MOOC-based course to credit course in CNMOOC

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The MOOC Office of Shanghai Jiao Tong University

好大学在线 CNMOOC

Contents

- **Traditional Classroom teaching in SJTU**
- From traditional classroom teaching to MOOC
- Credit MOOC Course in CNMOOC
- From MOOC to Flipped Classroom

Zoology Curriculum

NO	Course Number	Course Title	type	Credit	Hours	Term	Remark
1	MA005	Advanced Mathematics（C）	required	3	54	1	
2	EN001	College English（1）	required	4	72	1	
3	**TS008**	**Veterinary medicine**	**optional**	**2**	**36**	**3**	**1 in 2**
4	**TS012**	**Animal immunity**	**optional**	**2**	**36**	**3**	**1 in 2**

Courses

Program of the department of Mathematics

id	course id	Course name	type	credits	period	No. of class	No. of students
1	MA005	Advanced Mathematics (C)	required	3	54	50	1200
1	**MA006**	Advanced Mathematics **(D)**	**required**	**3**	**54**	**50**	**1200**

The plan of workload, arrangements and resources

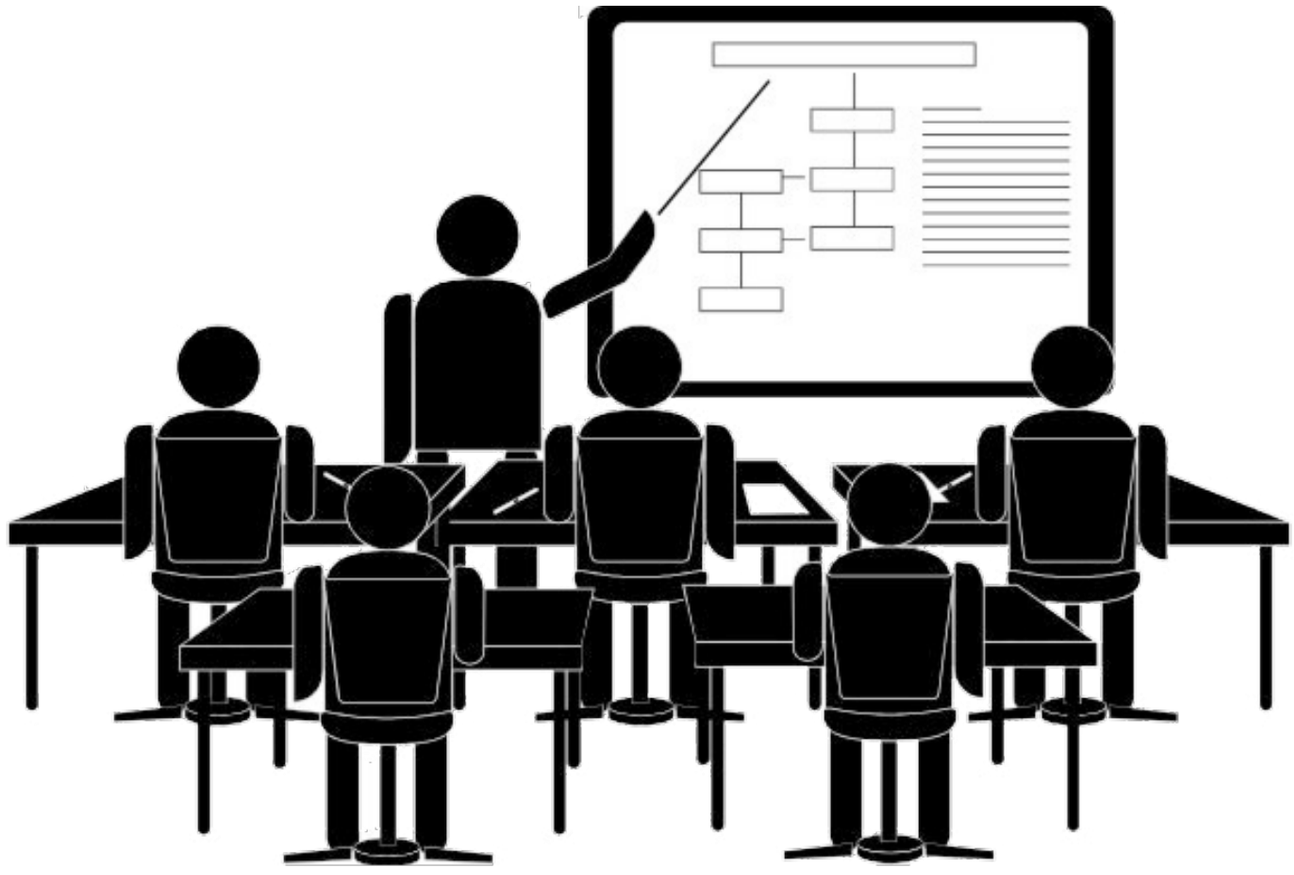
Teaching Plan

Course plan of School of Agriculture and Biology

id	Course id	Course name	depar tment	type	credit	perio d	seme ster	No. of stude nts
3	TS008	Veterinary medicine	AGRI	optio nal	2	36	3	10
4	TS012	Animal immunity	AGRI	optio nal	2	36	3	10

