Using MOOC to Enhance Higher Education Quality and Access



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Hello!

Scan here to visit UTM-MOOC



PROGRAMS/COURSES OFFERED

As of June 2018, 12 courses are live on UTMMOOC. These are among the popular courses offered in UTMMOOC:

- 01 Web Based Multimedia Development
- 02 Data Structures & Algorithms
- 03 Mechanical & Electrical Works Measurement
- 04 Research Method in Education
- 05 Web Programming
- 06 Blended Learning
- 07 Edu Muallaf Akidah
- 08 Edu Muallaf Fiqh Ibadah
- 09 Highway Engineering
- 10 Application of Statistics in Educational Research
- 11 Digital Electronics

Outline

- MOOC & Quality Education
- Using MOOC Global Competitiveness to drive HE quality

- Key Issues
- Quality Assurance in MOOC

SUSTAINABLE GALS DEVELOPMENT GALS























RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure inclusive and equitable **quality education** and promote lifelong **learning** opportunities for all















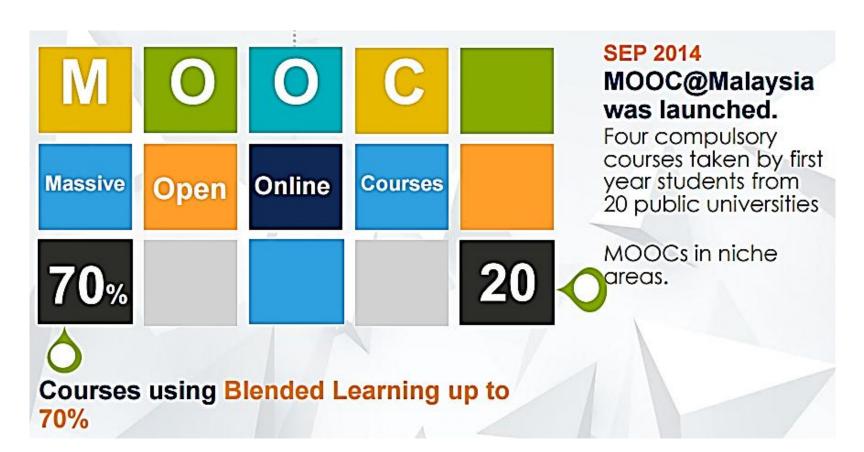








MOOC: An Overview





cMOOC

Based on
connectivism
learning
theory.

Other MOOC
transferMOOC
synchMOOC
asynchMOOC
adaptiveMOOC

2 Based on behaviourism learning theory



MOOC's Role: Improve access to quality education

Week 5 - Groups, Networks and Collectives

Dates: February 14 - 21, 2011

Overview

Readings

- Stephen Downes, Groups Vs Networks: The Class Struggle Continues
- Stephen Downes, That Group Feeling
- Stephen Downes, Groups and Networks (video; here's the image from the video)
- George Siemens, Group and Network (Elluminate presentation)
- Terry Anderson and John Dron, <u>Collectives, Networks and Groups in Social Software for</u>
 E-Learning
- Stephen Downes, 7 Habits of Highly Connected People

Seminars

- Wednesday: Live Session: Location: <u>Elluminate</u> Maarten de Laat Time:8:00 p.m. Moscow; 5:00 p.m. London; 12 noon New York; 9:00 a.m. Los Angeles; midnight Thursday Beijing
- Friday: Live Session: Location: <u>Elluminate</u> Facilitator's discussion.
 Time:8:00 p.m. Moscow; 5:00 p.m. London; 12 noon New York; 9:00 a.m. Los Angeles; midnight Saturday Beijing

Activities

[Week 4] [Outline] [Week 6]







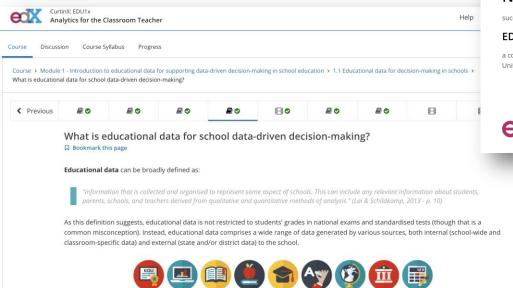


MOOC's Role: Improve access to quality education





• xMOOC



This is to certify that

Nurbiha A Shukor

successfully completed and received a passing grade in

EDU1x: Analytics for the Classroom Teacher

a course of study offered by CurtinX, an online learning initiative of Curtin University through edX.





