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# MODE IT

Curricular modernization by implementing MOOCs model

## IO#3: Ethics in Scientific Research

A MOOC created and delivered by Anadolu



Staatlich anerkannte, private  
Fachhochschule des  
Mittelstands (FHM)



Universitatea  
Politehnica  
Timisoara



ktu  
kaunas  
university of  
technology  
1922



ANADOLU UNIVERSITY



06.02.20

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## Teachers & Support Staff



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# Design and Development



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# Course Objectives and Organization

## Four Objectives, Four Modules

### Introduction

1. Discuss the importance of ethics in scientific research
2. Explore the types of ethical violations in scientific studies
3. Identify the ethical guidelines must be implemented in the research
4. List the consequences of ethical violations

### Module wrap-up

- Assignment
- Evaluation

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# Module Structure

1. Intro video
2. Video lectures (2-3 videos each focusing on one specific topic, no longer than 10 minutes)
3. Supplementary learning material (text-based, enriched with links)
4. Quiz

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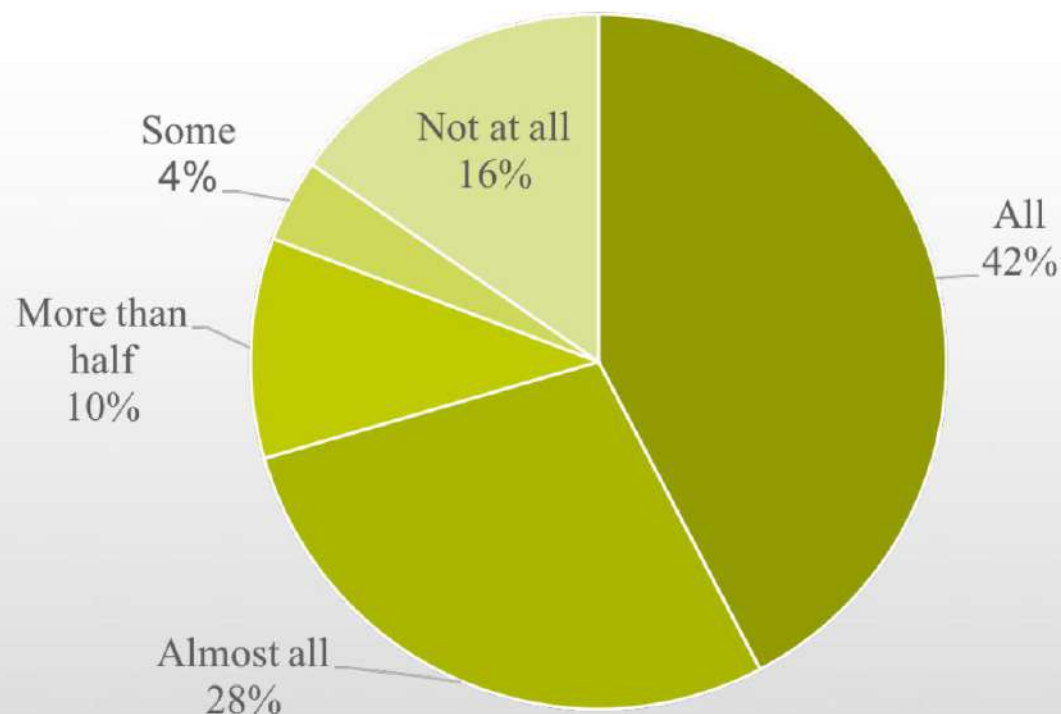
# Participation

## Total 143 participants

- 45 Formal in 2 courses
- 98 informal

## 71 Survey Completion

- 32 Formal
- 39 Non-formal



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## Lessons Learned

- Marketing (word-of-mouth & social media)
- Participation to the discussions
- Integration is possible and easy
- Anyone can easily create and integrate
- Increased satisfaction and learning