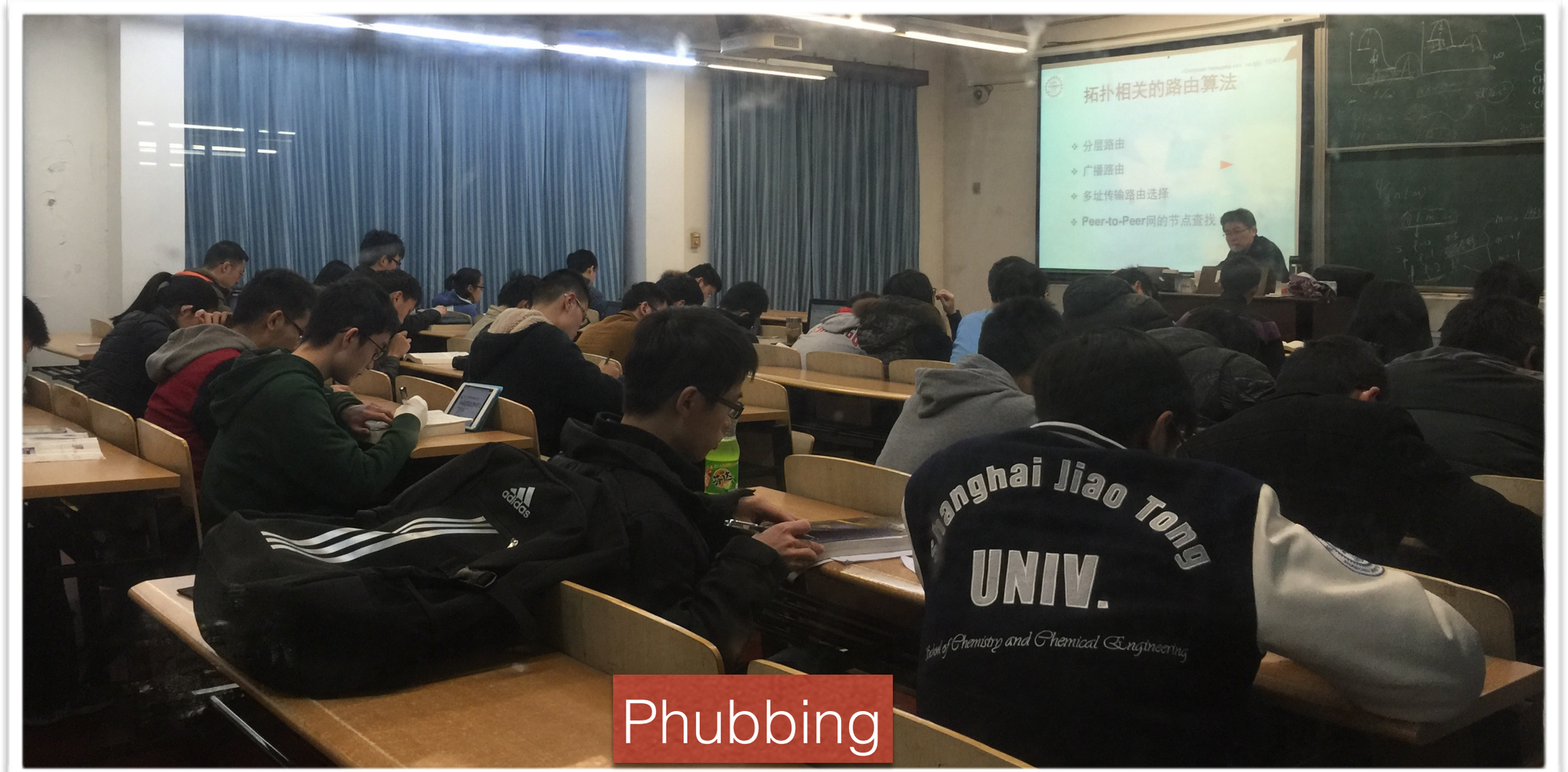
The pressure of professional courses

Traditional Teaching class



- The capacity of the course is limited by the teachers not by the students' demands
- Teaching effect is not assessed

Traditional Classroom

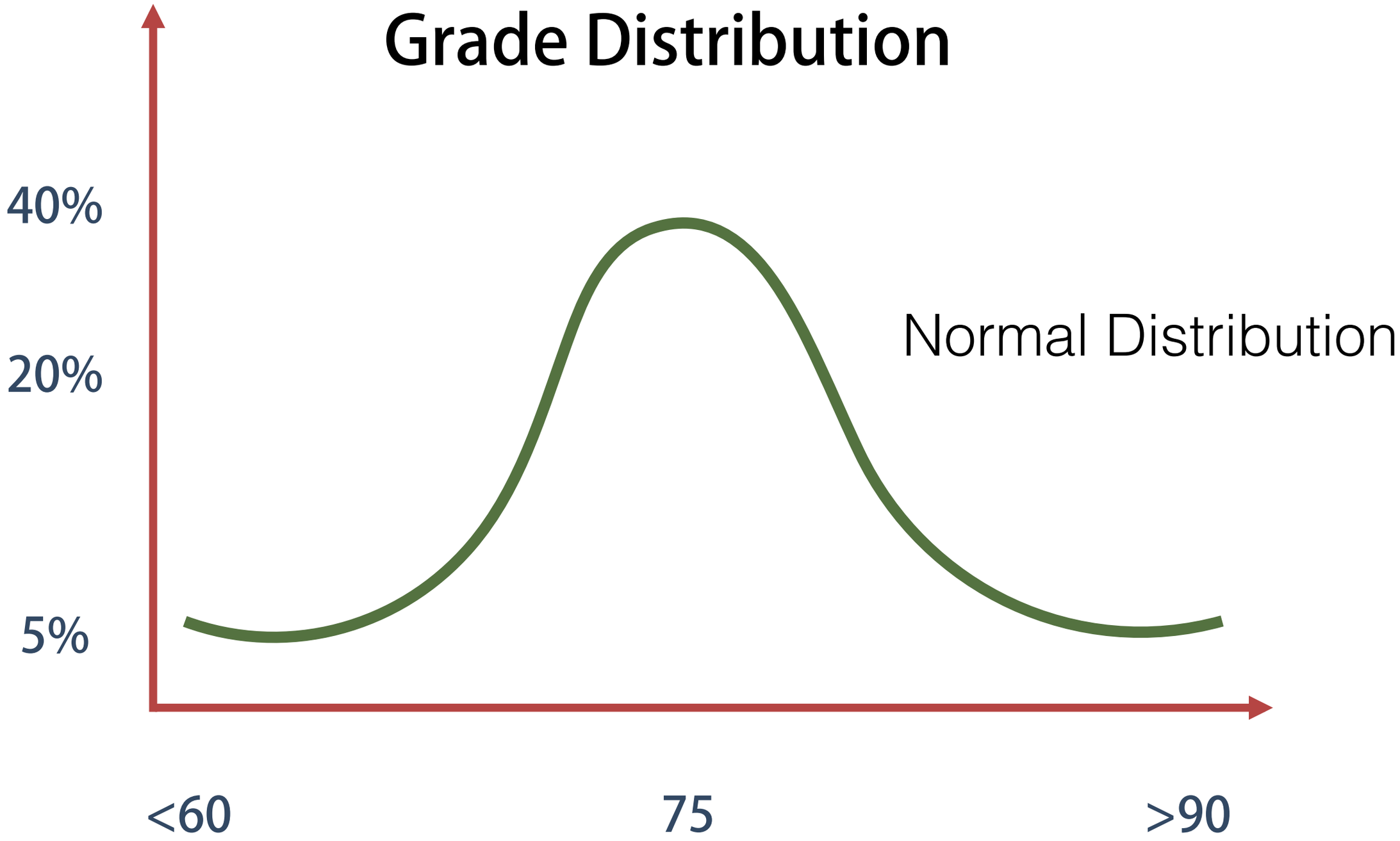


Traditional classroom teaching does not work effectively: most students play their mobile phones instead of focusing on class.

Traditional Classroom

- The students sit far from the teacher and talk to each other
- Classroom teaching become just formalism not interaction and study

Traditional Classroom



Seats and Grade Distribution

Classroom teaching in SJTU

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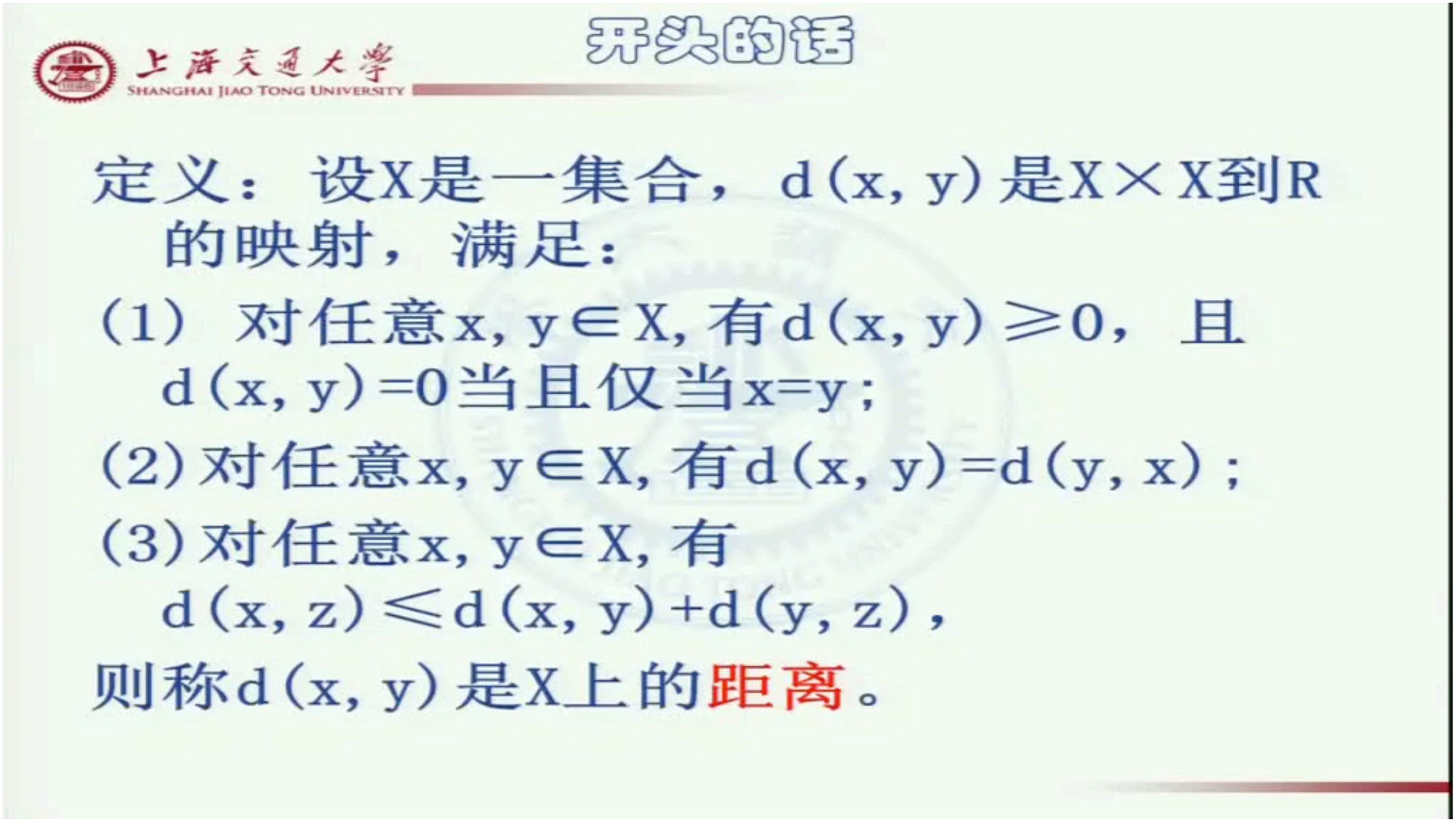
Classroom Video