VALID CERTIFICATE ID b8af023f13144aa4b92a758b269bbdf7

MOOC: Access to

Education vs Marketing Exercise?

Why Study on a MOOC?

MOOC Participant Motivations

Category	FCT n (%), rank	IDS n (%), rank	COMBINED n (%)
Relevance to current role	97 (32.0%) 1	151 (22.6%) 3	248 (25.6%)
Learning content	82 (27.1%) 2	227 (34.0%) 1	309 (31.9%)
Relevance to future career	50 (16.5%) 3	113 (16.9%) 4	163 (16.8%)
Interest in the topic	47 (15.5%) 4	160 (24.0) 2	207 (21.3%)
Other motivation (prestige, certification, MOOC study, (zero) cost, opportunity to learn in English.	27 (8.9%) 5	16 (2.5%) 5	43 (4.4%)
Total	303	667	970

Milligan & Littlejohn (2017)











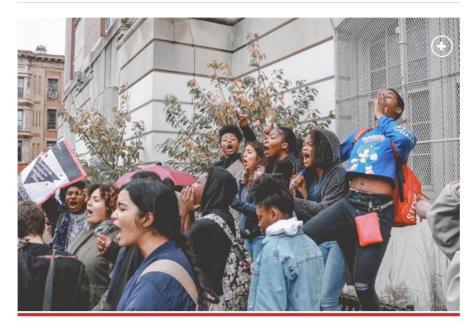




Brooklyn students hold walkout in protest of Facebook-designed online program

By Susan Edelman

November 10, 2018 | 9:26pm | Updated



Students from the Secondary School for Journalism during the protest.

"It's annoying to just sit there staring at one screen for so long," said freshman Mitchel Storman, 14, who spends close to five hours a day on Summit classes in algebra, biology, English, world history, and physics. "You have to teach yourself."

https://nypost.com/2018/11/10/brooklyn-students-hold-walkoutin-protest-of-facebook-designed-online-program/

Global Competitiveness

CLASS CENTRAL







By the Numbers: MOOCs in 2017



Earning a Credit in MOOC

- Georgia Technology University
- TU Delft, Netherlands
- Universiti Teknologi Malaysia
- Universiti Teknikal Malaysia Melaka







MOOC-based Degree vs Traditional Online Degree?

- MOOC-based can be less expensive
- MOOC-based is more flexible
- More relaxed application process
- More courses are free to audit



competitiveness to drive HE quality

Using MOOC global

Global Competitiveness

CLASS CENTRAL







By the Numbers: MOOCs in 2017

Why Institution Offers MOOC?

- extending reach and access.
- building and maintaining brand,
- improving economics by reducing costs or increasing revenues,
- improving educational outcomes.

- innovation in teaching and learning, and
- conducting research on teaching and learning (Hollands & Tirthali 2014)
- As a teaser to face-to-face program
 - Broaden current skillsetamong professionals (Milligan & Littlejohn, 2017)

01 – MOOC AS TEACHING LABS

Using MOOC to demonstrate each HE best approaches and practices; online and offline learning.



02 – ADDING VALUE

Develop courses that adds value to offline courses.

This would attract students and learners to enroll in offline courses. MOOC can supplement offline course and vice versa

03 – INDUSTRY COLLABORATION

Because of the business model that MOOC has to offer, this can be very appealing to the industry. HE should take this opportunity to provide online course together.





