A Review of Language MOOCs and Development of a Design Framework

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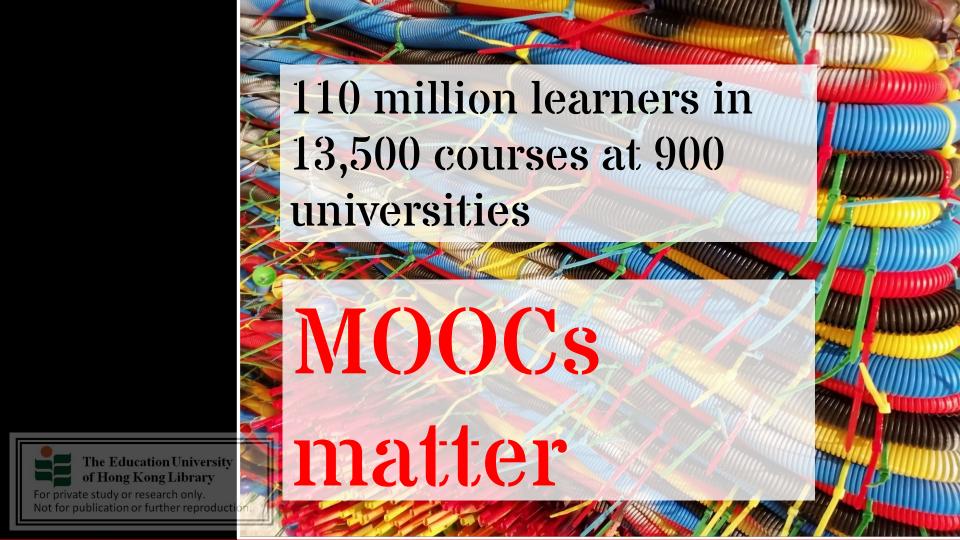
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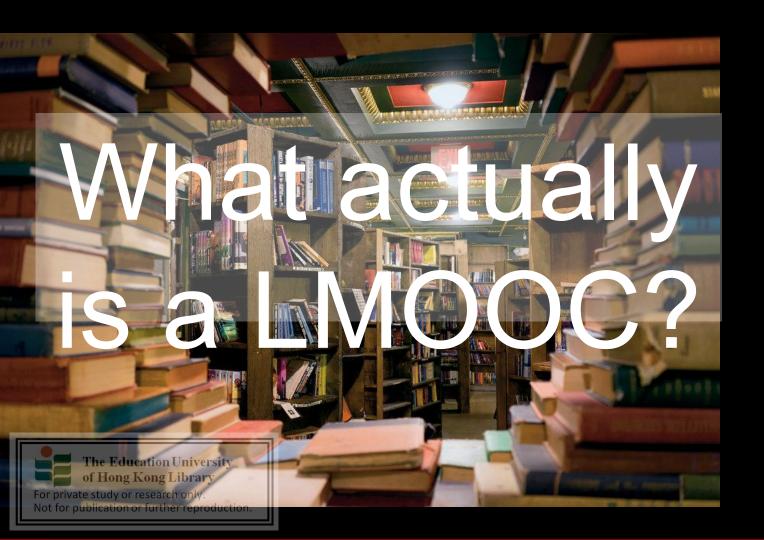
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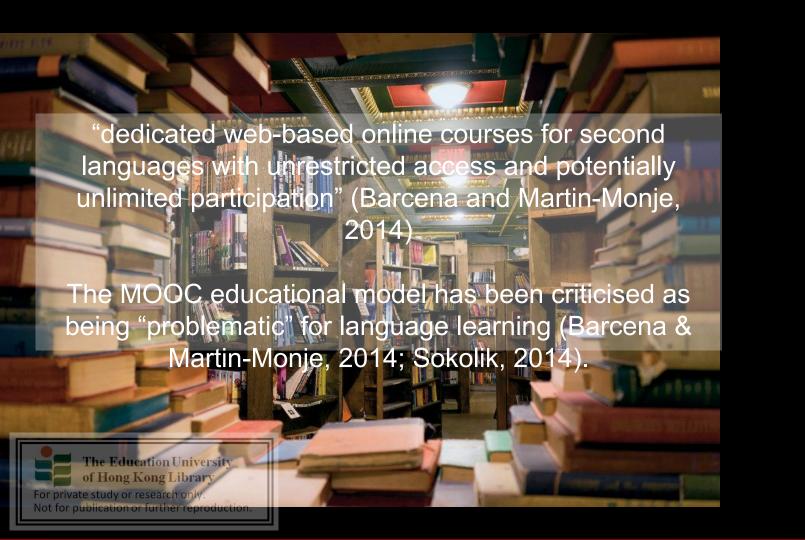
Agenda

