SUBJECT DATASHEET

INNOVATION AND GREEN FINANCE

BMEGT35M108

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
INNOVATION AND GREEN FINANCE

ID (subject code) BMEGT35M108

Type of subject
contact lessons

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
Exam grade

Number of credits
3

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Bethlendi András	associate professor	bethlendi.andras@gtk.bme.hu

Educational organisational unit for the subject
Department of Finance

Subject website
https://edu.gtk.bme.hu/

Language of the subject
angol-ENG

Curricular role of the subject, recommended number of terms
Programme: **Finance MSc (in English) from 2019/20/Term 1 AUTUMN start**
Subject Role: **Compulsory**
Recommended semester: **2**

Programme: **Finance MSc (in English) from 2019/20/Term 1 SPRING start**
Subject Role: **Compulsory**
Recommended semester: **1**

Programme: **Regional and Environmental Economic Studies MSc (in English) from 2019/20/Term 1**
Subject Role: **Elective**
Recommended semester: **2**

Programme: **Management and Leadership MSc (in English) from 2019/20/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **2**

Programme: **Master's programme in Management and Leadership from 2019/20/Term 1 (Autumn term start)**
Subject Role: **Compulsory elective**
Recommended semester: **0**

Programme: **Master's programme in Management and Leadership from 2020/21/Term 2 (Spring term start)**
Subject Role: **Compulsory elective**
Recommended semester: **0**

Direct prerequisites

Strong	None
Weak	None
Parallel	None
Exclusion	None

Validity of the Subject Description

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the subject is to provide an introduction into the main characteristics of the financing of innovation and green or sustainable developments. Both innovative and green activities are phenomena with positive externalities and are, among other things, charac-terized by underfunding. The state, the regulator, has a significant role in boosting innovation and green ecosystems as well including funding systems. In addition, green things are often innovative, therefore they are a subset of inno-vative companies/activities. The discipline is currently fragmented into the followings: innovation macro- and mi-croeconomics; sustainability studies macro and micro (e.g. SCR) level, innovation (corporate) management; innova-tion finance systems (crowdfunding, VC) and green approaches. That course tries to integrate the different approach-es, which would give it a novelty. Before a detailed discussion of financing issues it is indispensable to clarify the role innovation and sustainability plays in economic thinking. It is worth examining those aspects in which these domains/fields of economics are dif-ferent from the traditional functioning of the economy and industries and why they deserve special attention from a macroeconomic and social point of view. Furthermore, the relationship between the government and the market and the role of the government give rise to an important professional debate.

Academic results

Knowledge

1. the role innovation and sustainability plays in economic thinking;
2. the role of the government in innovation;
3. innovation ecosystems;
4. innovation finance systems.

Skills

1. plan and organize independent learning,
2. comprehend and use the professional literature of the topic,
3. using methods learn they could perform calculations to support decision-making.

Attitude

1. is open to learn about and adapt innovations in finance,
2. collaborates with their instructors and peers during the learning process,
3. gains knowledge and information,
4. makes use of ICT tools.

Independence and responsibility

1. is open to accept reliable critical remarks,
2. collaborates with other students in performing assignments during the learning process,
3. could make prudent financial decision,
4. understands the importance and weight of responsibility and can assess the consequences of decisions.

Teaching methodology

Lectures, verbal and written communication, use of ICT tools and techniques, optional tasks alone and in groups.

Materials supporting learning

- Kötelező - Obligatory:
- Az előadások prezentációinak anyaga, ami a félév során folyamatosan fog feltöltésre kerülni.
- Egyetemi jegyzet: „Sustainability, innovation and finance: integration challenges”
- Slideshows of the lectures which will be uploaded continuously during the semester.
- „Sustainability, innovation and finance: integration challenges”. BME note

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

Assessment of the learning outcomes described under 2.2. is based on an written-exam,

Performance assessment methods

Detailed description of mid-term performance assessments no assessment in mid-term Detailed description of examination performance assessments,Written exam

Percentage of performance assessments, conducted during the study period, within the rating

Percentage of exam elements within the rating

- **Written exam**: 100

Conditions for obtaining a signature, validity of the signature

According to TVSZ.

Issuing grades

Excellent	>90
Very good	86-90
Good	71-85
Satisfactory	61-70
Pass	50-60
Fail	<50

Retake and late completion

According to TVSZ.

Coursework required for the completion of the subject

participation on contact lessons	28
preparing for the exam	62
total	100

Approval and validity of subject requirements

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

Subject includes the topics detailed in the course syllabus to ensure learning outcomes listed under 2.2. can be achie-ved. Timing of the topics will be arranged by the calendar or other circumstances in each semester.

Additional lecturers

Approval and validity of subject requirements