



Vrije Universiteit Brussel

Building Blended Learning Experiences Around MOOCs:

A pilot study

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Course redesign with MOOCs

- How can MOOCs be used in higher education?
 - Redesign an existing campus-based course into a blended one
 - Course redesign: time-intensive (if starting from scratch)
 - MOOCs present a new option for the blended course design e.g. flipped classroom approach

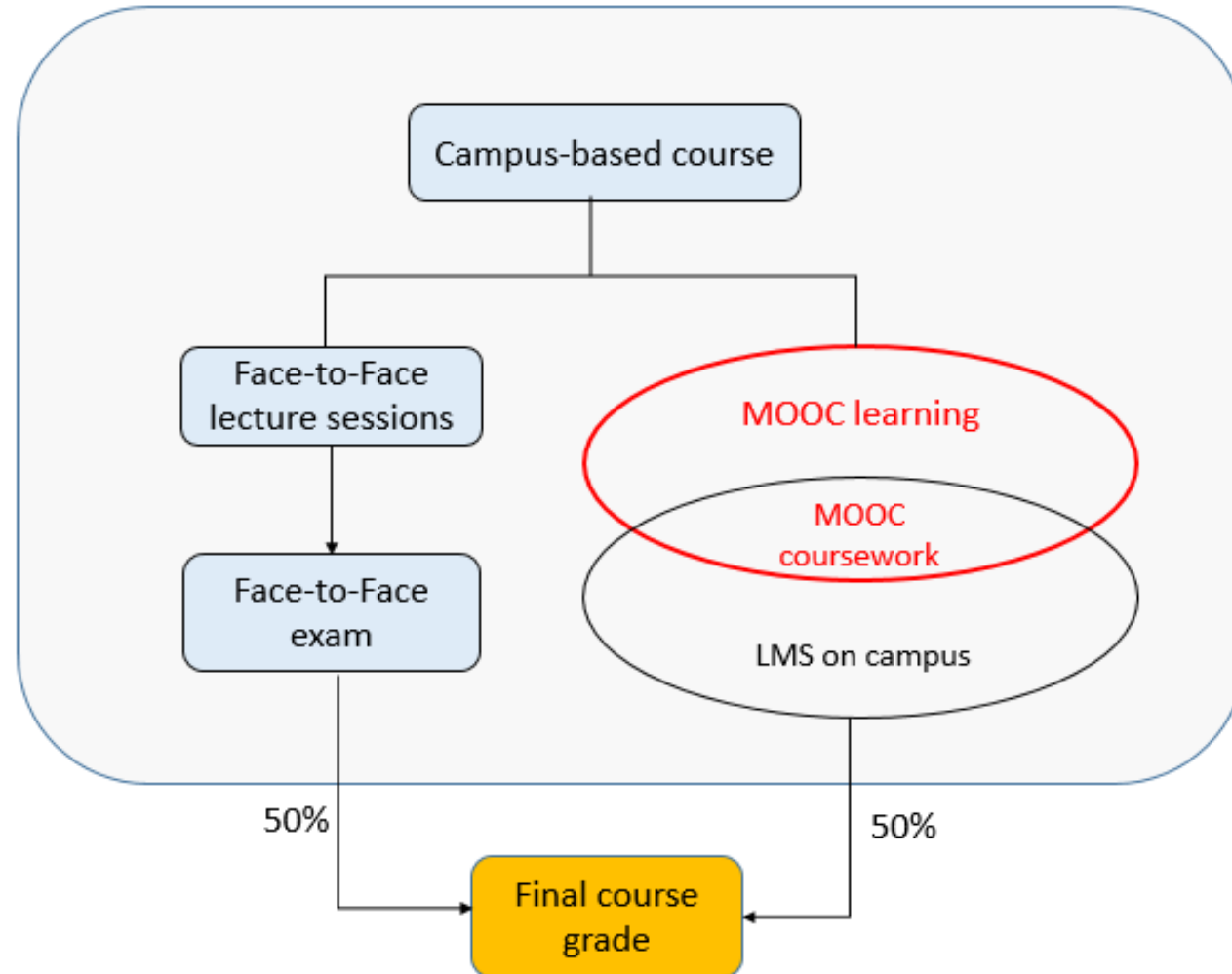


Research approach

- Design-based research (DBR)
 - Informed by existing design principles
 - cyclic vs. one-shot
 - In real contexts in collaboration with practitioner
- In collaboration with the course instructor
 - Which campus-based course to redesign?
 - Selection of MOOC
 - How to blend?
 - How to evaluate?