Parameter	% of students viewed	% of students completed	# of Views	# of Comments	Average Time spent on Page (minutes)					
MOOC A										
Video Lectures and Notes	Passive video lectures and notes for download, but the page is the first learning page that the students have to view	Passive video lectures and notes for download, but the page is the first learning page that the students have to view	Passive video lectures and notes for download, but the page is the first learning page that the students have to view	Passive video lectures and notes for download, but the page is the first learning page that the students have to view	Lecture video with embedded on-screen step-by-step demonstration					
Activity	Crossword puzzles about a related topic	Crossword puzzles about a related topic	Mix and Match questions	Problem solving learning activities introduced in videos	Problem solving learning activities introduced in videos with attached protected document					
Assessment	Online quiz with mixed of open ended question and multiple choice questions	Online quiz with mixed of open ended question and multiple choice questions	Online quiz with mixed of open ended question and multiple choice questions	Your Project page	Multiple choice question with increased complexity					

Shukor & Sulaiman (2017)



Parameter	% of students viewed	% of students completed	# of Views	# of Comments	Average Time spent on Page (minutes)
MOOC B					
Video Lectures and Notes	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by on-screen text and images	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions
Activity	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions	Lecture video accompanied by lecture notes and multiple choice questions
Assessment	Course Conclusion and Reflection on the course activity by collecting students' feedback through questions	Course Conclusion and Reflection on the course activity by collecting students' feedback through questions	Learning area for Design submission by the students	NOT AVAILABLE	Course Conclusion and Reflection on the course activity by collecting students' feedback through questions

Shukor & Sulaiman (2017)

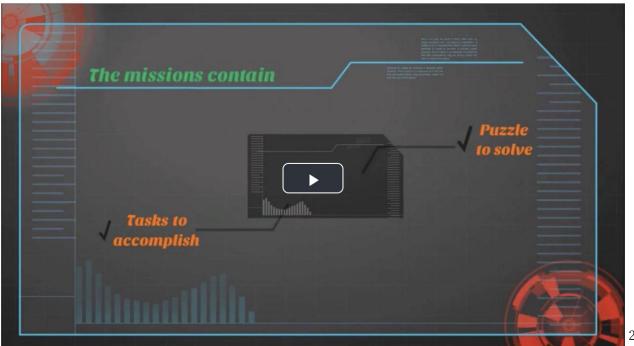


MOOC as Teaching Labs

Congratulations for arriving Just in time.

Ger Ready for The Mission Possible!

Mission 00 - The Mission Possible



Adding Value to Offline Course & Vice Versa

Blended Learning



In this course, we will explore the meaning of Blended learning and its different models. We will look at the key issues that impact students, teachers, and higher institution (HI).



Certificate Type
Certificate of

completion



Start Date





Duration Flexible



Cost Free



Community
120 Students

JOINED





Industry Collaboration



Key Issues

Less than 17% completion rate

MOOC Quality Reflects HE Quality?

- Interaction with course instructor affects students' retention (Hone & Said, 2016)
- Course content x perceived effectiveness → students' retention (Hone & Said, 2016)
- Personal factors (selfmotivation, selfregulation)(Gütl, Rizzardini, Chang, & Morales, 2014)
- Lack of feedback (Yuan & Powell, 2013)
- Lack of pedagogical structure and too self-directed (Yuan & Powell, 2013)

Are MOOCs Reliable to serve as the Quality Indicator of Higher Education?

- MOOC takes too much time,
- Assumes too much knowledge,
- is too basic and not really at the level of world leading universities.
- provides lecture fatigue, poor course design, clunky communication tools,
- bad peer review, and hidden costs (e.g., professor's expensive textbook, paying for a feature designed to prevent cheating on exams).
- Learners in a MOOC can be degraded to the shopper for

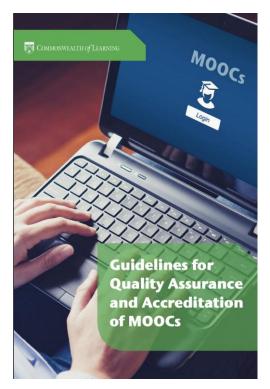


Recognition, Reward and Ratings for MOOC

- What kind of recognition?
- Is it sufficient to reflect the quality of MOOC/MOOC provider?