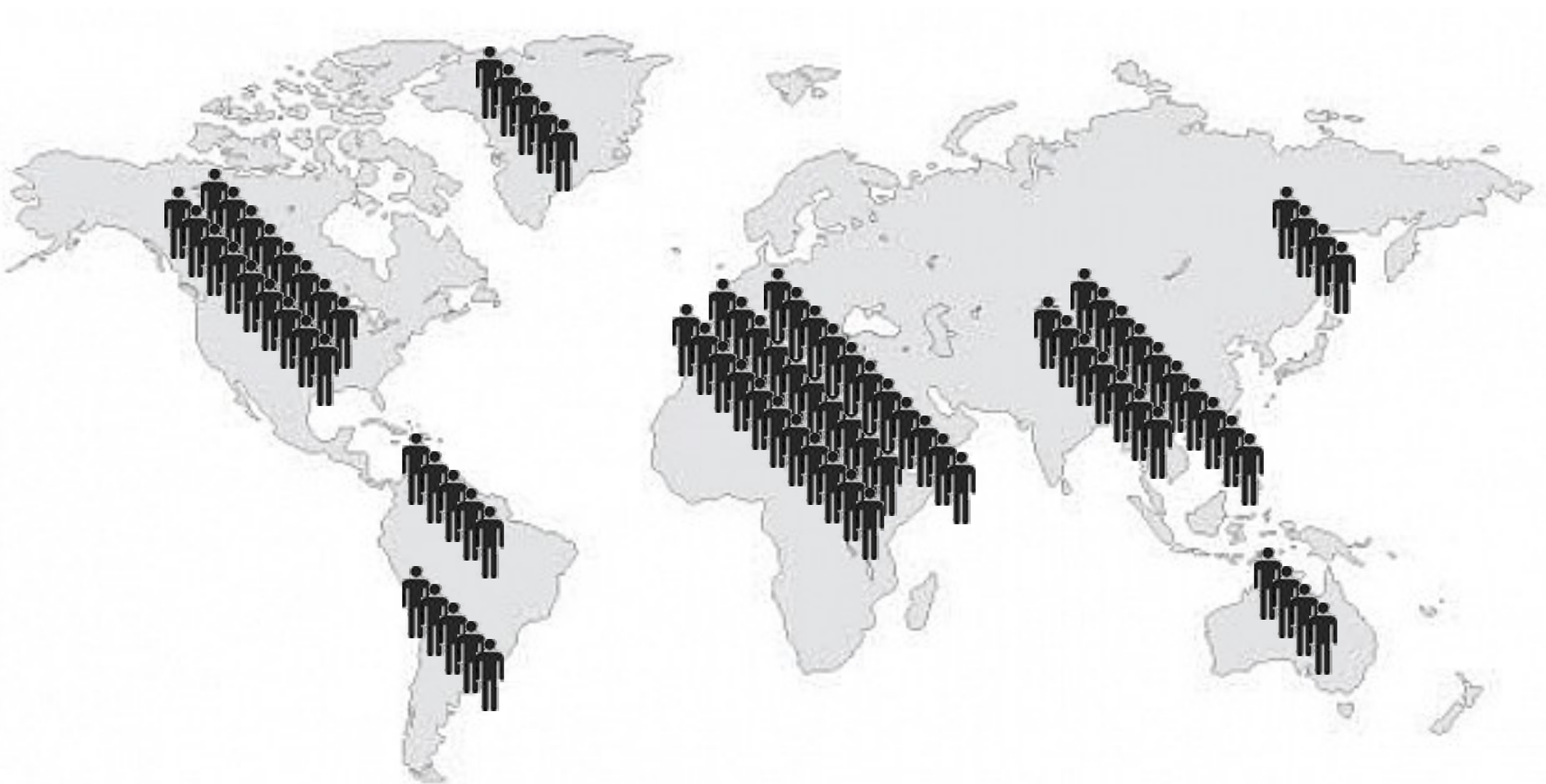


45 minitues Traditional Classroom Teaching make student boring

MOOC Course Video

Break up material into thematic segments of 8 to 15 minutes.