- 1. Literature review on Language MOOC
- 2. Scope of our review and search strategy
- 3. Findings features of 100 LMOOCs analysed using the model of web-based design for learning by Hall, Watkins, and Eller (2013)
- 4. Implications a proposed design framework for LMOOCs + our example
- 5. Q & A









very low completion rates Low engagement



0311868

Lack of personalisation
Lack of opportunities for interaction



Unique challenges in LMOOCs Very few studies Mostly exploratory

Most publications not peer-reviewed

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Methodology

Exploratory research

"The exploration of a new design framework, in this way, help us for a better understanding of the existing LMOOCs, test their feasibility, and determine the best methods to be used in a subsequent study."



Platforms











Linked in Learning

Platforms Chosen



- Created by Stanford University's professors.
- Founded in **2012**.
- More than 200 universities, organizations and corporations offers courses.
- Approx. 71 million learners.
- More than **470 specializations**.
- More than 4400 courses.
- Offers individual courses, Specializations, certificates, and Degree Programs.



Source: Coursera

Platforms Chosen



- Created by **Harvard** and **MIT**.
- Founded in **2012**.
- More than 145 schools, organizations and corporations offers courses.
- Approx. 24 million learners.
- Approx. 80 million enrollments.
- More than 3000 courses.
- Offers individual courses, professional certificates, MicroBachelors, MicroMasters

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programme, Online Masters Degree, XSeries and Executive Education courses.

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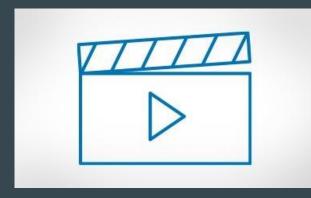
Source: edX 2020 Impact Report

Search Terms

- Language
- Language Learning
- English
- Chinese
- Spanish, etc.



Features - videos



Videos in the edX/Coursera platform



Videos hosted on YouTube



Interactive videos using HTML 5 package



Features - assessments

Graded

- Quizzes
- Peer-graded assessments



Ungraded

- Ungraded quizzes
- Practice peer-review assessments



Features - readings

- Supplementary reading content in the content.
- Optional reading content via outside links; websites, book chapter(s), etc.





Features - discussion

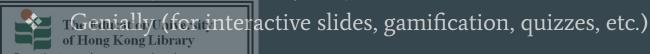
- Open-ended questions:
 - Related to the content.
 - Related to the technical assistance
 - Related to the given assessments
 - Seeking feedback from the learners
- Communication with instructors/tutors.
- Communication among the learners.





Features - others/tools

- Google Slides
- ❖ Vocaroo (for audio recording)
- Quizlet (for quizzes)
- BookWidgets (for interactive exercises)
- Padlocks
- Google forms
- Qualtrics
- SurveyMonkey
- Minnit (for discussion/chat)



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Extraction from the platforms

- 100 LMOOCs
- 55 on Coursera
- 45 on edX

Data analysis of the Coursera LMOOCs has completed.



Hall, Watkins, and Eller (2013)'s web-based design model



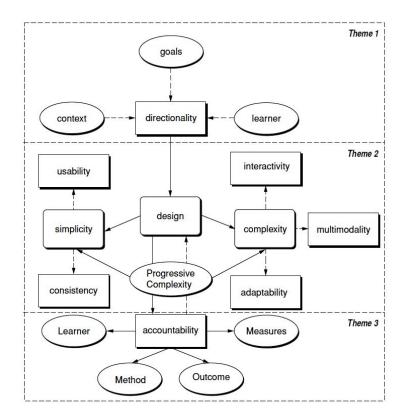


FIG. 25.1. Web Design for Learning Model. (Squares represent the seven basic components of the model.)