MOOC-supported blended learning design





The pilot study

- On-campus course: *Lifespan Education (Master of Educational Sciences)*
- MOOC: *Teaching Adult Learners (4 weeks, Open2Study)*
- Participants: *22 first-year Master students (1 Male, 21 Female)*
- Intervention period: *Oct. 2014-Jan. 2015*

Teaching Adult Learners

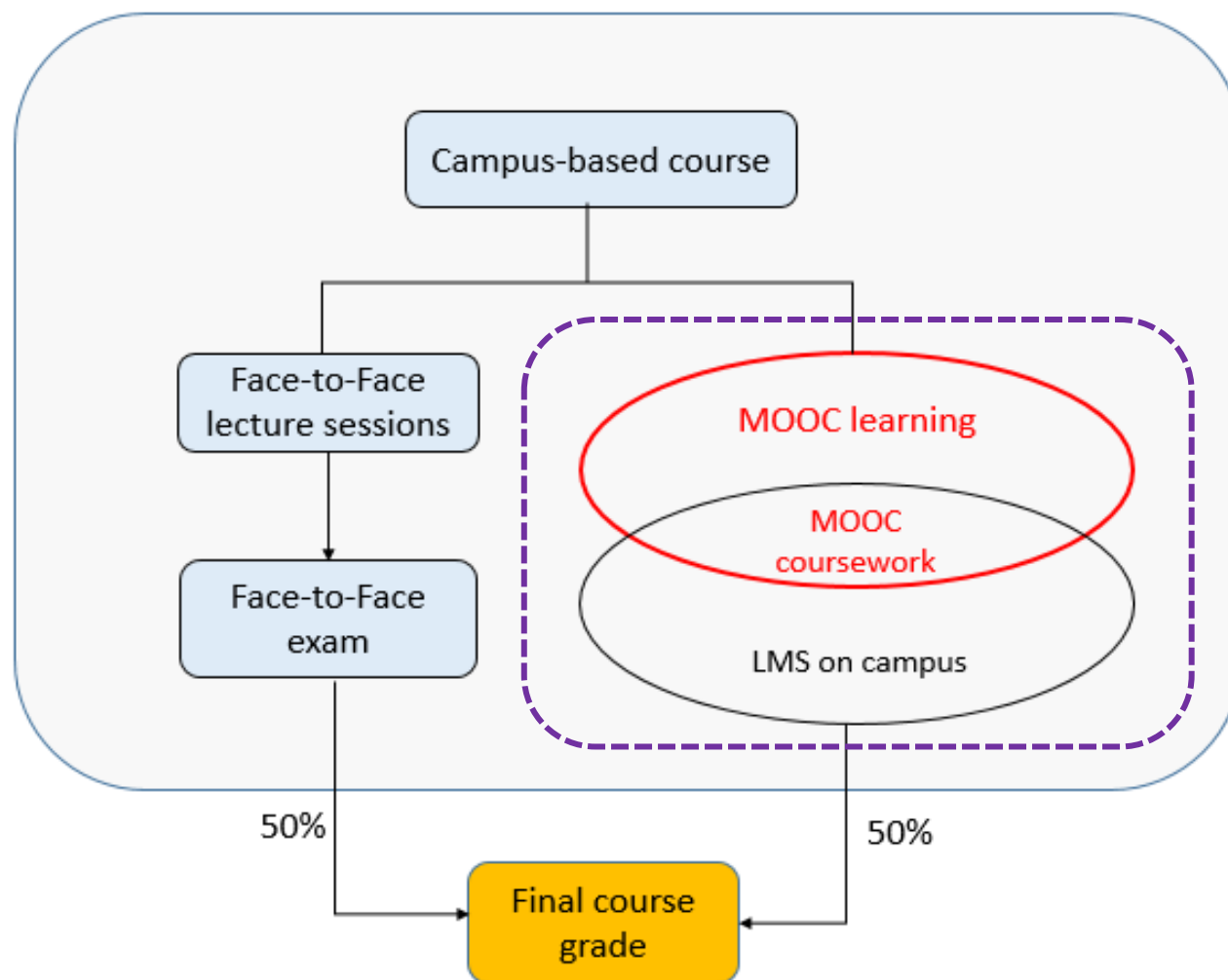
MODULE 1	INSTRUCTIONAL TACTICS	8 videos, 7 quizzes, 1 assessment
MODULE 2	ENGAGING ADULT LEARNERS	6 videos, 5 quizzes, 1 assessment
MODULE 3	ENGAGING LEARNERS THROUGH TECHNOLOGY	10 videos, 6 quizzes, 1 assessment
MODULE 4	KEY COMPONENTS OF INSTRUCTIONAL DESIGN	7 videos, 5 quizzes, 1 assessment

