

MOOC is a course!

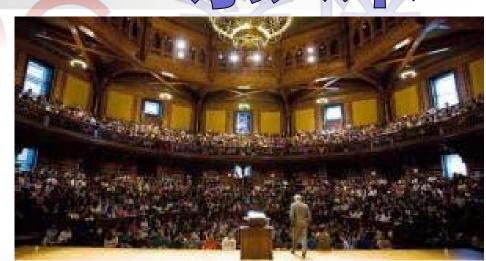
Tsinghua Univ Yuchun Ma





Massive

Open



Online











TsinghuaX

查看课程

60240013x Combinatorial Mathematics

电子邮件设置 未注册

课程开始时间-2014年10月16日00:00 UTC









	课程页面 课程信息 论坛 维基 进度 SYLLABUS DEMO 主讲教师							
	在职员界面查看更新 课程动态 & 新闻	课程讲义 Week 2 Week 3 Week 4						
	■ DECEMBER 8, 2014 Polya Counting Part II	Week 5 Week 6 Week 7 Week 8						
The second part of Polya Theorem has been published as well as the homework, please take your time.								
	And please pay attention. The deadline for the homework of this session would be December 22.							
	Our final evaluation would begin around this Friday with more than 1 week duration. :-)							



课程页面课程信息	论	坛 维基	进度	SYLLABUS	DEMO	主讲教师	
Talking About Combinatorial Mathematics		TALKI	NG ABC)UT COMBI	NATORIA	l mathema	TICS
What's Combinatorial Mathematics		您最近在	EBrute-fo	rce Enumarati	on OR Abstr	act Conversion。	如果您已经完成此章节,请选择左侧的另一个章节。
The Most Ingenious Arrangement - Magic Square QUIZ 到期日2014年10月30日 23:30 UTC	Ö						
Suffering Parchment Roll QUIZ 到期曰2014年10月30日 23:30 UTC	Ö						
Is Your Phone Password Safe QUIZ 到期日2014年10月30日 23:30 UTC	ଷ						
Brute-force Enumaration OR Abstract Conversion QUIZ 到期日2014年10月30日 23:30 UTC	Ö						
Homework 1 HOMEWORK 到期日2014年10月30 日 23:30 UTC	Ö						
Demo Of Week 1							

