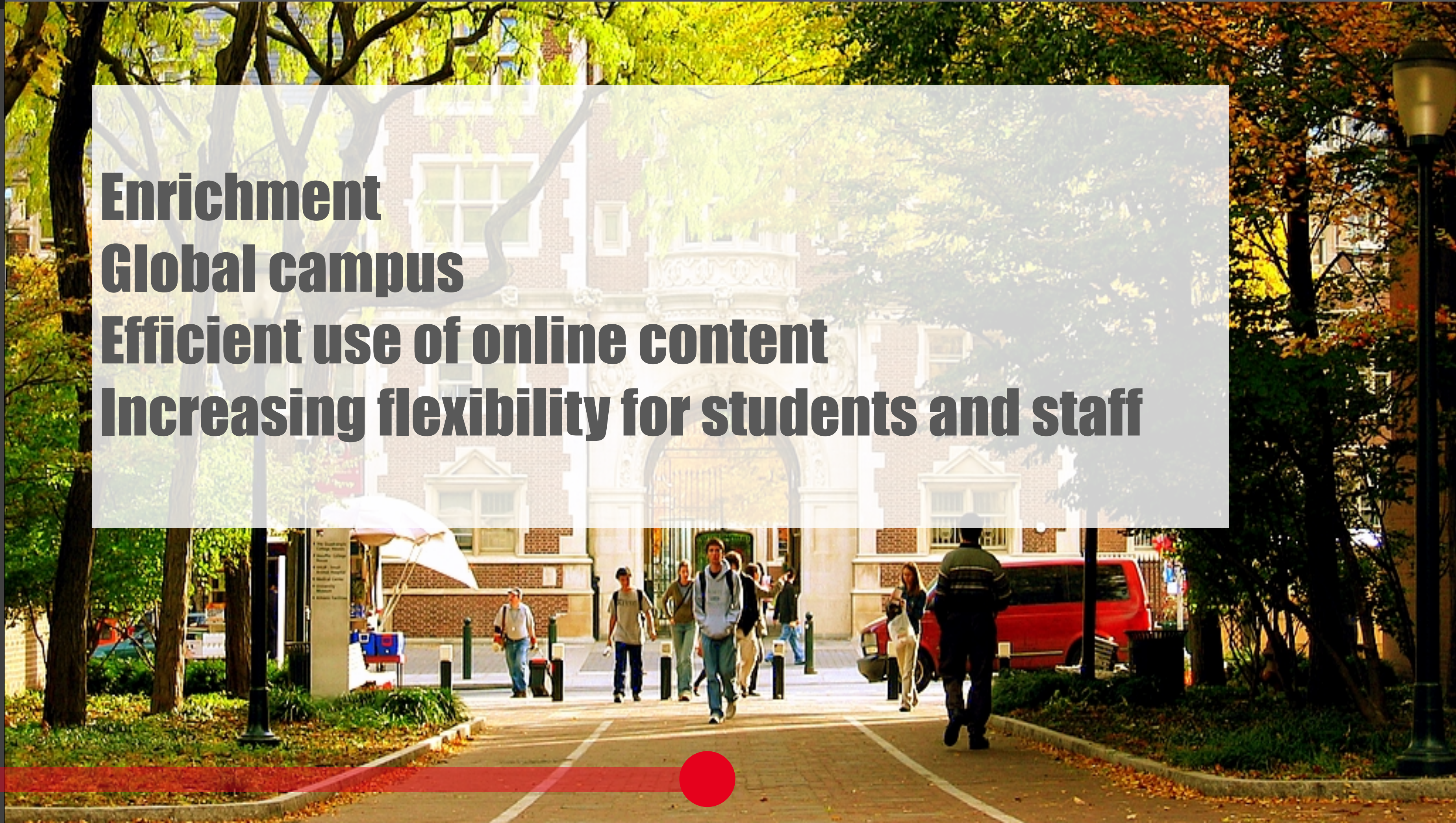


# MOOCs for credit



## Why?

**Enrichment**  
**Global campus**  
**Efficient use of online content**  
**Increasing flexibility for students and staff**



## Who?

Group of universities that are of equal level (ranking), academic rigor and quality of education, with a portfolio of MOOCs or other online offerings.