Classroom forum

Further Reading



MOOC-supported blended learning design



Classroom

Teaching Adult Learners (WPTrain)
by Debra Lunt

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PointCarré

Home Courses Portfolio

PointCarré Courses Lifespan Education

Lifespan Education

Add an introduction

Tools Administration

- Announcement
- Assessment
- Blog
- Course description
- Document
- Glossary
- Link
- Peer assessment
- Streaming video
- Appointment
- Assignment
- Calendar
- Course group
- Forum
- Learning path
- Note
- Search
- User

Classroom

User Experience for the Web (WebUX)
by Amir Ansari

Pop quiz

TEST YOUR KNOWLEDGE

What makes for a good UX practitioner?

INCORRECT

Need a hand?
Here's a hint video
less than 1 minute

Repeat quiz?

Go to assessment

Course Modules

16636 students are taking this subject

MOOC guidelines

Screenshots
Quizzes & assessment



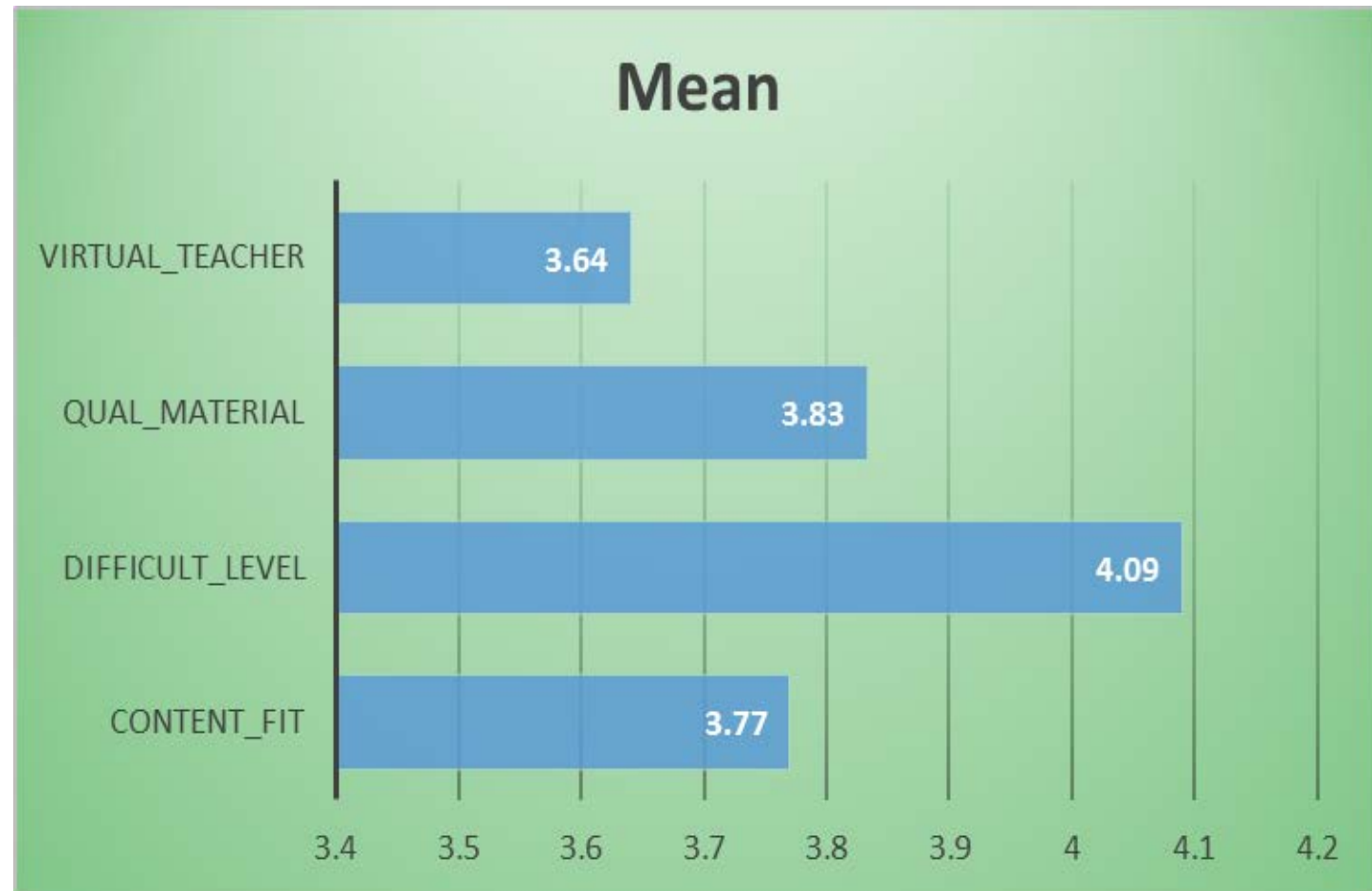
Results

- Overall satisfaction
- Quality of MOOC
- Perceived value of MOOC components
- Perceive value of MOOC
- Effective/ineffective aspects of MOOC-supported blended learning



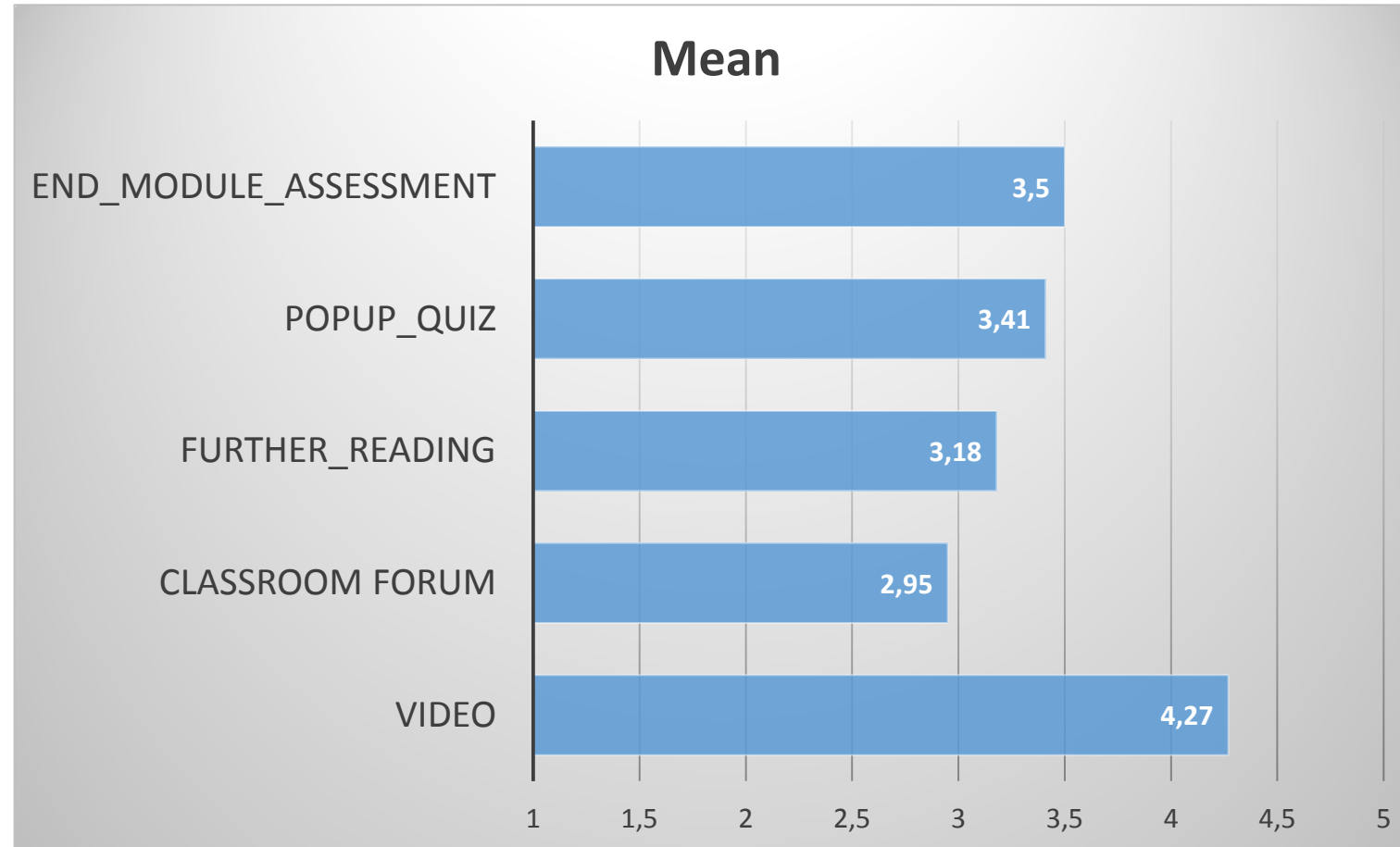
- Students' overall satisfaction: moderate ($M=3.32$ $SD=.945$)