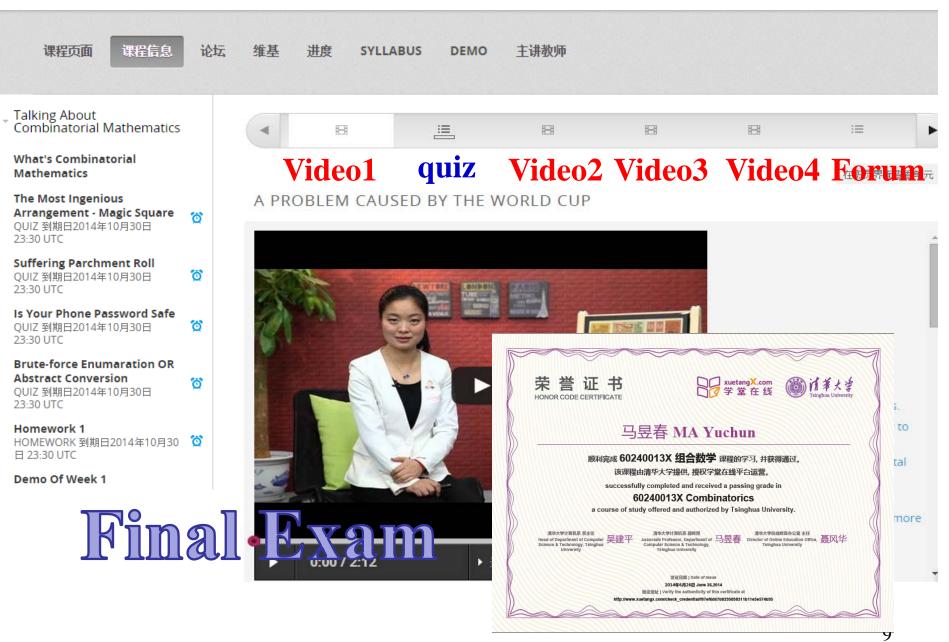












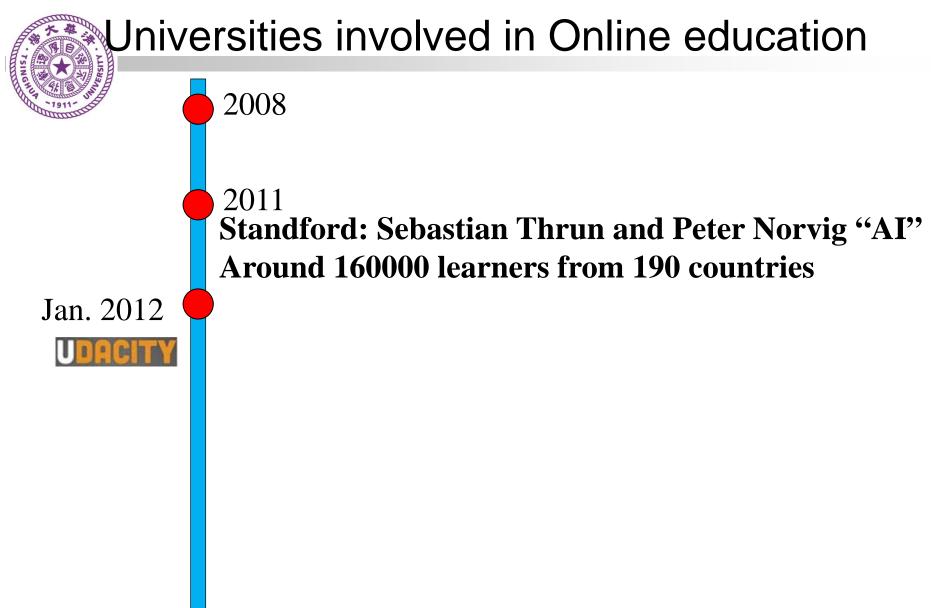


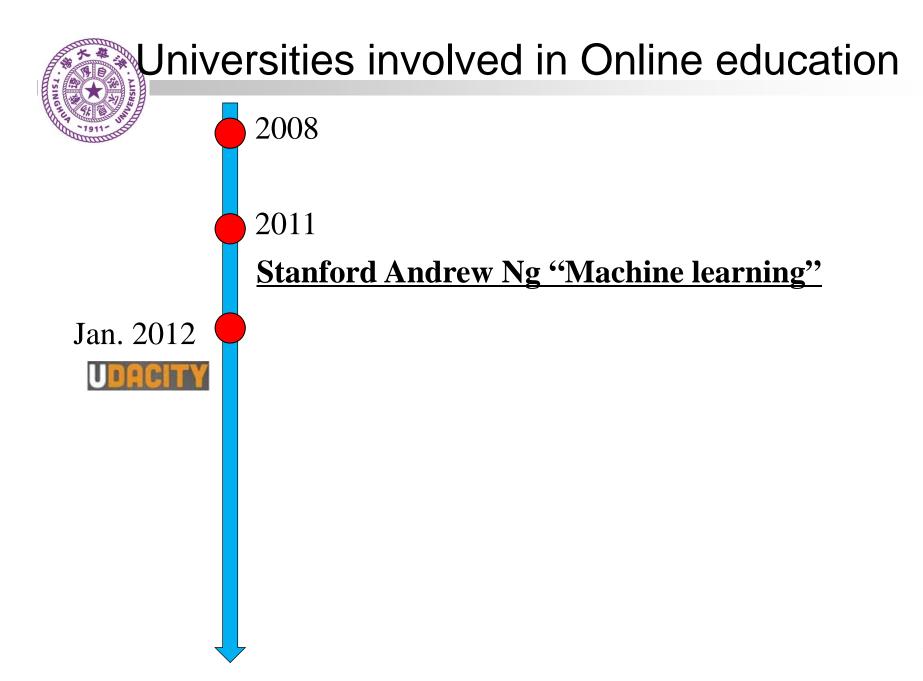
TsinghuaX: 60240013x Combinatorial Mathematics