Hall, Watkins, and Eller (2013)'s web-based design model

- **Directionality**: Who are your intended audience (advanced learners, novice users)?
- **Design**: How do you balance between simplistic (usability, consistency) and complex (interactivity, multimodality, adaptability) design?
 - To maintain simplicity, how do you ensure that the LMOOCs are designed to be user-friendly and that learners' experiences are stress-free (usability)?
 - To maintain simplicity, how do you maintain consistency in relation to higher-order organisation of the LMOOCs?
 - To maintain complexity, how do you promote teacher-learners and learner-learner interactions? How do you strike a balance between synchronous and asynchronous interactions (interactivity)?
 - To maintain complexity, how do you include multimodal materials in your LMOOCs (multimodality)?
- To maintain complexity, how do you personalise learning experiences of learners with different of Hong Riggds (adaptability)?
- For private study or research on the LMOOCs?

Directionality

- Total: 100 LMOOCs
- edX: 28 introductory courses (14% instructor-led; 86% self-paced)
- edX: 13 intermediate courses (15% instructor-led; 85% self-paced)
- edX: 4 advanced courses (100% self-paced)
- Coursera: 33 introductory courses (100% self-paced)
- Coursera: 20 intermediate courses (100% self-paced)
- Coursera: 2 advanced courses (100% self-paced)



Directionality (total:100)

- edX
 - English MOOCs: 30
 - Chinese MOOCs: 2
 - Italian MOOCs: 5
 - French MOOCs: 1
 - Spanish MOOCs 4
 - o Japanese MOOCs: 3
- Coursera:
 - English MOOCs: 36
 - Chinese MOOCs: 8



Usability and consistency

- Clear introduction of course objectives, intended learning outcomes
- Linear/step-by-step learning trajectory units/modules as organisational units of the course
- Fixed features provided by MOOC platforms
- Clear task instructions
- Desktop and mobile versions to enable seamless transition of learning between devices
- Two of the most popular MOOC platforms i.e., edX, Coursera
- Technical support and and users' guides available



Usability and consistency (an example)



Dear student,

We invite you to check in the content 'Introducción al MOOC - MOOC Introduction'. In this section, you will have two very important activities for the start of the course:

Forum "Online Café": The aim of this space, is to provide students with the chance to interact while getting to know each other. The forum is aimed at offering social support outside the academic and formal activities in the other discussion forums. Here you will be able to share, for example; presentations, discussions and invitations. It is a place to introduce yourself and get in touch with your classmates.

Forum "Issues and concerns": This forum is provided as a space for students to raise concerns or issues about technical or logistical aspects of the course or non-academic matters.

To get help with a technical problem, click on 'Help' and send a message to edX Student Support.

We want to encourage you to continue with this learning process and to complete it successfully. As the academic support of the MOOC, we will be aware to solve any incoming issues and provide you at all times an experience that guarantees your learning Education University

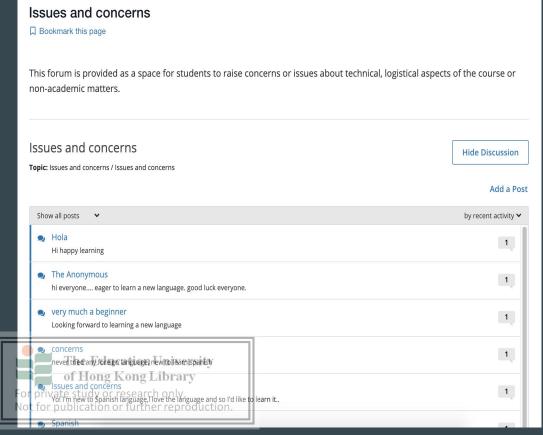
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<u>Source:</u> edX - JaverianaX: AEP1.0x Spanish for beginners: Learn in paradise