- Quality of MOOC



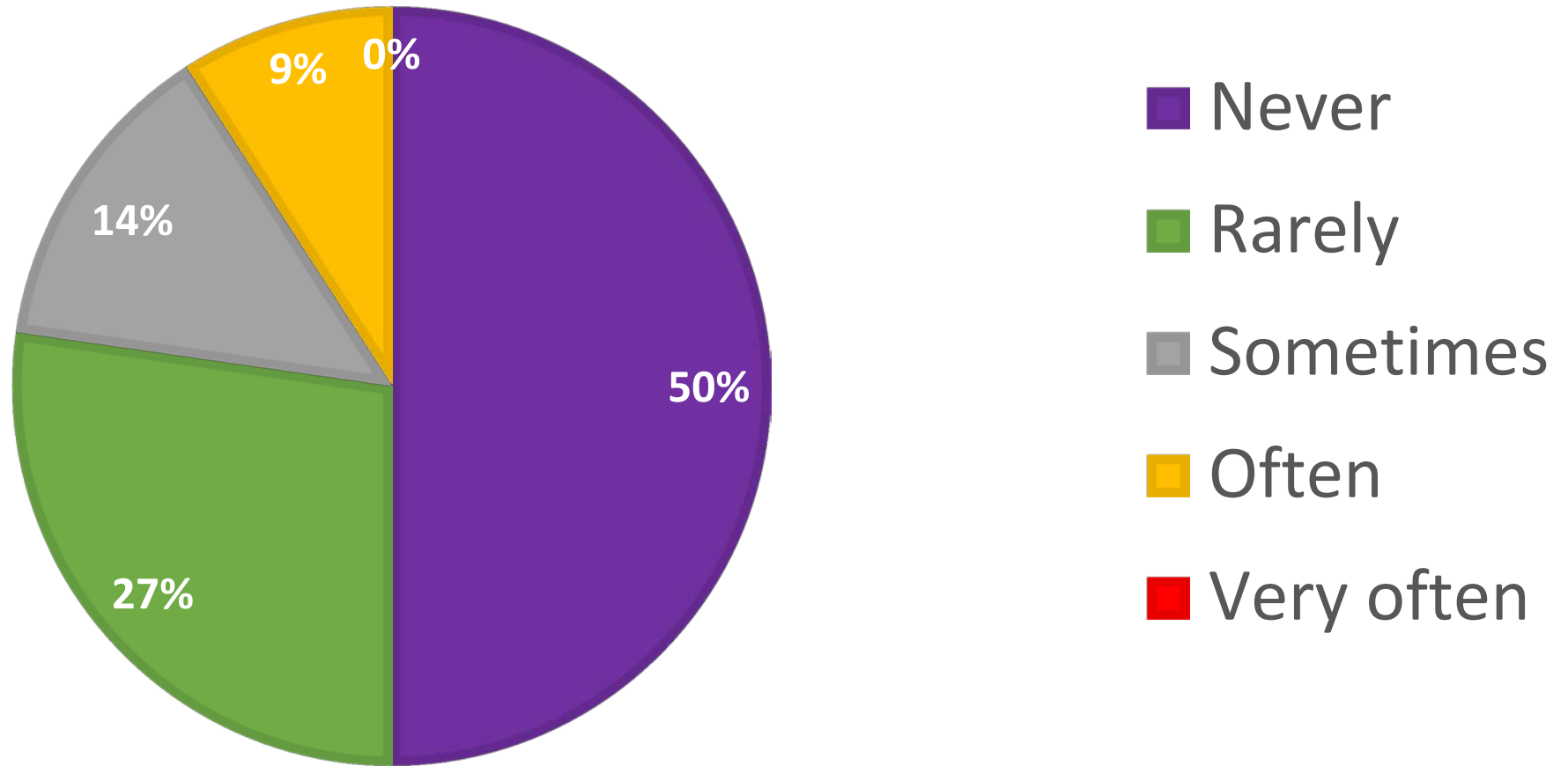


Perceived educational value of MOOC