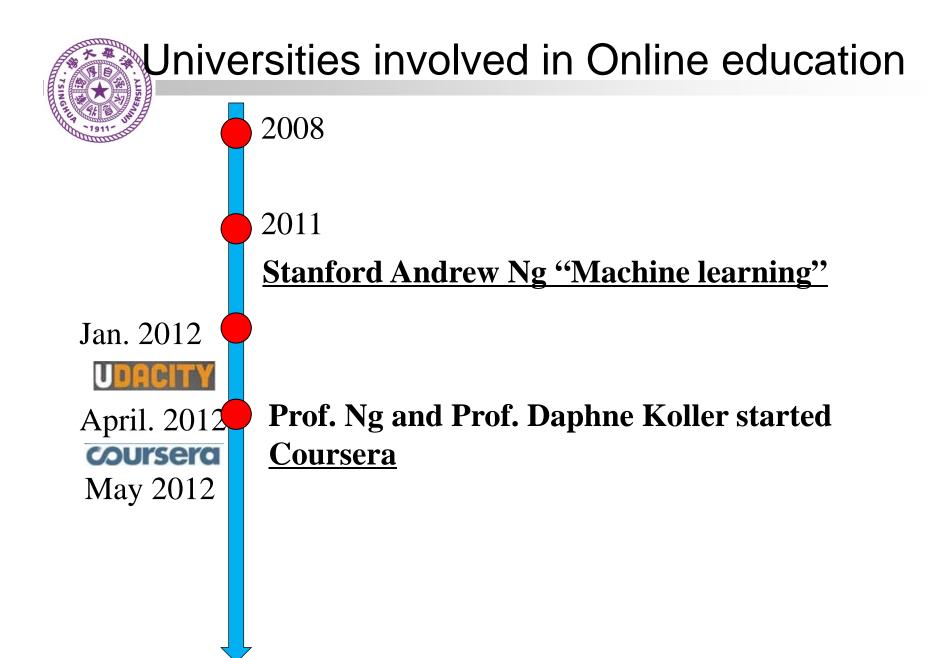
course 论坛 主讲教师 课程页面 课程信息 维基 SYLLABUS DEMO 进度 ich is put online Talking About Combinatorial Mathematics What's Combinatorial quiz Video2 Video3 Video4 Forum Video1 Mathematics A PROBLEM CAUSED BY THE WORLD CUP The Most Ingenious Arrangement - Magic Square Ö OUIZ 到期日2014年10月30日 23:30 UTC Suffering Parchment Roll Ö OUIZ 到期日2014年10月30日 23:30 UTC Is Your Phone Password Safe Ö OUIZ 到期日2014年10月30日 23:30 UTC Brute-force Enumaration OR Abstract Conversion Ö 荣誉证书 □□ xuetangX.com 江著大学 QUIZ 到期日2014年10月30日 学堂在线 HONOR CODE CERTIFICATE 23:30 UTC Homework 1 马昱春 MA Yuchun to HOMEWORK 到期日2014年10月30 🙆 E 23:30 UTC 顺利完成 60240013X 组合数学 课程的学习, 并获得通过。 tal 该课程由清华大学提供,授权学堂在线平台运营。 Demo Of Week 1 successfully completed and received a passing grade in 60240013X Combinatorics a course of study offered and authorized by Tsinghua University. Fina more m ポインサ17時は馬 都教育 Associata Professor, Department of 马昱春 Divertor of Online Education Office, 聂风华 Telngbus University Telngbus University 清华大学计算机系 系主任 吴建平 id of Department of Compu ence & Technology, Tsingh 发证日期 | Date of Issue 2014年6月26日 June 26,2014 π

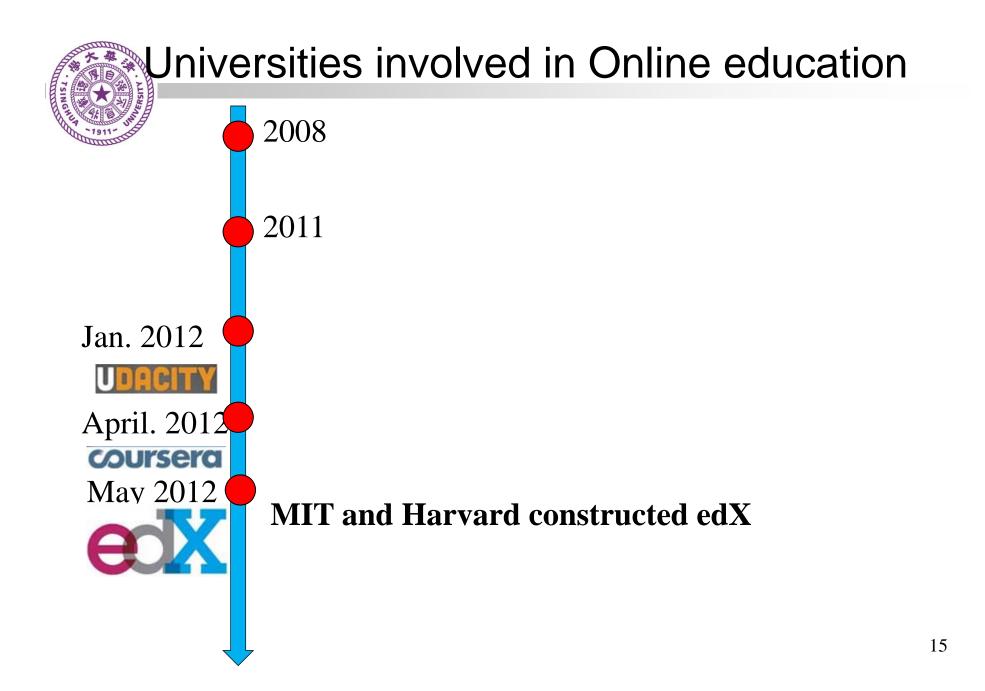
Universities involved in Online education