Usability and consistency (an example)



<u>Source:</u> edX - JaverianaX: AEP1.0x Spanish for beginners: Learn in paradise

Interactivity

- Among the 100 LMOOCs analysed, 48 LMOOCs include discussion tasks (14 edX;
 34 Coursera).
- Among the 48 LMOOCs which include a discussion component, the majority of them include a discussion task in each module/unit (usually at the end of the module/unit).
- However, these discussion tasks do not really provide the impetus for learners to engage in discussions (e.g., by providing an information gap). They simply adopt the format of a discussion forum. Some tasks are simply exercises which require long answers (e.g., a translation task).



Source: Coursera - Chinese for HSK 1





Where do you live? 你住在哪儿 Nǐ zhù zài nǎr?

Where do you live? Would you like to tell your classmates something about your city/town/village in Chinese pinyin or characters?



Participation is optional

Type	vour	response	here

Renly

Source: Coursera - Chinese for HSK 1



Beta Tester Forum

Hello Beta Testers! Post here If you see an issue with any element of the course that you suspect - but aren't sure - is a problem. Feel free to introduce yourself here as well to connect with your fellow beta testers.

69 threads

Last post 11 days ago

General Discussion

Use this forum to discuss things related to the course that don't belong in any of the other forums.

threads

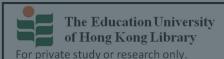
Last post 2 months ago

Meet and Greet

Last post 7 hours ago

Introduce yourself and say hello to your fellow classmates!

threads



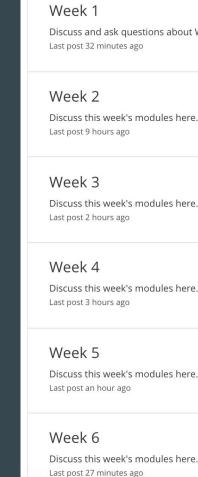
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WEEK FORUMS Week 1 Discuss and ask questions about Week 1.

Last post 32 minutes ago

16843

threads

7138

threads

7307

threads

4082

threads

3746

threads

3419

threads

Week 2

Discuss this week's modules here.

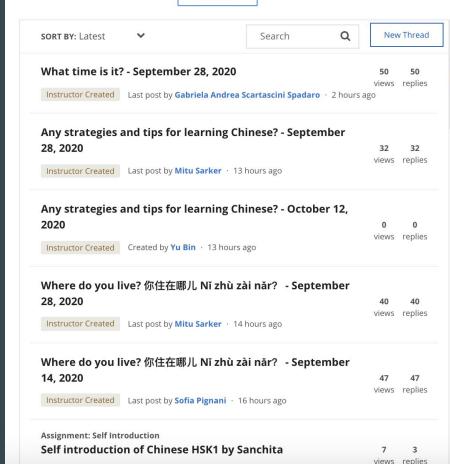
Source: Coursera - Chinese for HSK 1



Discussion Forums

Week 3

Discuss this week's modules here. Subscribe



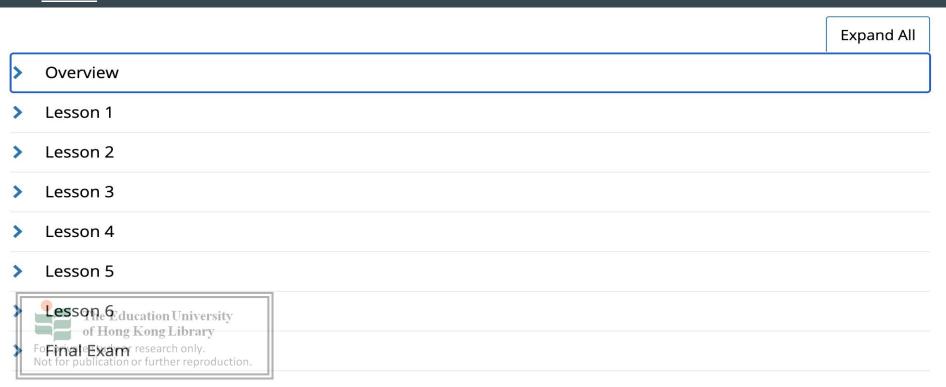
Adaptability

- A linear learning trajectory e,g., from Unit 1 to Unit 7 following a traditional course structure.
- Content is presented from the simplest to the most complex.
- Unit/module format lacks variety e.g., learners are usually asked to complete some tasks after watching a short lecture video or reading/listening to some materials.
- More advanced/less committed learners cannot skip units or parts of a unit.
- For instructor-led LMOOCs, units will only be "released" to learners at a designated time.