components





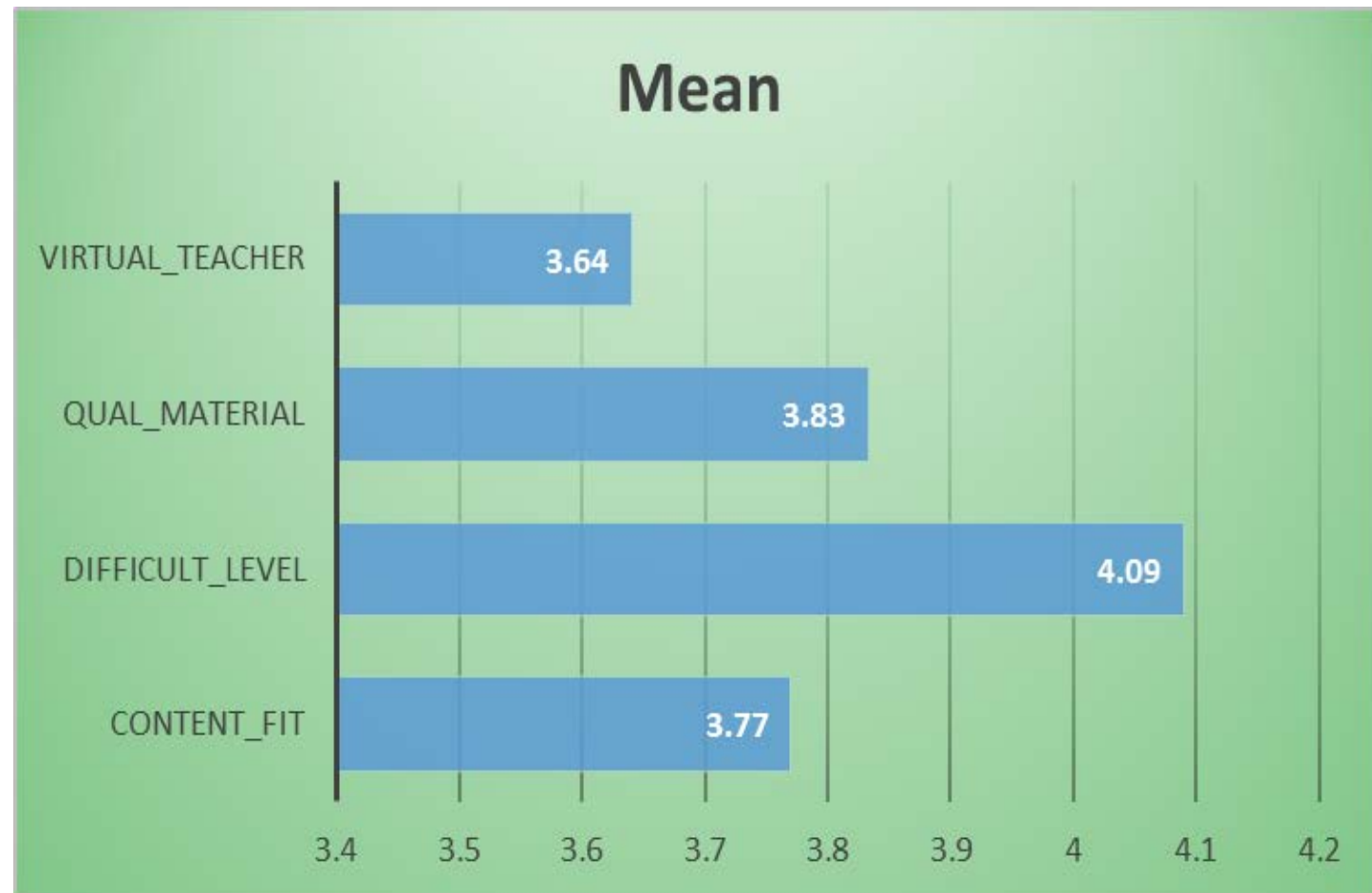
Use of Classroom Forum