# Virtual exchange

## Who?

### European Virtual Exchange

EPFL  
UC Louvain  
WUR  
UC3M  
EP  
Leiden University  
TUD  
UPMC

### Global Alliance

ANU  
TUD  
EPFL  
Rice  
HKUST  
UQ  
UBC

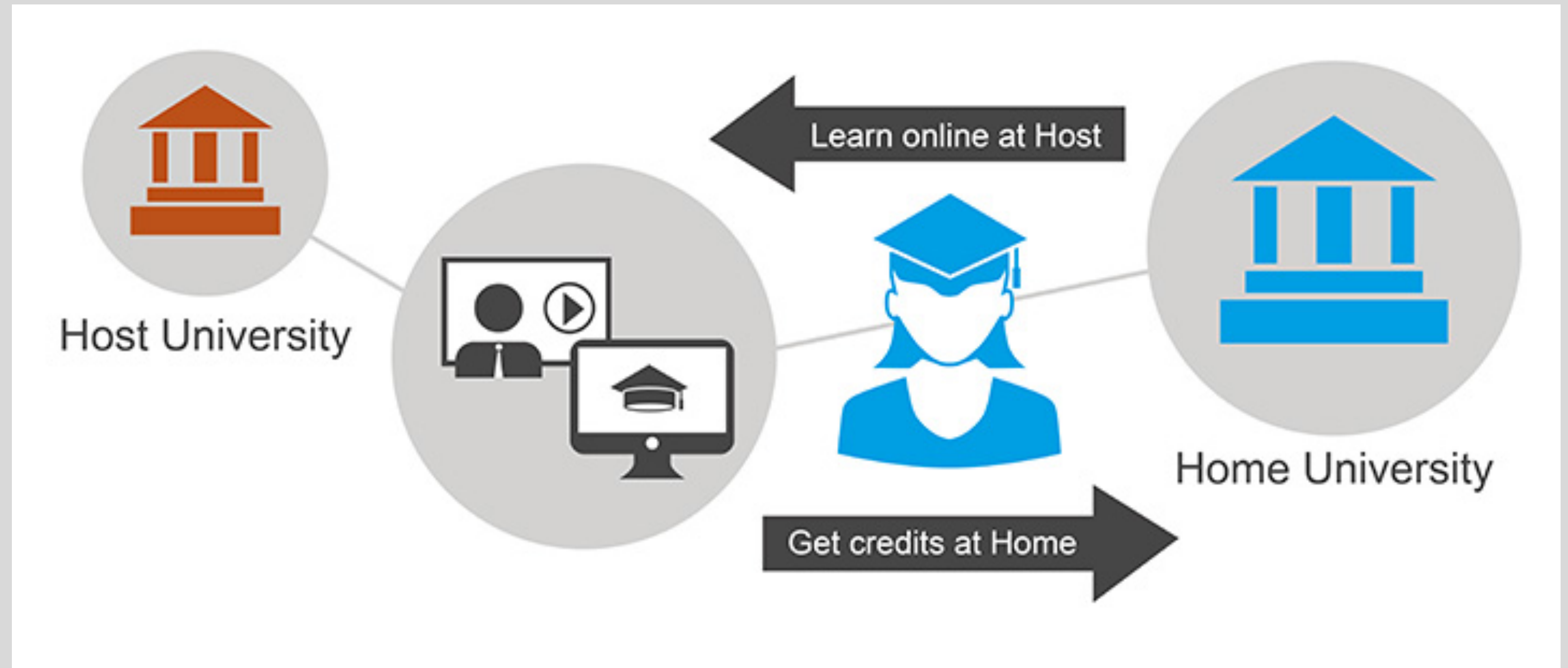
# One interface

HKUST  
UQ UBC  
Edinburgh

EPFL TUD  
UC Louvain  
WUR  
UC3M EP  
Leiden University



## What?



## What?

### Host University

- **Offers MOOC**
- **Creates exam**
- **Grades exam**
- **Sends transcript**
- **Handles appeals and complaints**