2008 MOOCs origined from US and Canada universities













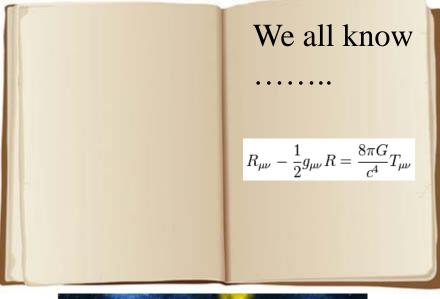
Why they want to learn MOOC?

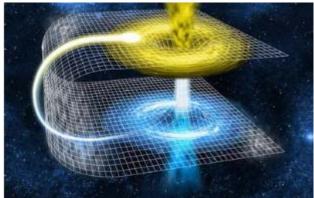
Combinatorial Mathematics is an useful class, please choose the reason you learn it:

- personal interest in combinatorics
 - natorics
- to prepare for pre-postgraduate exams
- for the high school exams
- a required course in university
- to enter competitions in informatics
- as job interview preparation
- want to get a certificate of Tsinghua University
- curious about a MOOC taught by a female professor from Tsinghua
- else



Nice to have vs Need to have





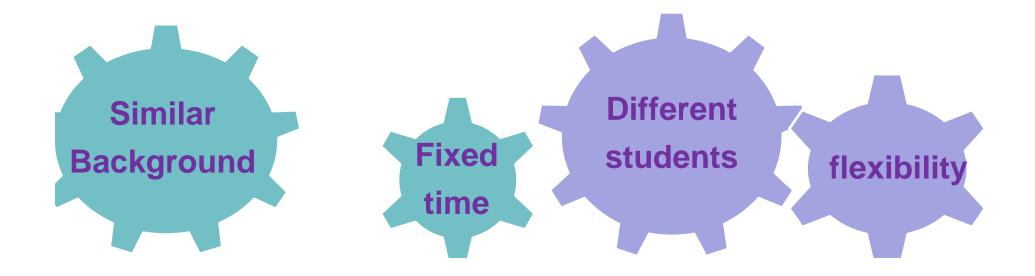
Interstellar



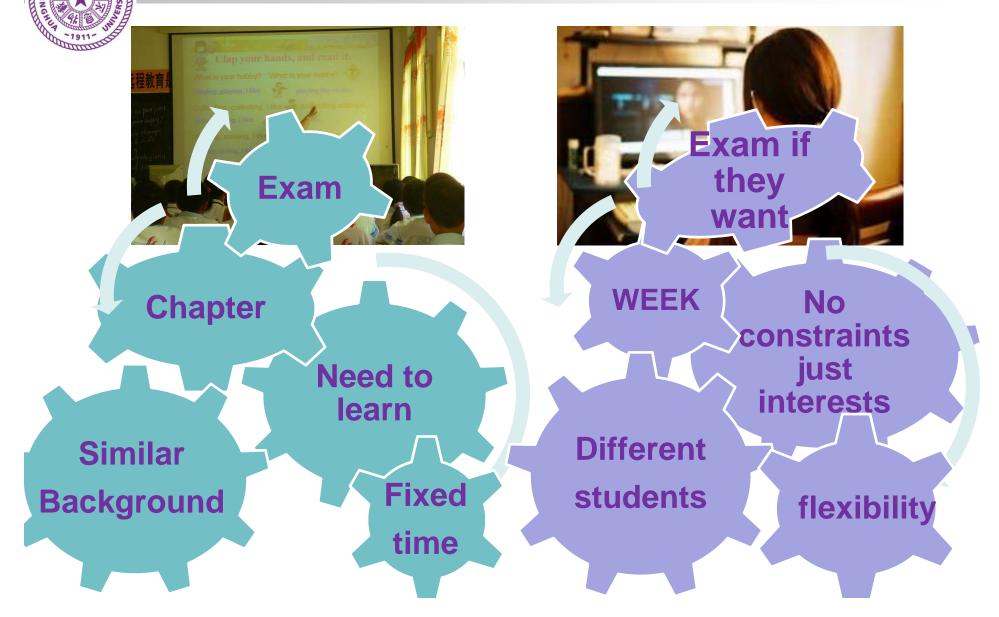
Traditional Course vs MOOC







Traditional Course vs MOOC



Traditional Course vs MOOC





How to teach a MOOC?