Adaptability (an example)

Source: edX - MandarinX: MX103x Mandarin Chinese Level 3

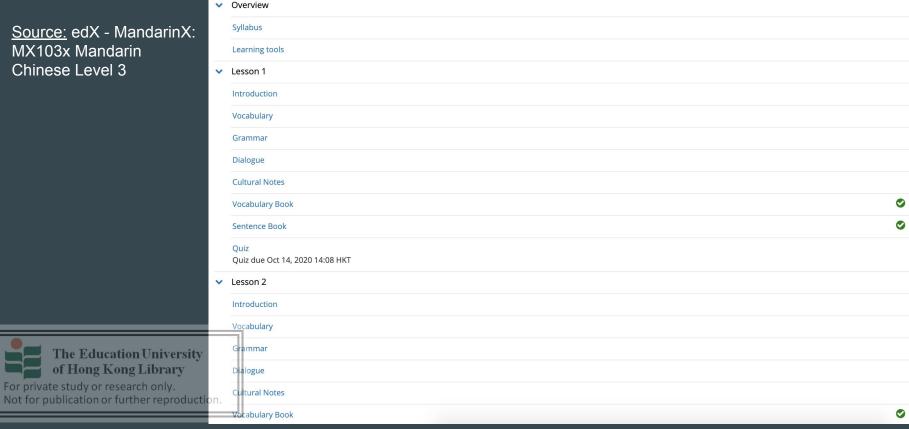


Adaptability (an example)

Source: edX - MandarinX: MX103x Mandarin Chinese Level 3

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Adaptability (an example)



Source: edX - TsinghuaX: TM01xTsinghua Chinese: Start Talking with 1.3 Billion People



Accountability

The most common types of assessment in LMOOCs:

- MCQs
- Fill in the blanks
- Box checking
- Drag and drop
- Drop-down menu
- True/False/ Yes/No
- Open-ended questions (e.g., on discussion forum)



<u>Source:</u> Coursera - Étudier en France: French Intermediate course B1-B2



Compréhension écrite

TOTAL POINTS 5

1.	Cochez la phrase qui correspond le mieux à la situation de Nancy Huston en France :	1 point
	Elle regrette d'être venue en France car elle a le mai du pays.	
	Elle a une « nouvelle » famille : les expatriés de son quartier.	
	Elle est blen intégrée à une communauté.	
	Elle a de bons contacts avec son entourage.	
2.	Pourquoi sa conduite peut-elle étonner les Européens ?	1 point
	Parce qu'elle a déménagé de nombreuses fois durant son enfance.	
	Parce qu'elle n'a jamais éprouvé de nostalgie pour son pays d'origine.	
	Parce qu'elle a l'intention de rentrer chez elle dans trois ans.	
	Parce qu'elle n'a jamais vécu dans une ville plus de quelques mois.	
3.	Dans ce texte, Nancy Huston évoque les différentes sensations qu'elle éprouve quand elle retourne en Amérique du nord Parmi les différentes sensations évoquées ci-dessous, il y en a une qu'elle <u>n'éprouve pas</u> . Laquelle?	1 point
	(Cochez la seule sensation qu'elle n'évoque pas dans la liste ci-dessous).	
	Elle ressent une répugnance physique.	
	Elle se sent très à l'aise immédiatement.	
	Elle éprouve une impression ambivalente.	
	Elle se sent oppressée par la vie quotidienne.	
4.	D'après elle, qu'est-ce qui est le plus difficile lors de ses retours temporaires au pays ?	1 point
	Passer par l'étape de la mauvaise humeur.	
	Réaliser qu'elle n'est plus au courant de la vie culturelle.	
	Ressentir son attachement pour ses proches.	
	Reparler anglais dans sa vie quotidienne.	

