SUBJECT DATASHEET

Strategic Planning of Climate Protection

BMEGT42V200

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Strategic Planning of Climate Protection

ID (subject code) BMEGT42V200

Type of subject
contact unit

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
mid-term grade

Number of credits
3

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: **Business administration and management Bachelor's Programme from 2021/22/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **5**

Programme: **Communication and media studies Bachelor's Programme compulsory subjects from 2018**
Subject Role: **Elective**
Recommended semester: **0**

Programme: **Engineering Management Bachelor's Programme from 2015/16/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **6**

Programme: **Engineering Management Bachelor's Programme from 2017/18/Term 1**
Subject Role: **Elective**
Recommended semester: **3**

Programme: **International Management Bachelor's Programme from 2018/19/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **5**

Programme: **International Management Bachelor's Programme from 2020/21/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **3**

Programme: **Finance and Accounting Bachelor's Programme from 2019/20/Term 1**
Subject Role: **Elective**
Recommended semester: **4**

Programme: **Business Administration and Management Bachelor's Programme from 2018/19/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **5**

Programme: **International Management Bachelor's Programme from 2022/23/Term 1**
Subject Role: **Elective (C)**
Recommended semester: **5**

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: 580251/13/2023 registration number. Valid from: 29.03.2023.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the course is to provide general knowledge to the students about the policy and indicator-based backgro-und of climate protection .

Academic results

Knowledge

1. Knows the main concepts of climate change mitigation and adaptation.
2. Knows the main interlinkages between climate protection and sectoral policy's dimensions
3. Knows the soruces of GHG emissions and their impacts on envrionment and society
4. Knows the main principles of national, EU and international climate policies

Skills

1. Able to form own opinion in climate protection issues

Attitude

1. Cooperate by the lecturer and other students
2. Endeavors to understand the complex systems
3. Endeavors to make its decisions taking into account technical, economic and social aspects

Independence and responsibility

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

Teaching methodology

Lectures, team work

Materials supporting learning

- Lecture slides
- K-faktor: Klíma, gazdaság, társadalom
- 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 two mid-term written summative assessments (summative evaluation
of learning outcomes) and homework.

Performance assessment methods

Detailed description of performance evaluations during the semester: 1. Summative evaluation of learning outcomes (summative assessment):
a complex, written evaluation method of the subject and knowledge, ability-type competence elements in the form of a closed paper; the thesis basically focuses on the application of the acquired knowledge, thus focusing on problem recognition and solution. The course material on which the evaluation is based is determined by the lecturer of the subject, the available working time is 90 minutes. 2. Partial performance evaluation (homework): a complex evaluation method of the subject's competence elements such as knowledge, ability,
attitude, and independence and responsibility, which takes the form of homework done individually or in groups; the teacher determines the content, requirements, submission deadline and evaluation method of the homework.

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

- **1st summative assessment**: 40
- **2nd summative assessment**: 40
- **Partial performance assessment (homework)**: 20
- **total**: 100

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

-

Issuing grades

Excellent	90
Very good	85–89
Good	75–84
Satisfactory	55–74
Pass	40–54
Fail	0-39

Retake and late completion

1) There is no individual minimum requirement for individual mid-term summative assessments, therefore individual retaking is not possible. 2)
Homework can be submitted late on the last day of the make-up period until 4:00 p.m. or sent in electronic form until 11:59 p.m., subject
to payment of the fee specified in the regulations. 3) Submitted and accepted homework can be corrected free of charge by the deadline and method specified in point 2). 4) The two summative assessments can be retaken or corrected in a combined form during the replacement
period - for the first time - free of charge. In case of improvement, we will take into account the previous and the new result that is more favorable to the student. 5) If the student is unable to obtain a grade other than insufficient even with the replacement according to point 4), then - in addition to paying the fee specified in the regulations - a second, combined attempt to improve the unsuccessful first retake can be taken.

Coursework required for the completion of the subject

Attending contact lessons	28
Preparing homework	30
Indepentendt studying	32
total	90

Approval and validity of subject requirements

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

In order to achieve the learning outcomes set out in point 2.2., the subject consists of the following thematic blocks. In the syllabi of the courses announced in each semester, these topics are scheduled according to the calendar and other conditions.

1 What does climate change mean? The scientific background of the root causes and effects of the greenhouse effect and climate change, the forms and expected trends of climate changeWhy do politicians deal with climate "from Rio to Paris"? The connection of climate change to some global and regional sustainability challenges, the international dimensions of climate protectionWho can do it? Sectors and socio-economic activities that cause the emission of greenhouse gases in a "life cycle approach"What does the carbon footprint measure? Calculation methods of greenhouse gas emissions, practice of carbon footprint calculation, international comparisonWhat to do? Strategic approach to climate protection, foundations of EU and domestic climate policies, climate strategies, connection to energy, transport and agricultural policiesIs prevention manageable? The main technological options for emission reduction, the impact of planning, production, transport and consumption on the emission of greenhouse gasesWhere does the local path of climate protection lead? The development of climate vulnerability, strategies for prevention and planned (resilient) preparation at the level of local governmentsCan adaptation be planned? Sectoral dimensions of adaptation to climate change include water management, critical infrastructure, agriculture, tourism, nature conservationIs it decided in the head? Strategic tools for shaping climate attitudes and building partnerships, including among target groups of the population, economic and public administration decision-makers, and civil society organizationsCan climate protection be organized? The institutional background of planning and coordination, implementation and monitoring of climate strategies, the role of the state, local governments, scientific and economic (public) bodies, civil organizations and churchesMicro-level: how can the "business" be climate-proof? Corporate climate protection, connection to corporate management toolsMacro-level: can CO2 make money? The economic background of emissions trading and the carbon tax, its EU and domestic practice, the "functioning" of the carbon exchange

Additional lecturers

Dr. Pálvölgyi Tamás egyetemi docens / associate professor palvolgyi.tamas@gtk.bme.hu

Approval and validity of subject requirements