SUBJECT DATASHEET

ESG and climate change

BMEGT42RRR5019-00

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
ESG and climate change

ID (subject code) BMEGT42RRR5019-00

Type of subject
contact unit

Course types and lessons

Type	*Lessons*
Lecture	7
Practice	0
Laboratory	0

Type of assessment
obtaining signature

Number of credits
2

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Buzási Attila	associate professor	buzasi.attila@gtk.bme.hu

Educational organisational unit for the subject
Department of Environmental Economics and Sustainability

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

Language of the subject
magyar - HU

Curricular role of the subject, recommended number of terms
Programme: **„ESG consultant**
Subject Role: **Compulsory**
Recommended semester: **1**

Direct prerequisites

Strong	None
Weak	None
Parallel	None
Exclusion	None

Validity of the Subject Description
Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 580387/26/2025 registration number. Valid from: 2025.05.28.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the course is to introduce the basic drivers of climate change, the background of greenhouse gas emissions and the Scope 1, Scope 2 and Scope 3 approaches regarding GHG inventories. In addition, a particular focus is on the emissions trading schemes, the EU Emissions Trading Scheme (EU ETS).

Academic results

Knowledge

1. Knows the elements of Earth's climate system and interconnections between them;
2. Knows the soruces of GHG emissions and their impacts on envrionment and society;
3. Knows the main principles of national, EU and international climate policies;
4. Knows the most important EU emission trading mechanisms.

Skills

1. Able to evaluate main challenges regarding climate change.
2. Able to recognize the main driving forces of a low-carbon economy.
3. Able to evaluate the socio-economic impacts of climate change.

Attitude

1. Cooperates with the lecturer and other students.
2. Strives to understand complex systems.
3. Uses the opportunities offered by IT tools.

Independence and responsibility

1. Independently selects and applies the relevant problem-solving and analytical methods in solving the analytical tasks belonging to his / her field.
2. Feels responsible for taking greater account of climate-related and social aspects.

Teaching methodology

Online lecture

Materials supporting learning

- Előadásdiák / Lecture slides
- Kiegészítő jegyzet/Optional reading: https://repozitorium.omikk.bme.hu/handle/10890/13144

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The assessment of the learning outcomes stated in point 2.2. is based on an online Moodle test.

Performance assessment methods

Checking of learning the lecture slides.

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

- **Moodle test**: 100

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

Active participation in class and/or online consultation with the lecturer. Completing the questionnaire on the course's Moodle page by the deadline.

Issuing grades

Excellent	100
Very good	100
Good	100
Satisfactory	100
Pass	100
Fail	100

Retake and late completion

The active participation in the contact lectures can be compensated during the semester by watching the recorded lectures afterwar

Coursework required for the completion of the subject

Lecture	7
Processing background materials	13
Learning individually	20
Preparing	20
Total	60

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 05.05.2024.

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 achieved.

1 Basics of climate change;

2 GHG emissions, Scope 1, Scope 2 and Scope 3 approaches;

3 Emission trading scheme

Additional lecturers

- -

Approval and validity of subject requirements