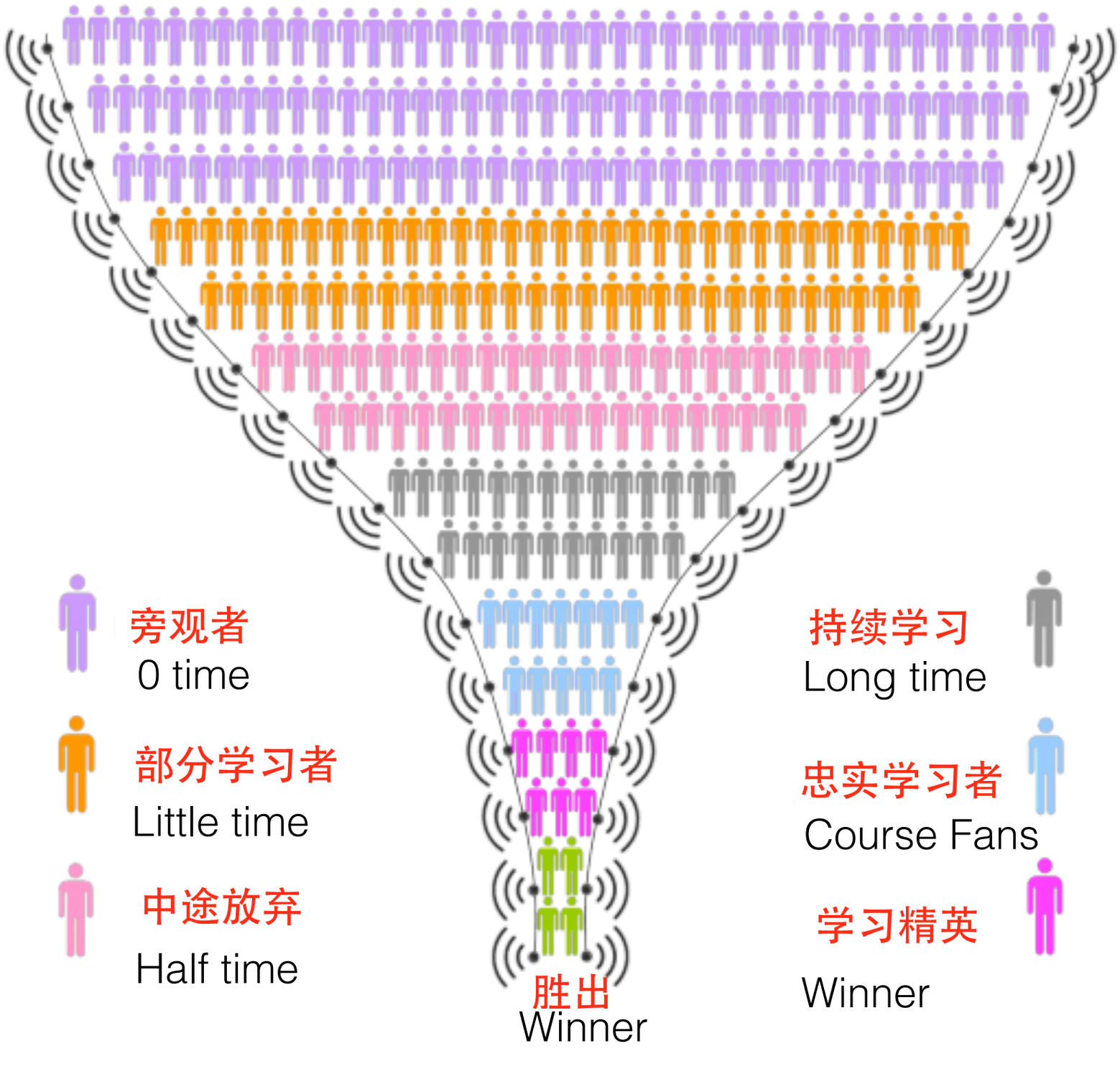
MOOC Classroom



MOOC Learners from world

1000

Funnel Effect



50%

20%

10%

8%

5%

4%

3%

旁观者
0 time

部分学习者
Little time

中途放弃
Half time

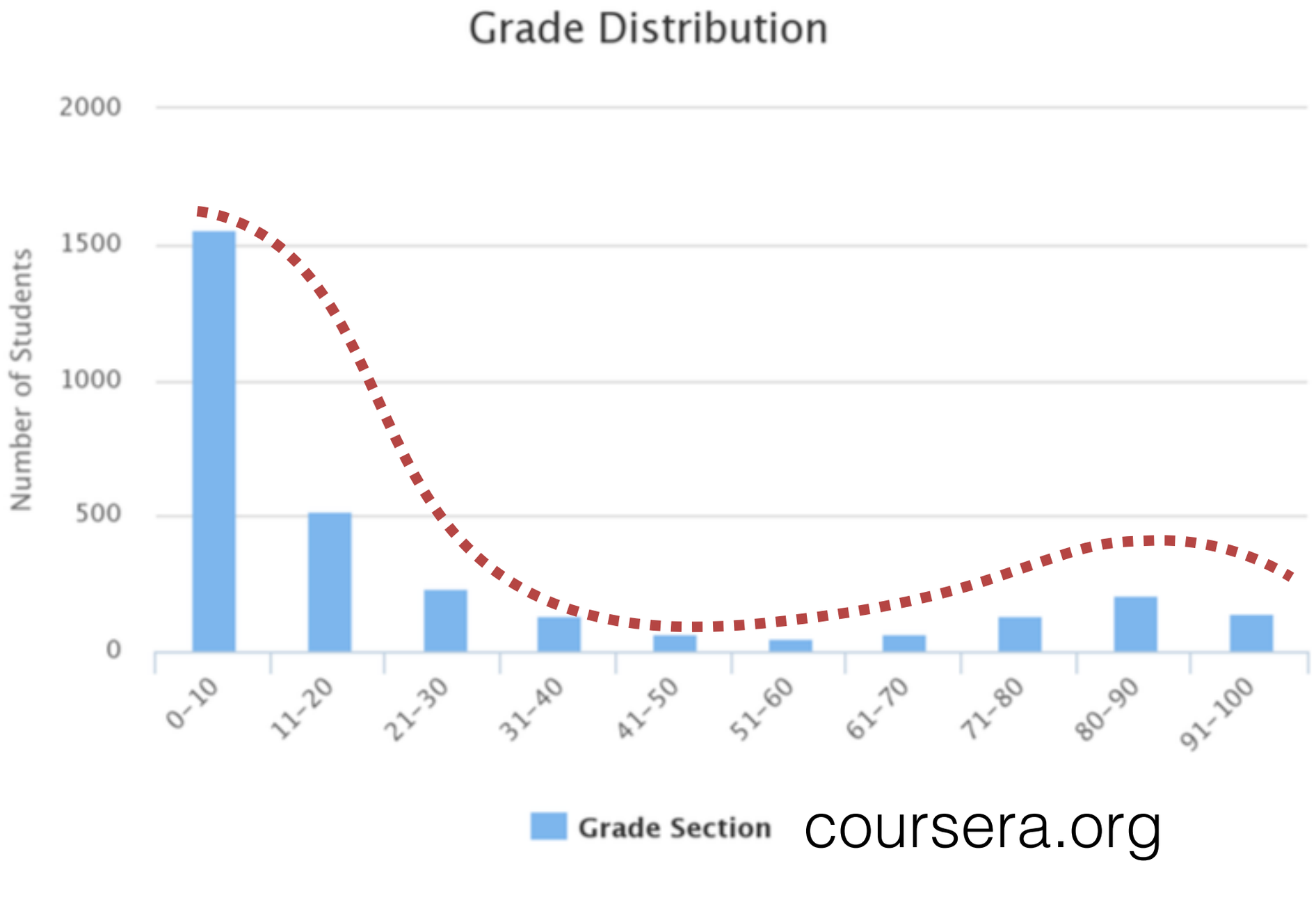
胜出
Winner

持续学习
Long time

忠实学习者
Course Fans

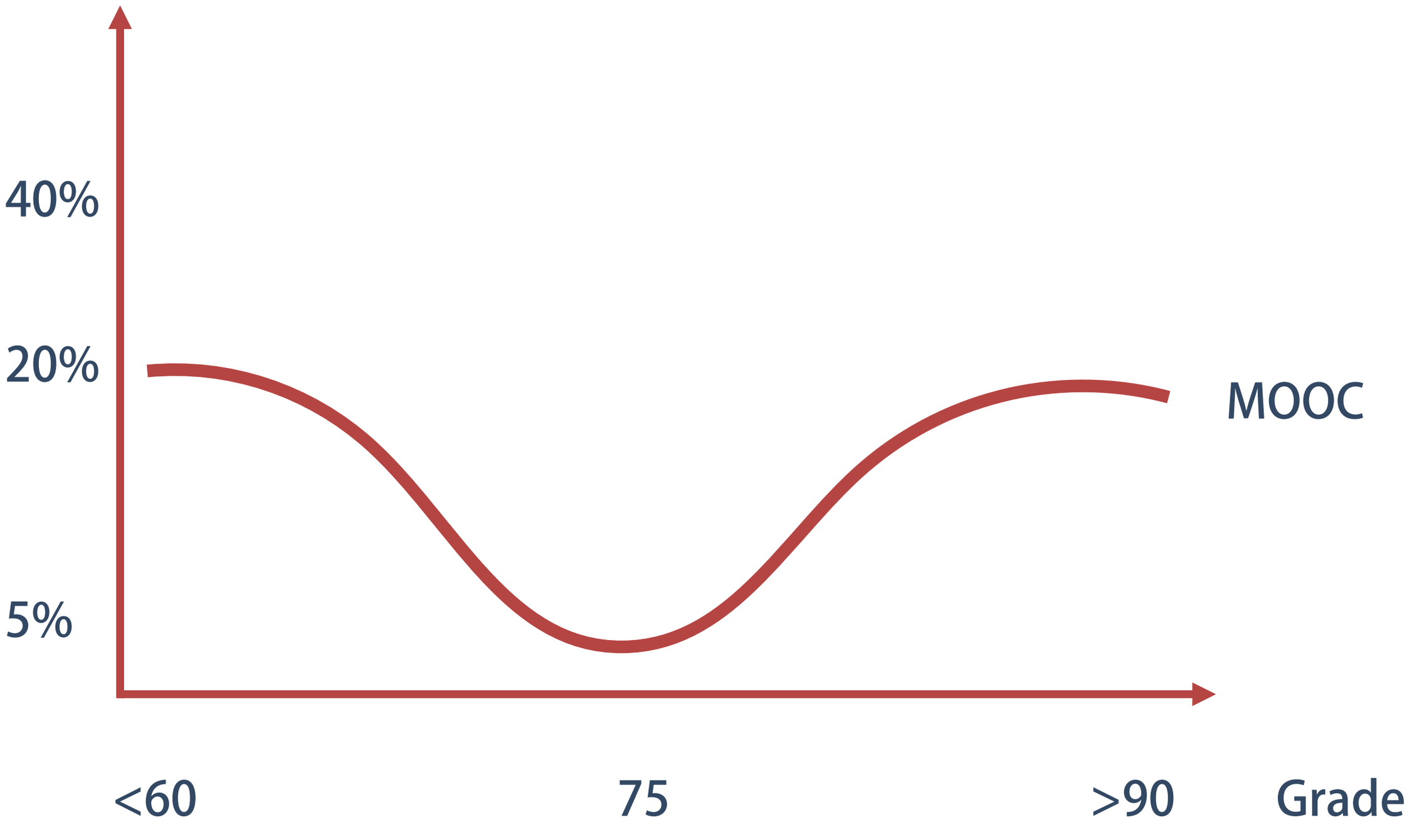