### Home University

- **Has students**
- **Supervises on campus exam**
- **Acknowledges credit**

## For Whom?

### Students at **EPFL**:

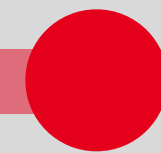
- **Optional courses for 3<sup>rd</sup> year Bachelor**
- **Optional courses for 1<sup>st</sup> or 2<sup>nd</sup> year Master students, with excellent performance**
- **Approval procedure similar to regular exchange:**
  - **Case by case**
  - **Section director**



## How

### **3** year pilot, **4** guiding principles:

- **Mutual trust**
- **Modest effort**
- **Different timing**
- **Synchronous and same exam**



# Mutual trust

**We offer MOOCs also to our own students**

**The MOOCs and exam are thus part of regular QA process**

**Exam regulations are same as for regular courses**

## Modest effort

**The MOOC should be self-sufficient**  
**Maximum number of extra students for grading**  
**Simple or existing administrative procedures**

# Different timing

**We recognize different semester start and end**

**We recognize different time zones**

**We recognize different academic year start and end**

# **Synchronous exam**

**All exams of a certain MOOC have to take place at the same time at the different universities**

**All exams of a certain MOOC have to take place in the same way**

# Agreement

1. **Host University** offers MOOC to own students and exchange students
2. **Home University** allows students to take MOOC for # credits
3. **Host University** accepts exchange students
4. Exchange student is registered as non-degree credit earning student at **host university**
5. **Host University** regulations and procedures apply

Finding professors who want to grade extra exams

Scheduling the exams months in advance

MOOCs and on-campus course have to be similar or new  
MOOCs have to be included in the study plan

Current status at EPFL: Digital Signal Processing &  
Fundamentals of Biomedical Imaging

Selecting and accepting MOOCs from other Universities (exam times and types, content)

Proctoring exams on-site according to Host University rules

Supporting students in their exchange adventure: other rules & complaint procedures, all has to be followed online & how to integrate with on-campus courses at home university

Current status at EPFL: Start September 2017



## Discussion at EPFL

- **Select MOOCs that you offer your students?**
- **Approve individual applications?**
- **Offer own MOOCs at own students?**

# Current MOOC list ( +/- 30)



## Découvrir la science politique

Décrypter des enjeux politiques actuels à partir d'une boîte à outils importantes, une démarche analytique et une perspective critique  
**de Louvain**

**Language: French (no subtitles)**

Credits: 5 ECs

Maximum number of students: 10

Start date: 18 September 2017 | Application deadline

**now**

[See course description](#) | [Sneak Preview on edX](#)



## Introduction to Supply Chain Management

Learn how to make rational and confident supply chain decisions that impact the finance, market and strategy of your company  
**de Louvain**

Credits: 5 ECs

Maximum number of students: 10

Start date: 1 November 2017 | Application deadline

**now**

[See course description](#) | [Sneak Preview on edX](#)



## iOS programming (Programmation iOS)

Vous voulez apprendre à programmer sur un iPhone ou un iPad? Ce MOOC vous donnera les bases de cette programmation et vous permettra de créer vos premières applications | **UPMC Sorbonne Universités**

**Language: French, English subtitles**

Credits: 6 ECs

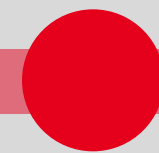
Maximum number of students: 15

Start date: 1 September 2017 | Application deadline

**now**

[See course description](#) | [Sneak Preview on edX](#)

[https://moocs.epfl.ch/  
page-146328-en.html](https://moocs.epfl.ch/page-146328-en.html)