Quality Assurance in MOOC

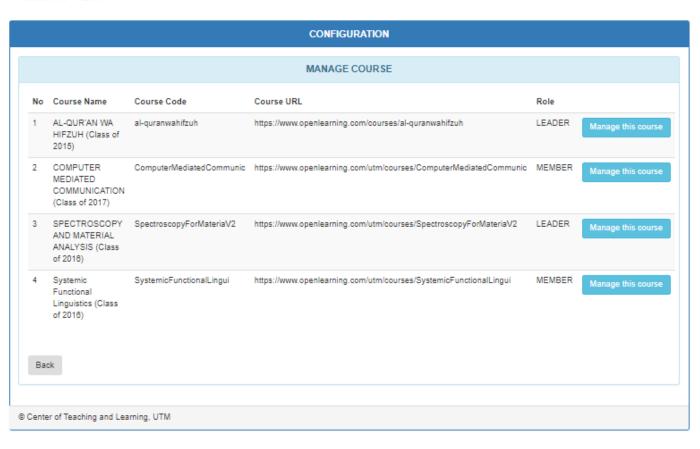
Quality Assurance in MOOC



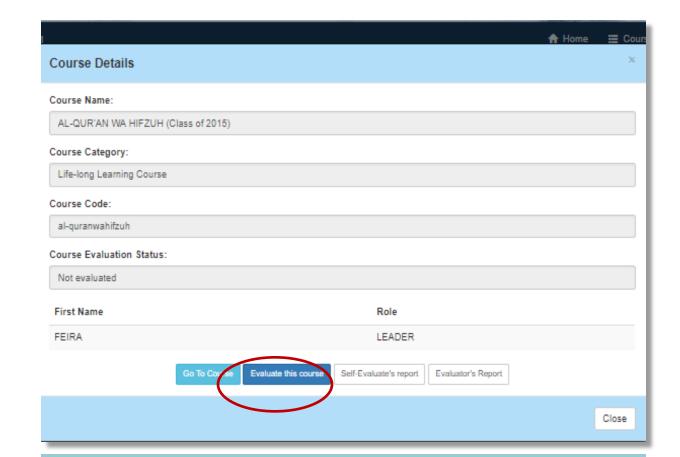




Welcome FEIRA



Cen	ter of Teaching and Learning v1.0				Home	Checklist	Logout	
Weld	come admin						- 1	
Cou	rse Name				Course Category			
ACA	DEMIC ENGLISH SKILLS (Class of 2017)				Niche Course			
No.	Criteria	0	1	2	3	4	-1	
1		L	ogo at IPT Landing Pag	е				
	Logo at IPT landing page and each IPT MOOC course (banner) IPT LANDING PAGE 1. Logo KPT 2. Logo IPT 3. Logo MOOC IPT 4. High Resolution of Logo (clear logo)	Landing and course page does not contain any of the elements	Landing and course page contain at least 2 of the 8 elements	Landing and course pag contain at least 4 of the elements		Landing and cours contain at least all elements		
2	Promotional Video							
	Promotional video criteria: 1. Course overview 2. Course outcomes 3. Other relevant information (e.g.: Prior knowledge) 4. Call for participation	No promotional video	Promo video contains 1 of the 4 elements	The role of an external evaluator was added to the MOOC development quality by giving rating quality criteria				
3		Infon	mation before join the c	ourse				
	Information in the course information page is sufficient (before join the course) 1. Course title 2. Course description / synopsis						\neg	



Staffs can view external evaluator report to improve their MOOC

Conclusion

- Quality education and access can be delivered through MOOC
- MOOC Quality can be associated with MOOC provider quality (HE)*
- MOOC offering can be the driving force for quality education at HE

References

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Thanks!

Any questions?

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