学习精英
Winner

Grade distribution of traditional Chinese medicine and culture

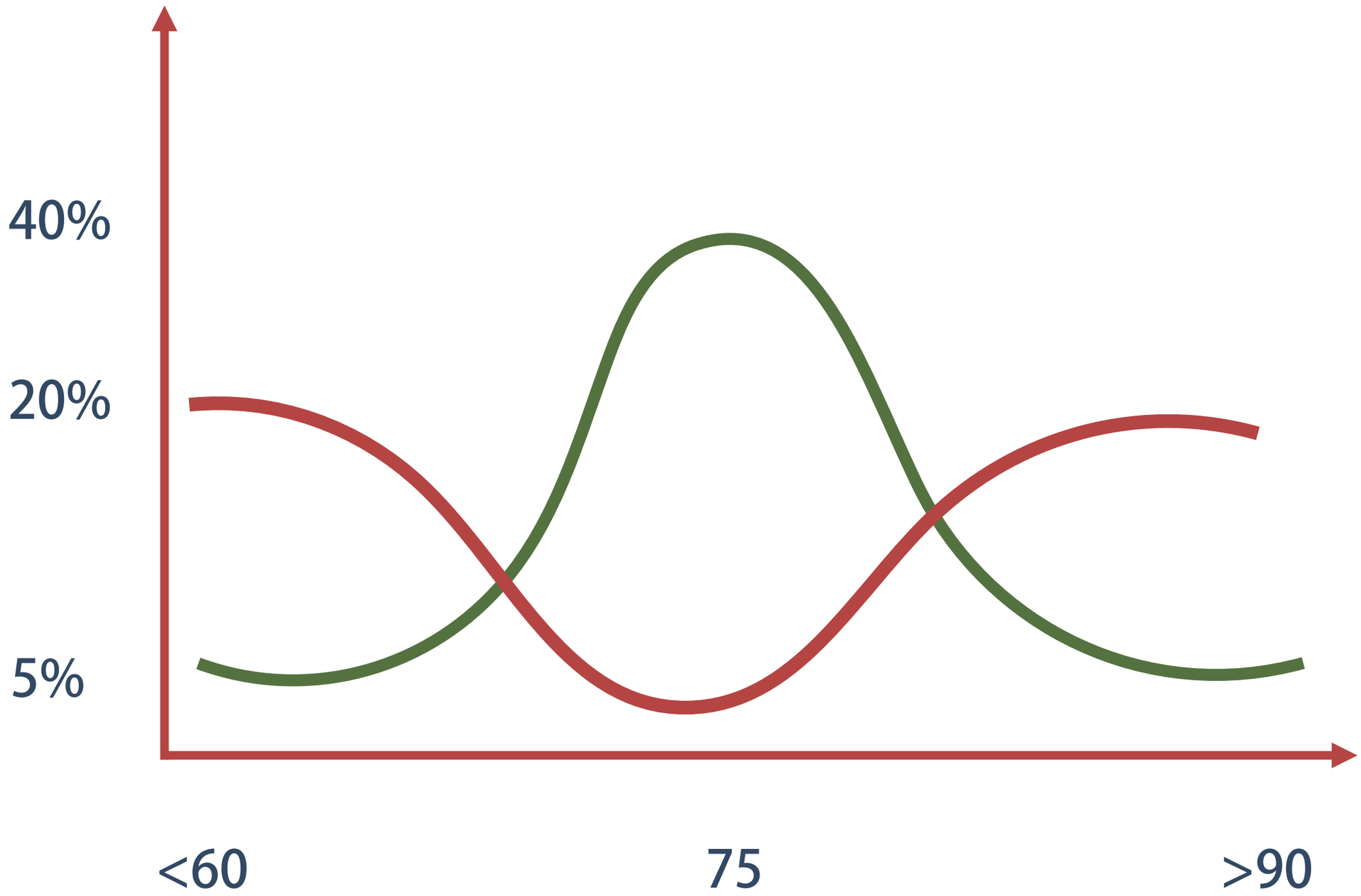


coursera.org

MOOC: Abnormal Distribution



Traditional Classroom Vs MOOC Classroom



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Credit MOOC Course in CNMOOC