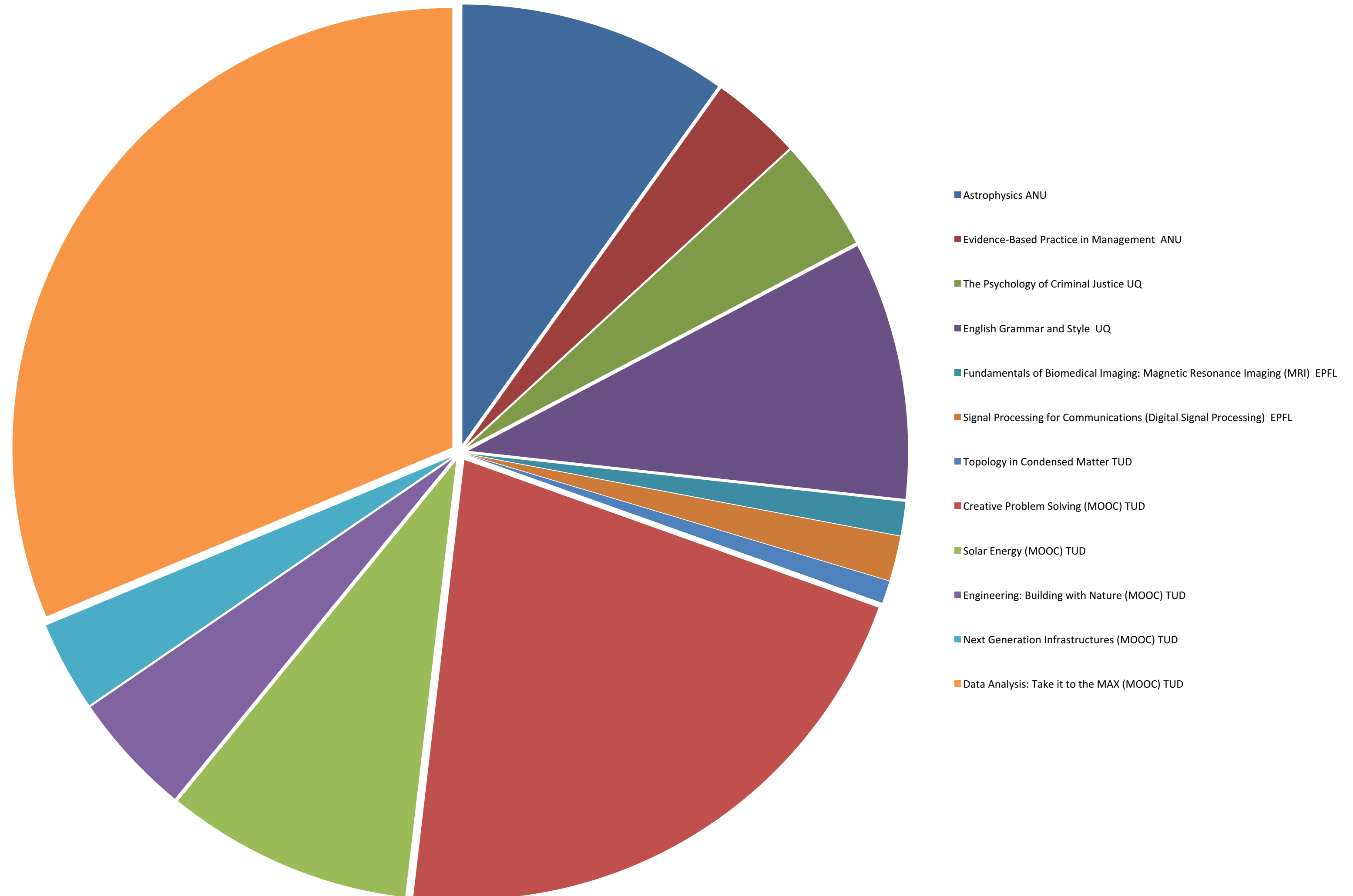
# Target outcomes

The students' performance ratio's per course (drop out/fail/pass) are not significantly different for internal and virtual students