Make your course real





Make your course real





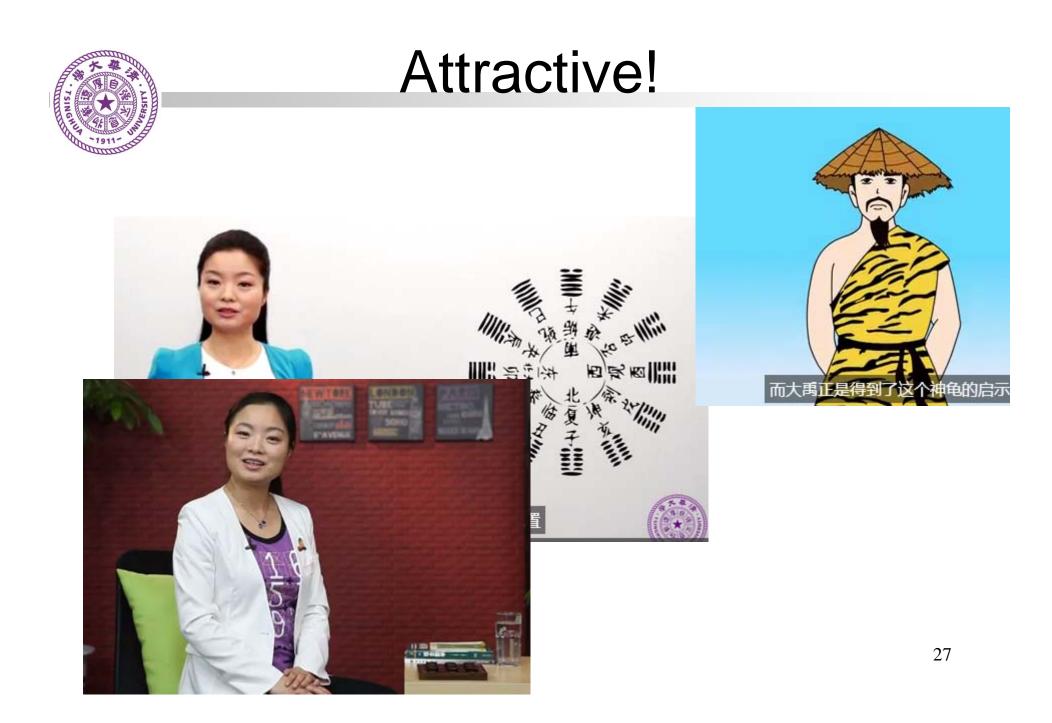
Make your course

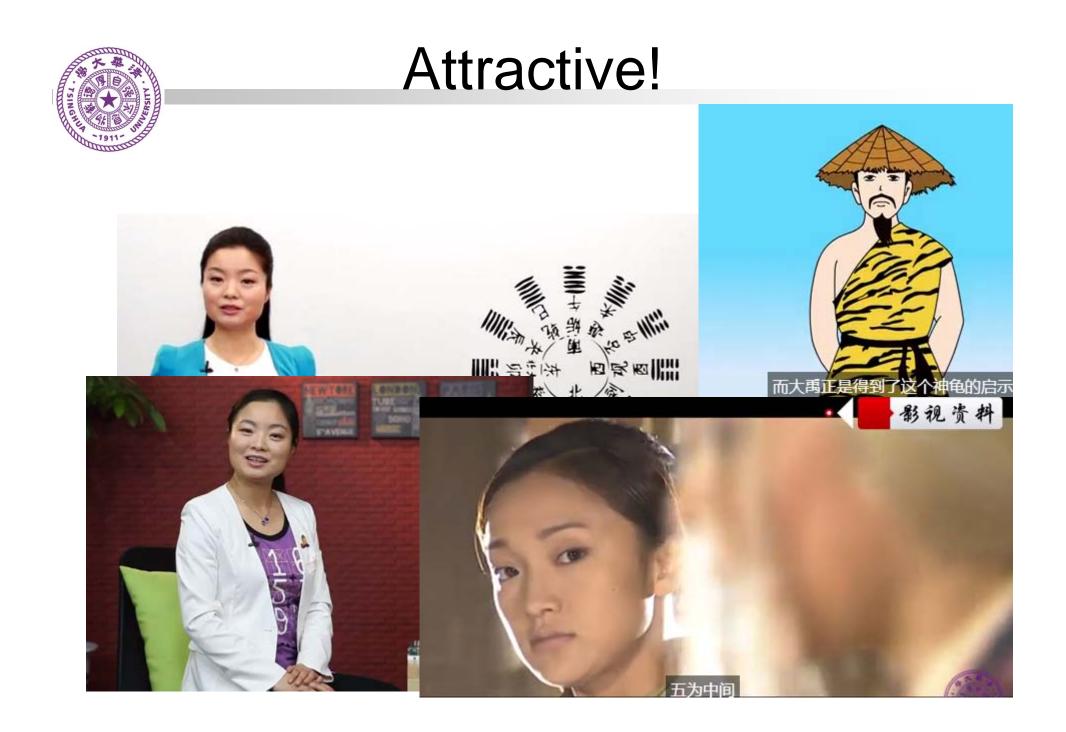


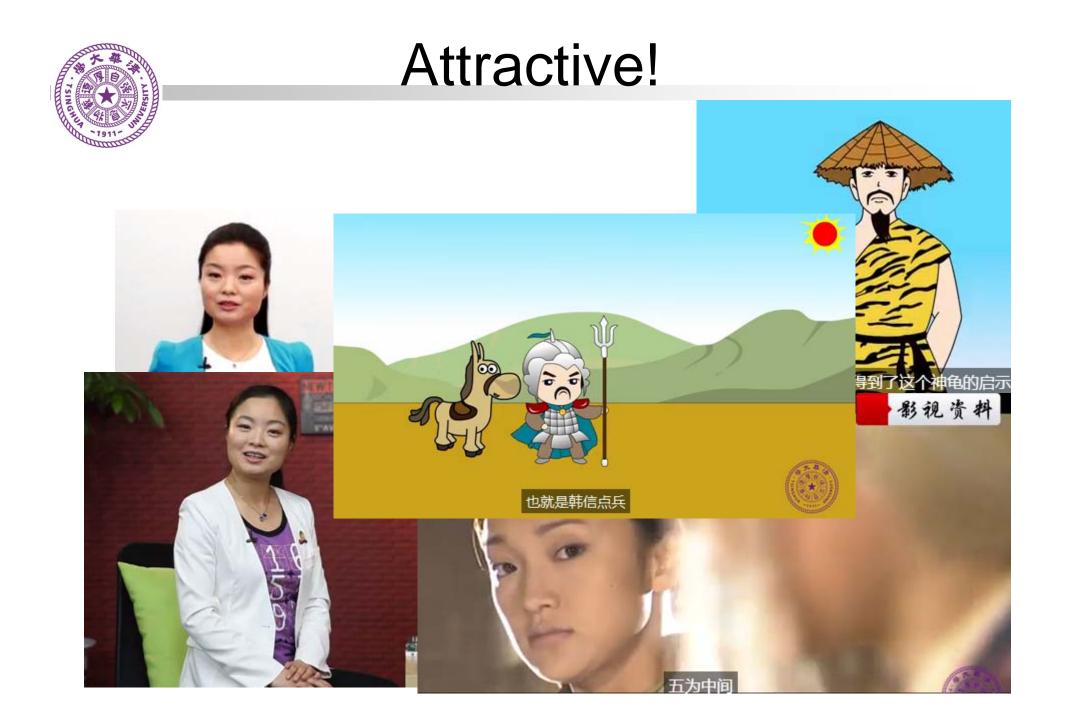


Attractive!











Ideal Learning

- Learn where and when as you want
- Project-driven learning
- Question-driven learning
- Face to face
- Virtual lab
- Flipped course



MOOC is the course for learners!