More than 400 universities and 200K students from China

Credit MOOC Course in CNMOOC

好大学在线 CNMOOC

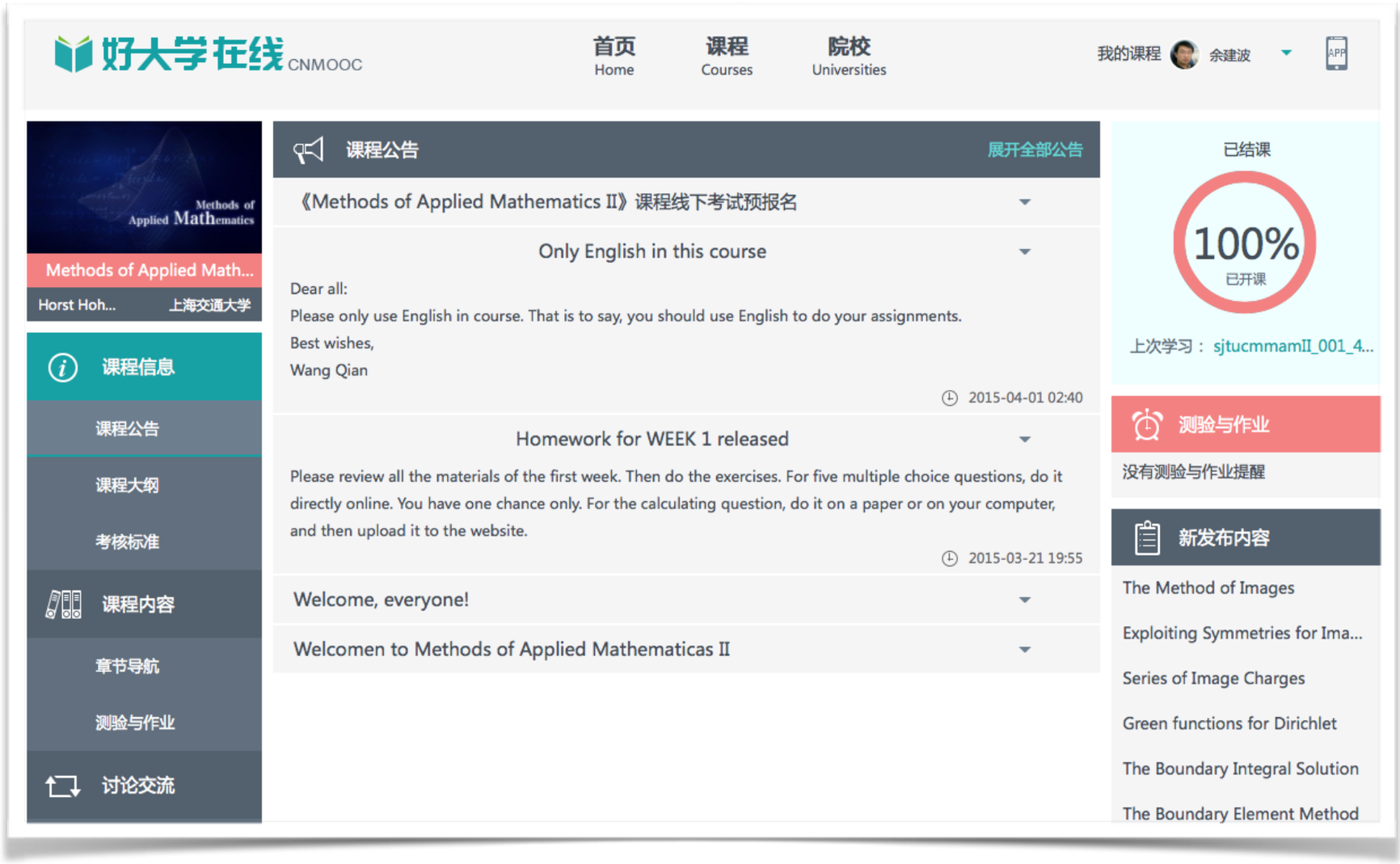
Credit MOOC Course in CNMOOC

长江大学 YANGTZE UNIVERSITY

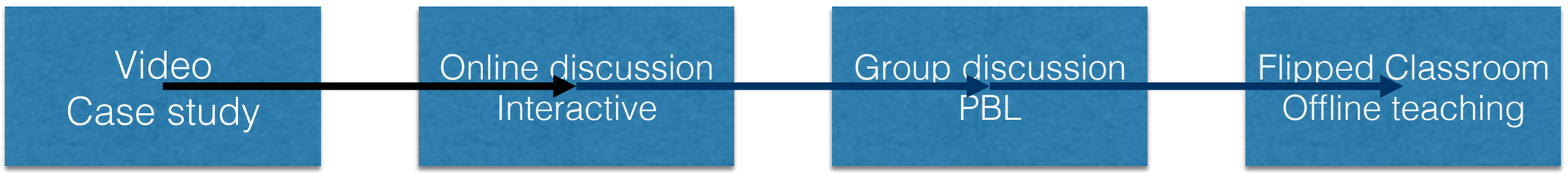
Online Learning

Online Forum

Online Test



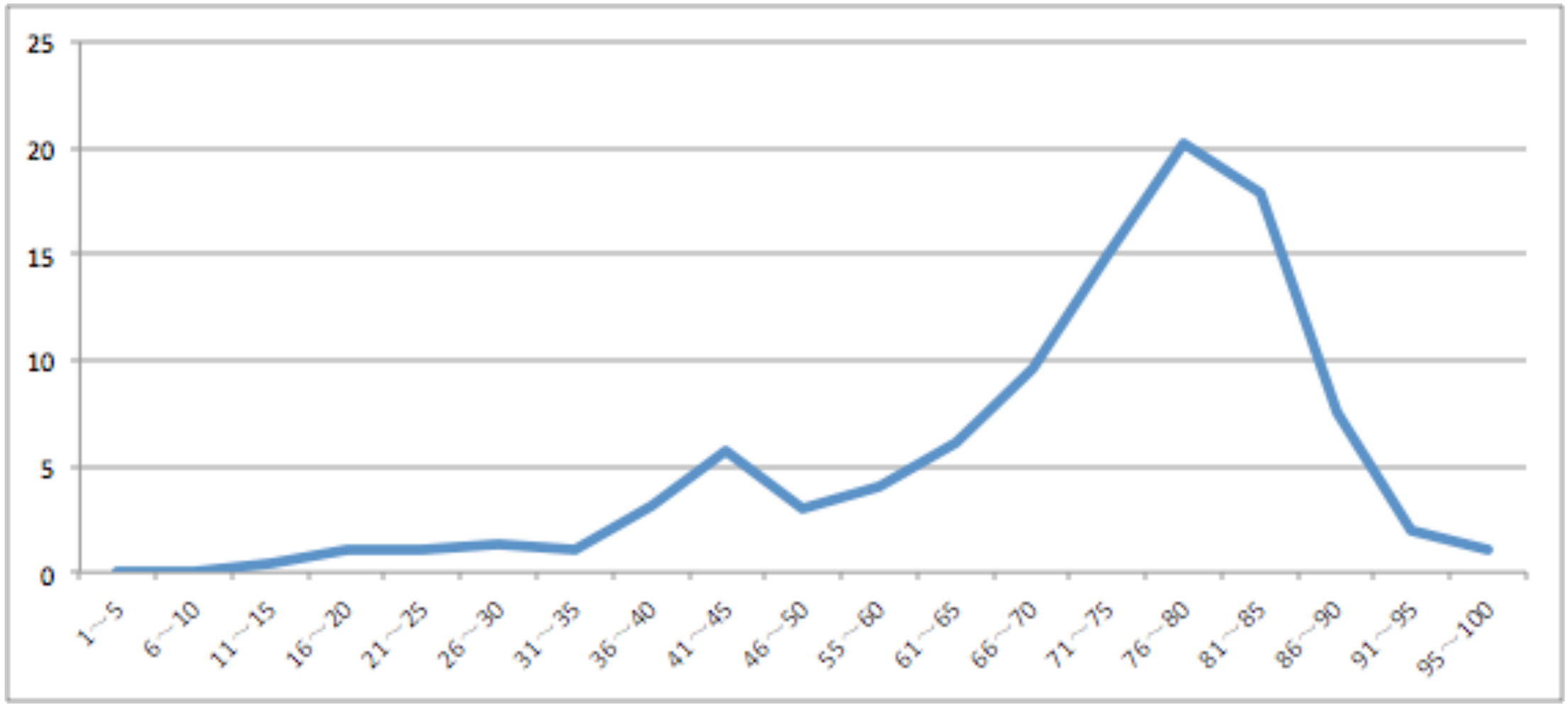
Credit MOOC Course in CNMOOC



Team work report