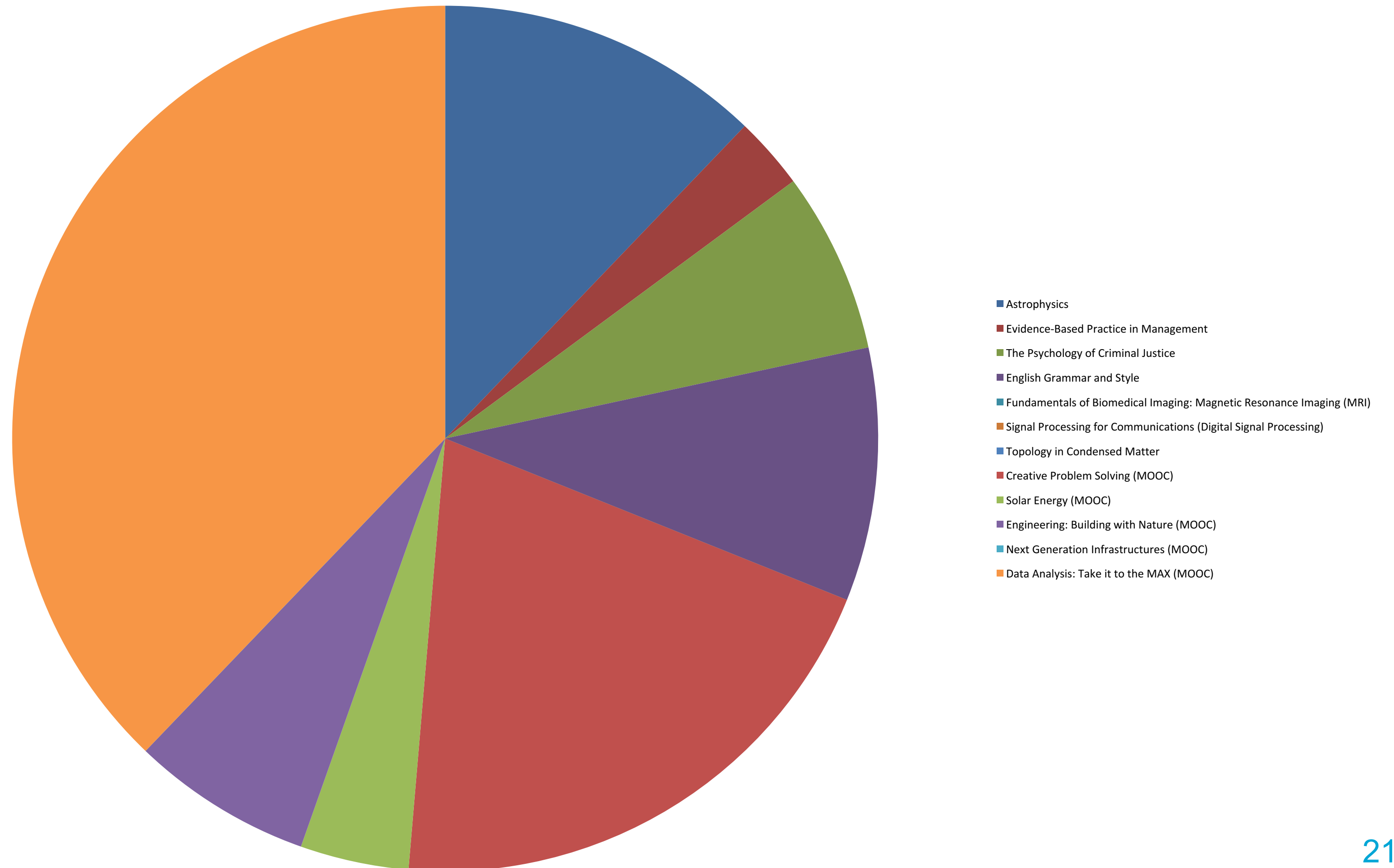
The ratio of credits received and credits given to participating universities through the MOOC's is between 0.8 and 1.2 for each university

The course evaluations of on-campus and virtual students should not be significantly different.