<u>Source:</u> edX - UPValenciaX: HIENGLISH201.4x Upper-Intermediate English: Technology Today



An effective website



Pic 01

Every business, however small, can be	nefit (1)	having a website. Yo	ou may want (2)
sell a product	or service or simply provide i	nformation. By having a	web presence you (3)
marketing to	the whole world, which can or	nly mean an increase (4)	
customers. You don't need an expensi	ve professionally produced w	ebsite. With a bit of thou	ught and a web page design
application (5)	as FrontPage or Dreamweav	er, anyone can create a	n effective website.
First you need to plan your website (6)	pap	er. Decide what pages y	ou will need, and (7)
they will link t	ogether. You should start (8)		the homepage and plan the rest of
the website around it.			
This is the page your potential clients w	vill see first, so it needs to be	clear, attractive and invi	ite them to find (9)
more. The wr	tten content and graphics sho	ould persuade the custo	omer (10)
this is something they really want or n	eed.		
It is essential that customers can find t	heir way around your website	e and get the informatio	on they need. When they hit your
homepage, they need to see clearly ho	w to get (11)	other importan	nt pages. Use navigation bars with
unambiguous labels. Each page of the	website should include a link	back (12)	the homepage.

<u>Source:</u> edX - UPValenciaX: HIENGLISH201.4x Upper-Intermediate English: Technology Today



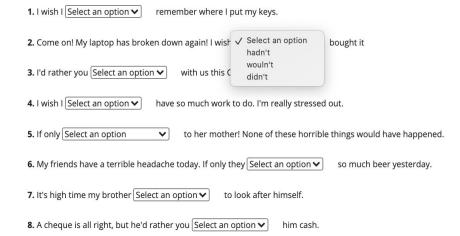
Exercise 1

☐ Bookmark this page

Exercise 1

8 points possible (ungraded)

Read the following sentences and choose the most suitable alternative for each of them.



Source: edX - UPValenciaX: HIENGLISH201.4x Upper-Intermediate English: Technology Today

Writing a project report

☐ Bookmark this page

You are working in London on a very promising research project. The manager or leader of the project wants to publish some of the results you have obtained from a survey among people of various ages. Write a report (150-200 words) describing some of the results or findings, drawing some conclusions and some recommendations for the future as well as suggesting some possible ways to achieve improvements.

For example, you are going to launch a new and very innovative technological device. You have conducted a survey to test the acceptance that this product is going to have among clients.



Pic 01

<u>Source:</u> edX - UPValenciaX: HIENGLISH201.4x Upper-Intermediate English: Technology Today



EXERCISE 1. WORKING IN LONDON

Your Grade: Not Started

This assignment has several steps. In the first step, you'll provide a response to the prompt. The other steps appear below the Your Response field.

	IN PROGRESS
Your Response due Jan 26, 2021 05:45 HKT (in 3 months, 2 weeks)	
er your response to the prompt. You can save your progress and return to fore the due date (Tuesday, Jan 26, 2021 05:45 HKT). After you submit you	
e prompt for this section	
Write your report in 150-200.	
ur Response (Required)	
nter your response to the prompt above.	
Save your progress THIS RESPONSE HAS NOT BEEN SAVED.	
Save your progress THIS RESPONSE HAS NOT BEEN SAVED.	<u>//</u>
u may continue to work on your response until you submit it.	your response and move to the next step
u may continue to work on your response until you submit it.	your response and move to the next step
u may continue to work on your response until you submit it.	your response and move to the next step
u may continue to work on your response until you submit it.	
u may continue to work on your response until you submit it. Submit	
u may continue to work on your response until you submit it. Submit	NOT AVAILABLE

4. A Proposed Design Framework for LMOOCs





Communicative Language Teaching Approaches

The preliminary findings of the review of the features of the LMOOCs

Theoretical
Underpinnings
for the
Proposed
Framework

The role of feedback in second language acquisition



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