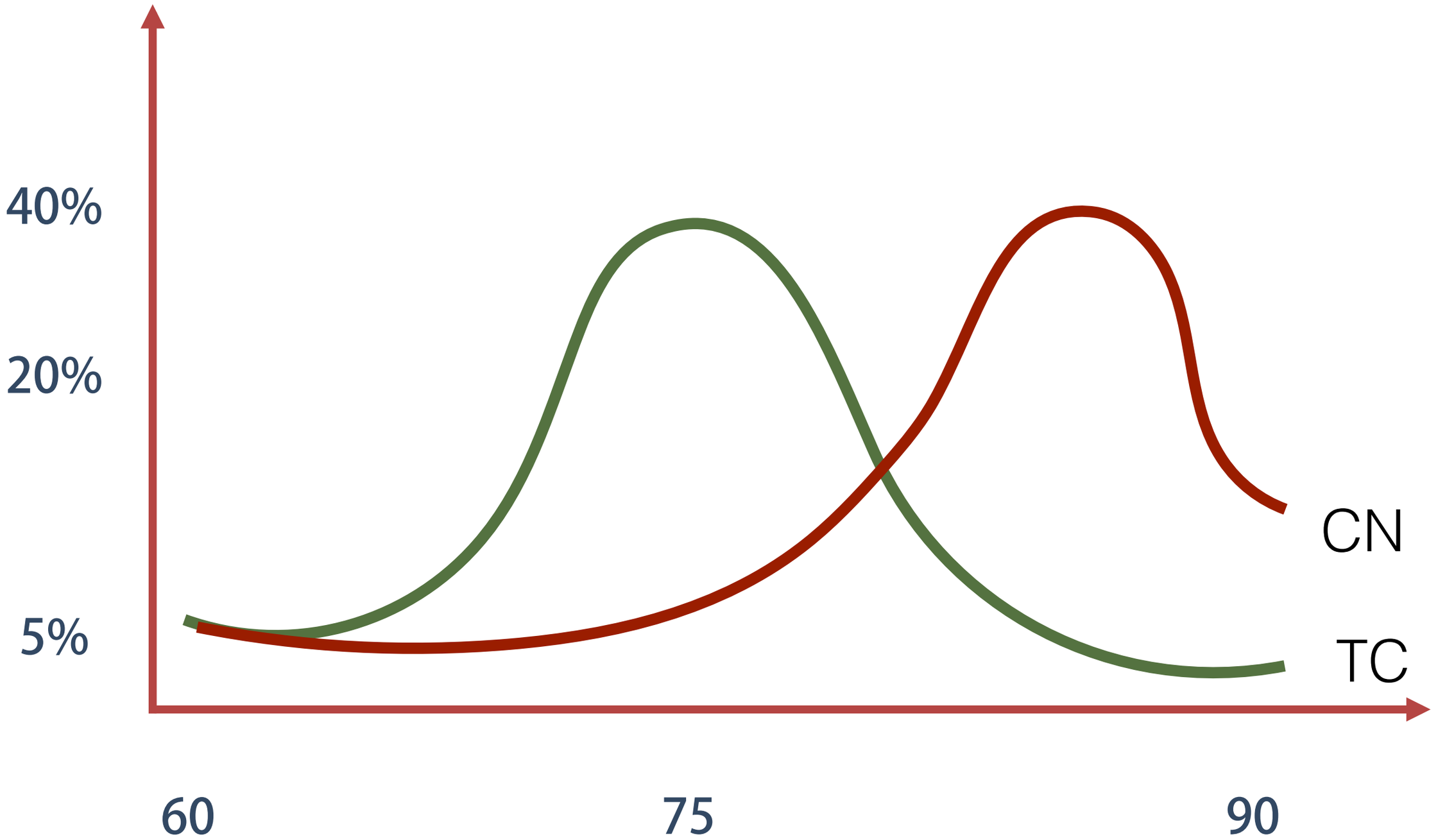
Practice Based Learning

Credit MOOC Course in CNMOOC



Grade distribution of traditional Chinese medicine and culture of 2014 autumn

Credit MOOC Course in CNMOOC Vs Traditional Classroom Teaching



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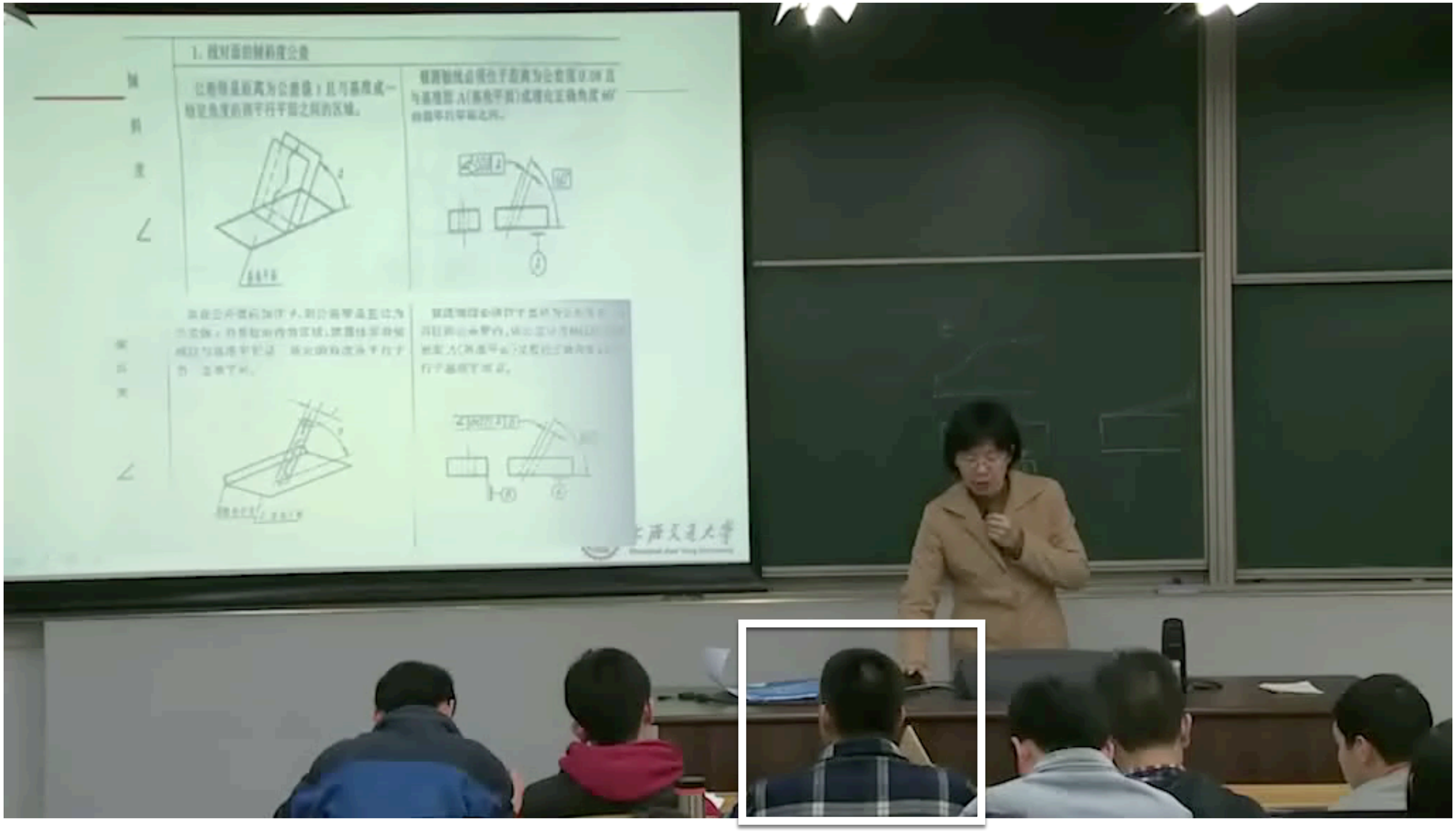
Engineering Graphics in Traditional Classroom