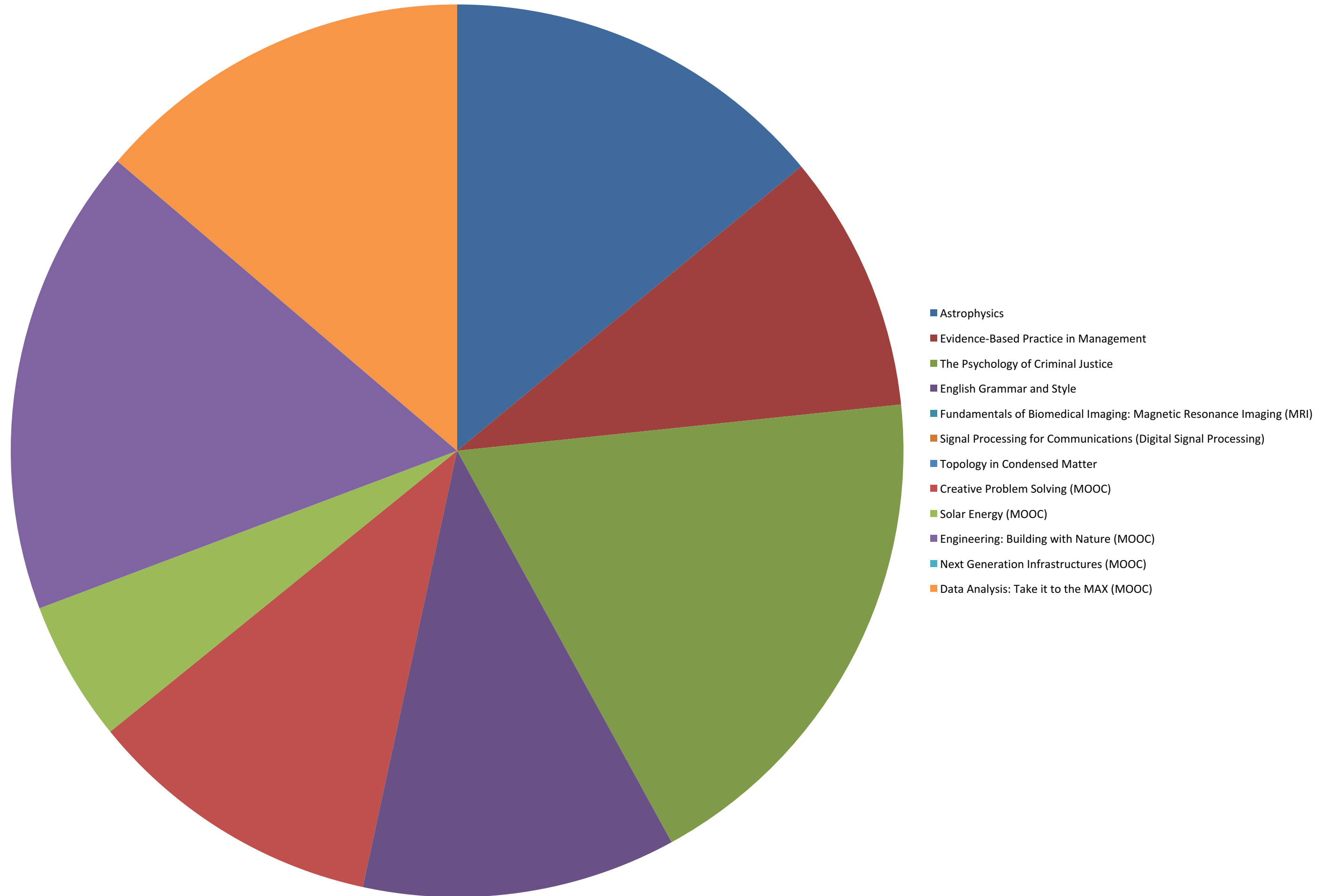
## Enrolled students (n=243)