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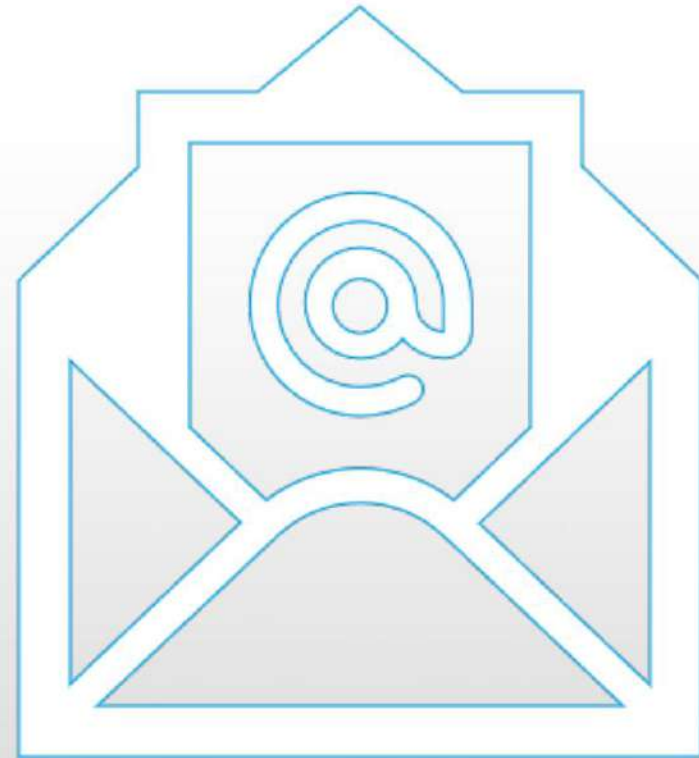
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## For more info

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# MOOCs recognition: FHM' approach

## The "Pick & Study" module study

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## Goals

- Under IO3, the project team has shown that innovative learning scenarios in the form of a MOOC can be integrated into university curricula.
- The reverse conclusion is, that MOOCS developed as stand-alone variants, can also be credited to a university degree program if certain standards are met.
- The FHM has created an example with its "Pick & Study" module course.



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## Target group

- People interested in further education.
- People who do not want to study, but only want to learn individual contents/ improve der competences.
- People who need ECTS for credit in a higher education context.
- Participants with and without access to higher education.
- Those interested in further education and appreciate maximum flexibility in terms of learning location, duration and timeframe.

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## General conditions

- Pick & Study Program is subject to a fee.
- Distinction is made between participants who wish to receive a certificate of attendance and those who wish to receive a university certificate.
- Access to higher education is required to earn CP (certificate course).
- There is no limitation of participants.
- The duration of a certificate course is 6 months.
- A certificate course ends with a module examination.
- The awarding of CP requires the passing of the final examination.

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# Content

- Pick & Study offers FHM study modules prepared as MOOCs.
- The defined learning objectives per course and the implemented learning content are based on the module manuals of the FHM.
- The credit points to be acquired correspond to a predefined workload.
- The online study materials are provided via the Moodle learning management system.
- The online study material is flanked by 8 live virtual seminars.

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## Single and yet integrated

- The flanking courses are attended together with enrolled students of FHM.
- The examinations are taken by teachers of the FHM.
- The acquired CP as well as the grade of the final examination are documented by means of a university certificate.



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## Have a look: Best practice

### Pick & Study Module „Agile Project Management“

URL: <https://fhm-online-university.de/course/view.php?id=16243>

Password: #BeingAgile



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## Structure of the virtual learning environment

- The author introduces him-/ herself
- Roadmap to the module content
- General info and tips for self-study
- Learning videos (basically for introduction and as summary)
- Description of the workflow for working through the specific course
- Mediation of the learning contents in so-called "submodules"
- Download area
- Feedback area

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## Structure of the submodules

- Overview of the learning content
- Summary as PodCast
- Qualification goals
- Contents on the basis of scripts
- Exercises, tests, tasks
- Further literature and sources

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