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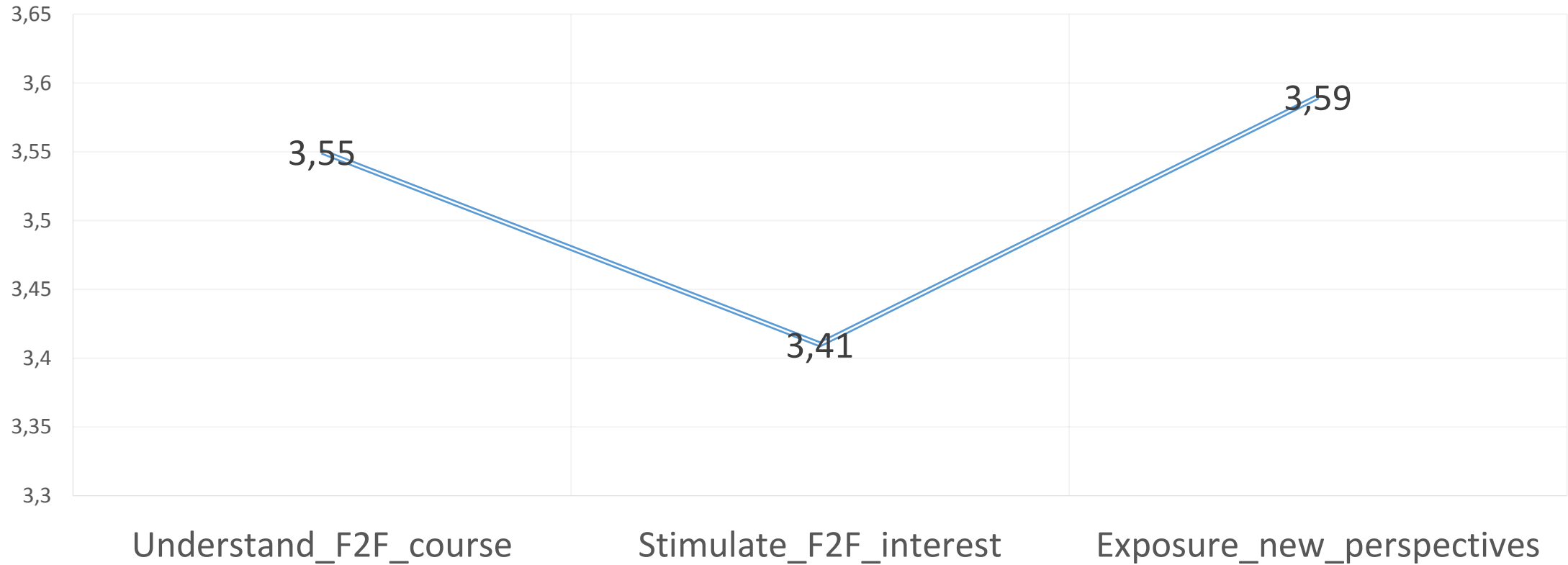
- Quality of MOOC





