @ Edinburgh

- ❑ Online & on-campus = 'e-learning'
- ❑ Online & off-campus = online distance learning 'ODL'
- ❑ Online and no-campus = MOOCs, OER, informal learning, ≡ LLL?

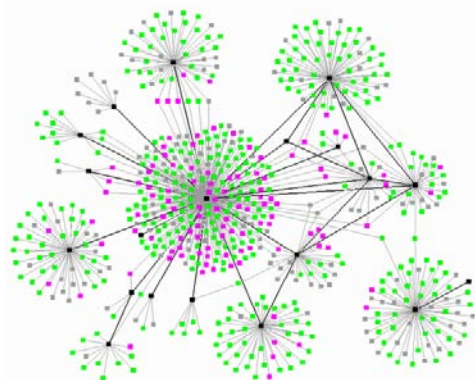
We apply to same rigorous approval and quality assurance processes to all

What place will they take in HE, FE & schools?

Here to stay or flash in the pan?

My predictions (*evidence-free at present!*)

Hype	↓↓↓	Enrolments / MOOC	↓↓
\$\$s per MOOC	↓↓↓	No's MOOCs	↑↑↑↑↑
Variety of MOOCs	↑	MOOC 'platforms'	↑↑↑
Use for marketing	↑↑	Routes to entry	↑↑↑
Flex for curricula	↑	Credit for MOOCs	↑
R-intensive U's	Same or ↓	Other U's, colleges	↑↑



Should universities, colleges & schools enter this new educational space?

Know your reasons for being in or staying out!!

- ❑ They are free to take but not free to provide, and publicity is everything for reaching Massive (or even big)

If 'In', then choose one or both of:

❑ Offer MOOCs

- ✓ Part of curriculum; entry route; general marketing; profile; income; R&D;...

❑ Use others' MOOCs

- ✓ Part of curriculum; high reputation courses; internal economies; overcome lack of capacity/capability; tasters; profile; ...

Questions