FutureLearn

Working with Pierre Binetruy to deliver the Gravity mooc to a global audience

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INTRODUCTION

Set up by the UK's Open University as a response to the MOOC movement

Image © Open University/PA
MOOCs
MOOCs were only one part of a wider market shift...

...but have been the catalyst for major innovation in higher education
Global shortage of higher education
Global education trends

**Globalisation**
Of industry and society driving change and uncertainty

**Automation**
Machines are competing for intellectual as well as physical work

**Digitisation**
Mass adoption of digital services is creating new jobs and skills gaps

**Job disruption**
Technology is driving people to re-skill and change jobs throughout their lives

The learner of the 21st century will be a digital learner for life
The digitisation of higher education represents the greatest opportunity the sector has ever had to create global impact...
FutureLearn is not just a MOOC platform...
…but a catalyst and an enabler of our partners' digital transformation
OUR EVOLVING MISSION

- Short course
- Micro Credential
- Graduate Certificate
- Graduate Diploma
- Masters Degree

A few weeks → A few years

Pay-as-you-go pathways for lifelong learning
We can also support Masters that require more programs or a research dissertation, built using the same building blocks.
Growing range of degrees from multiple partners

There are twelve degrees that you can enrol on today, with more common soon…
High Quality Learning Experience
Accessible and Flexible
Effective and Enjoyable
Courses and Qualifications
Gravity!
The Big Bang, Black Holes and Gravitational Waves

Image © iStock
Welcome

Welcome to Gravity: The Big Bang, Black Holes and Gravitational Waves

In this video Pierre Binetruy and George Smoot introduce you to the course (3:31 minutes).

You can comment on each step of the course by clicking on the pink + icon and the comments will be revealed.
"The additional reading material suggested on the course and by other learners has been extremely useful...it has been a real privilege to have the likes of George Smoot contributing along the way"
"I am really grateful to Pierre and all at Paris Diderot for being brave enough to put such an advanced conceptual course on as a MOOC, and for free"
A global community of Learners

- Over 196 countries
- 60% are female
- 45% are 26-45 years old
- 39% are in full time work
Advancers  Preparers  Explorers  Flourishers  Fixers  Vatalisers  Hobbyists
Learning for life
Social Learning

20% of learners complete 90%

50% of learners are social

Social learners are 6X more likely to complete
GRavitational wave fiesta!

La fête aux ondes gravitationnelles

Université Paris Diderot - Amphithéâtre Buffon

From 29/02/16 at 09:30 to 01/03/16 at 16:00
1st September 2015 at 8h50 minutes 45 seconds UTC
11h 50 minutes 45 seconds à Paris

(a)

10 ms light travel time
All important motions of matter concern mass.
Tous les mouvements de masse importants et rapides:

Explosions de supernovae

Gamma ray bursts
Sursauts gamma

Binary systems
Systèmes binaires

Coalescence of black holes/ de trous noirs
"This really shows what an incredibly passionate, kind, open and engaging person Pierre was. I feel exceptionally lucky to have worked with him"
A global network of Partnerships

Nearly 150 active partners
Over 20 countries
PARTNERS
We're proud to count 26 world class universities amongst our partners
GLOBAL NETWORK OF PARTNERS

59
UK partners
GLOBAL NETWORK OF PARTNERS

57 international partners

[Logos of various universities and institutions]
Collaborate
Think big