Shaking Fan

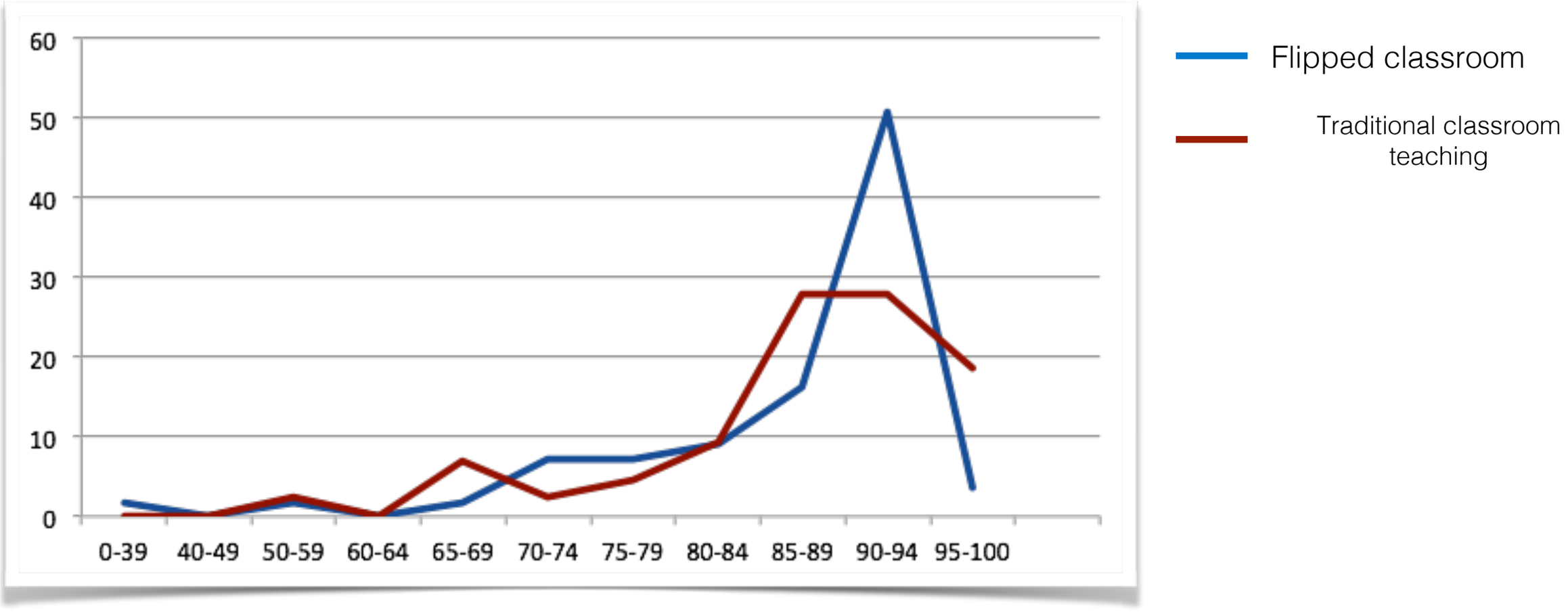
Engineering Graphics in CNMOOC

Easy to study for online learners

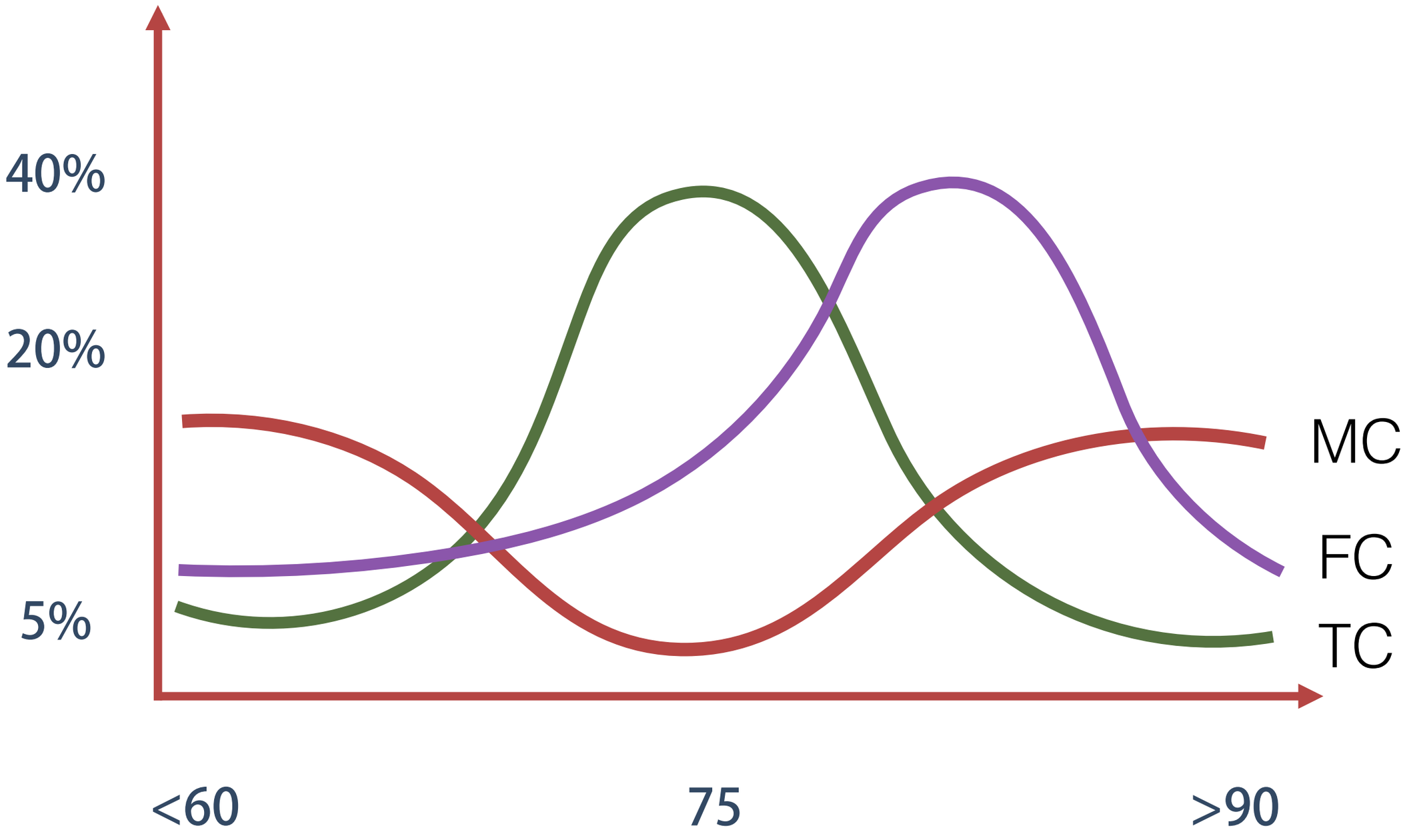
From MOOC to Flipped Classroom

After online video study on CNMOOC SPOC site
Problem Based Learning in Flipped Classroom

From traditional classroom teaching to flipped classroom



The Grade Distribution from Different Teaching and Learning Mode



Thanks

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