## Who did the exam (n=74 including European alliance)

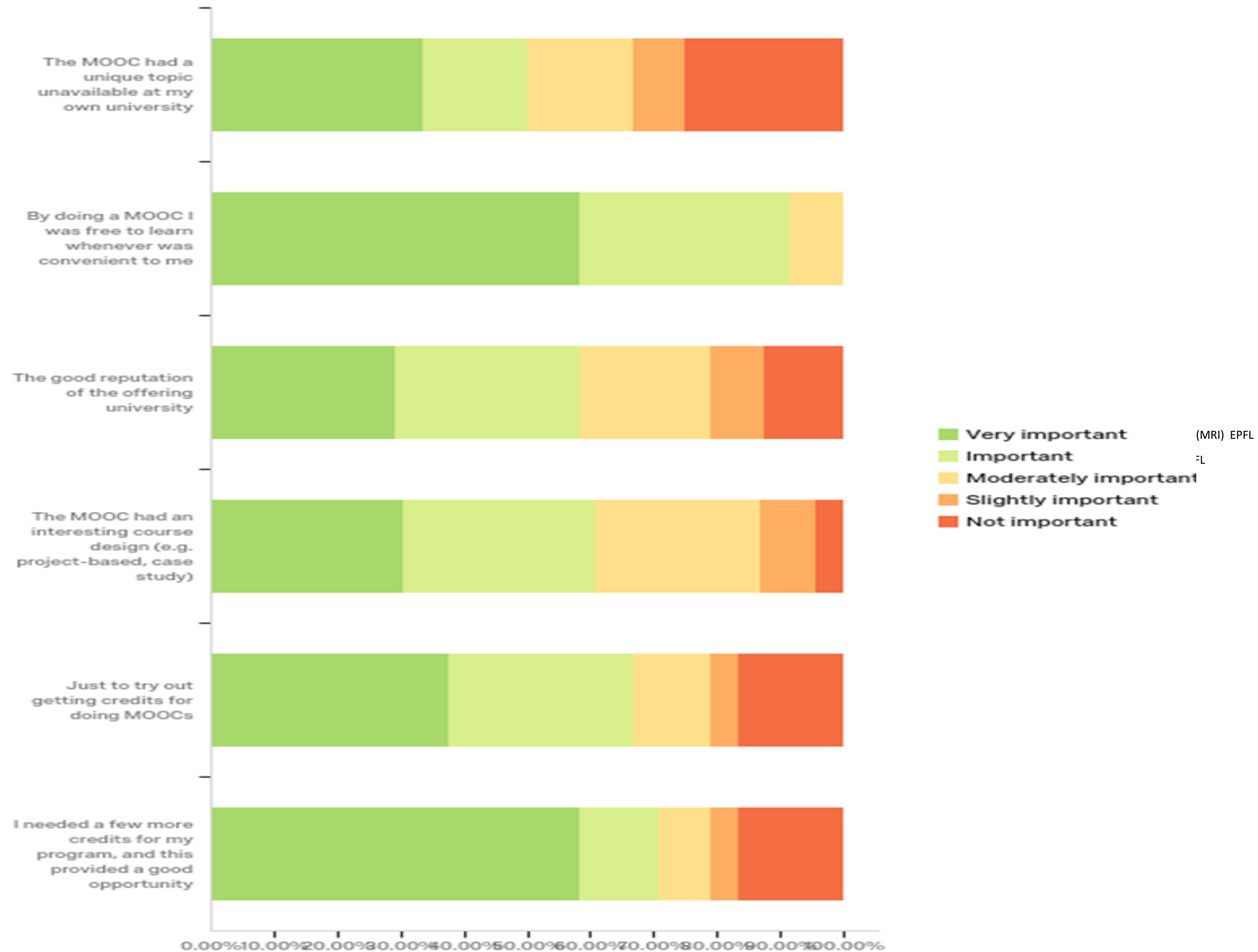


# Completion rates per course



## Preliminary results of student survey (n=24)

Q4 - How important were the following factors in your decision to apply for a MOOC for credits?



## Lessons learned

### **Challenges:**

- **Drop out rates high – investment high**
- **Fitting a new approach to match old rules and procedures**
- **Admin procedures are tedious**
- **What about costs – tuition fees etc**





**Thank you**

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