

Massive Open Online Courses

# Overview

- History of MOOCs
- Disruption or Hype?
- · Do MOOCs offer us anything new?
- · Potential for innovation

# Emergence of MOOCs



# Disrupting Higher Education





### 2012: Sebastian Thrun

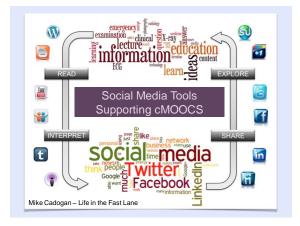
In 50 years, he says, there will be only 10 institutions in the world delivering higher education and Udacity has a shot at being one of them. cMOOCs

Connectivist

xMOOCs

eXtension



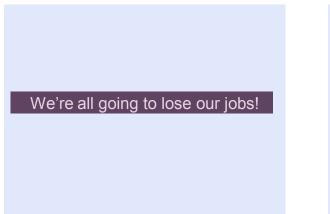


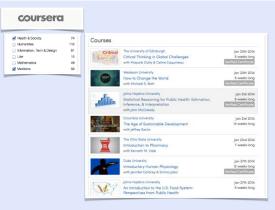


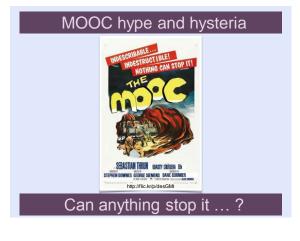
xMOOCs typically involve video lectures, quizzes, discussion boards – Viewed by many as didactic

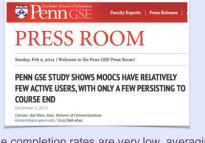
# By October 2013 Coursera had ...

- Enrolled over 5 million students
- Attracted students from 190 countries
- 107 partner universities
- Course videos viewed over 300
  million times

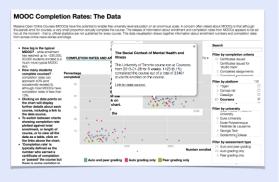








"Course completion rates are very low, averaging 4% across all courses and ranging from 2% to 14% depending on the course and measurement of completion."

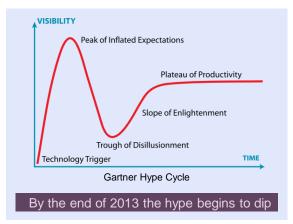


http://www.katyjordan.com/MOOCproject.html



"We were on the front pages of newspapers and magazines, and at the same time, I was realizing, we don't educate people as others wished, or as I wished. We have a lousy product," Thrun tells me. "It was a painful moment." Turns out he doesn't even like the term *MOOC*.

http://www.fastcompany.com/3021473/udacity-sebastian-thrun-uphill-climb





# Koller's case for MOOCs

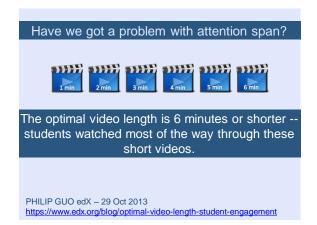
- · Blended learning flipped classroom
- · MOOCs are inherently social
- · Learning analytics
- · Lifelong learning

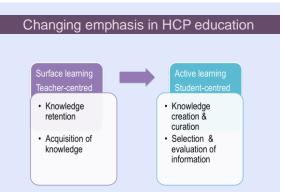
	No.	Total	Pre-92	Post-92	Coll	Eng	Wal	Sco	NI
Medicine, Nursing, Health	64	81%	81%	89%	43%	83%	67%	75%	100%
Management, Accountancy, Finance, Business etc.	30	38%	43%	34%	29%	41%	17%	25%	100%
Education	20	25%	24%	26%	29%	25%	0%	50%	0%
Social Sciences, Psychology, Law, Teaching etc.	19	24%	30%	20%	14%	23%	33%	25%	0%
Engineering	14	18%	24%	11%	14%	13%	33%	50%	0%
Art, Music, Drama	14	18%	14%	23%	14%	19%	17%	13%	0%
Science(s), not specified	12	15%	19%	11%	14%	13%	33%	25%	0%
Schendeling of Kingdom and a									
edicine, Nursing &	λΗ	eal	th I	mak	le i	ne	mo	รเ	use (
edicine, Nursing & TEL in U								ระเ	use (
edicine, Nursing & TEL in U 2008) when they were both singled out as ex ise of <i>Education</i> up the list to 3rd position for	K H	Higl	her	Ed	uca	itio	n		





Lectures are only a small piece of the learning experience in health care professions education ... we' re already flipping & using TBL







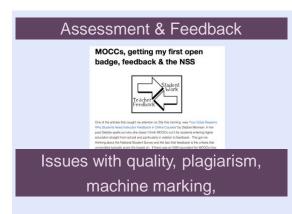


### Relationships between conceptions of teaching, approaches to teaching & approaches to teaching & learning with technology

		CONCEPTION OF TEACHING & LEARNING WITH TECHNOLOGY					
Conception of te	aching Approach to teaching	Strategic	Tactical				
Teacher-focuse	Transmission of knowledge	Technology as agent of change	Replicating or supplementing existing practices				
		Technologically deterministic	Presentational use of technology (passive) (PowerPoint, webcasts, etc)				
Learner-focused	Developing the learner	Teacher as agent of change	Transformational – considering how technology can enable learning goals to be achieved, skills &				
Tracting Subscr	Teaching in Higher Education Publication details, including instructions for authors and subscription information that //www.subdeplee.com/su/chap2		practices to be cultivated				
Burne Burnes	Missing: evidence of a scholarly approach to teaching and learning with technology in higher education Addes Himson <sup>1</sup> & Linde Note <sup>2</sup> "Parabase of Decomes Hohelegs, The Open Lineersty, Missingers, UK Hohele University, 22 (2012).	Pedagogically determined	Development use of technology (active) (manipulation & interrogation, reflection, knowledge building & sharing, etc)				



Students want face-to-face teaching



### Do students have the appropriate skills?



# SUSTAINABILITY?

What about the ...

# POTENTIAL?

# New models to widen access? Pre-med MOOCs?



# **Basic Science Teaching**

#### Reply to a Tweet



Natalie Lafferty @nlafferty ##amse13 anatomy has been going through a major decline and now as older anatomists retire there's a shallow gene pool able to replace them 852 AM Jun 9th, 2013

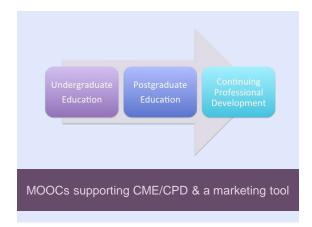
# Can we collaborate to compete?



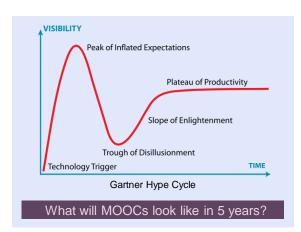
# Community Open Online Courses

- Ethics
- Global health
- Public health











teaching and being agents of change