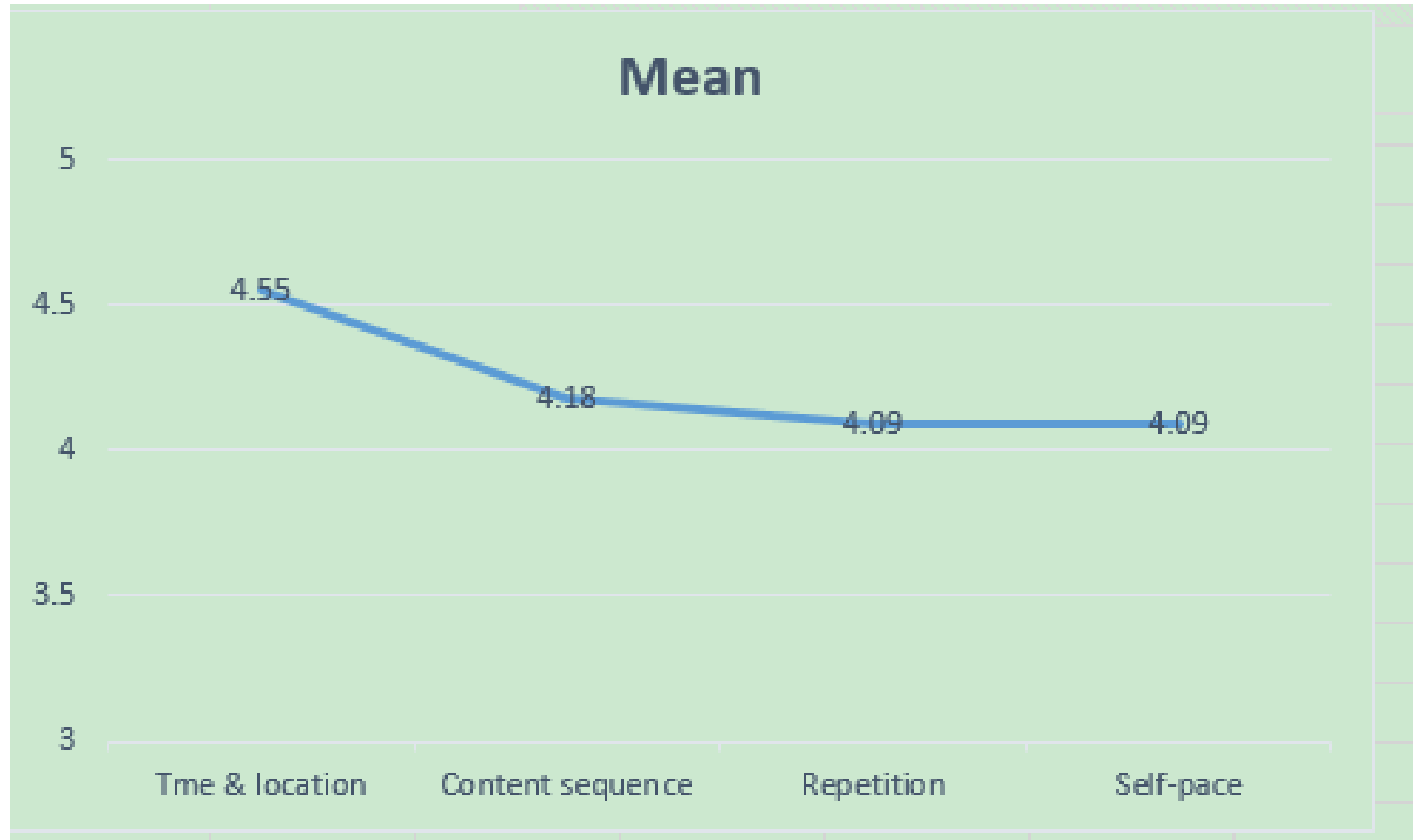
Perceived value of MOOC

MEAN





Most effective aspect-Flexibility





Least effective aspects: interaction opportunities





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Thank you!