



SUBJECT DATASHEET

Environmental Strategy

BMEGT42A018

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name

Environmental Strategy

ID (subject code)

BMEGT42A018

Type of subject

contact unit

Course types and lessons

<i>Type</i>	<i>Lessons</i>
Lecture	0
Practice	2
Laboratory	0

Type of assessment

exam grade

Number of credits

3

Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
Dr. Bartus Gábor	senior lecturer	bartus.gabor@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: **BSc in Environmental Engineering**
Subject Role: **Compulsory for the specialisation**
Recommended semester: **5**

Direct prerequisites

<i>Strong</i>	None
<i>Weak</i>	None
<i>Parallel</i>	None
<i>Exclusion</i>	None

Validity of the Subject Description

Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 580439/11/2024 registration number. Valid from: 29.05.2024.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The objective of the course is to familiarize the students with the domestic and international practice of environmental policy and strategic planning.

Academic results

Knowledge

1. The student knows the main concepts related to environmental policy and environmental strategies;
2. knows the most important connections between environmental protection strategies and the dimensions of sustainability;
3. knows strategic planning tools and the process and main steps of environmental strategy creation;
4. knows the main principles of domestic and EU environmental policy.

Skills

1. The student is able to form an independent opinion on environmental policy and strategic issues;
2. to apply the presented situation analysis and assessment tools in the familiar context.

Attitude

1. The student cooperates with the instructor and fellow students;
2. strives to understand complex systems;
3. strives to make their decisions by taking technical, economic and social aspects into account.

Independence and responsibility

1. The student solves the analytical sub-tasks assigned to them independently, taking responsibility for the quality of implementation and the correctness of the results.
2. In addition to technical aspects, the student feels responsible for taking environmental and social aspects into account.

Teaching methodology

Lectures presenting basic policy documents and resources, introduction to strategy-making methods, and exercises to broaden perspective and knowledge. The deepening of knowledge related to the course material is aided by group tasks during class. Groups of students independently prepare group work at home and present their work to the instructor.

Materials supporting learning

- Előadás diások
- Magyarország környezeti állapota:
- Nemzeti Fenntartható Fejlődési Keretstratégia Előrehaladási Jelentése
- Környezeti helyzetkép (KSH)
- Az uniós környezetvédelmi politikák végrehajtásának felülvizsgálata Országjelentés – MAGYARORSZÁG
- DPSIR keretrendszer: Tesfaldet & Ndeh, 2022: Assessing face masks in the environment by means of the DPSIR framework
- Adatok:
- KSH Tájékoztatási adatbázis, STADAT összefoglaló táblák
- Eurostat adatbázis
- <https://legszenneyezettseg.met.hu/>
- EU környezetvédelmi politikája:
- Orbán Annamária (2007): Az Európai Unió környezetvédelmi politikája
- 8. környezetvédelmi akcióprogram
- 7. környezetvédelmi akcióprogram felülvizsgálati jelentése:
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=SWD:2019:181:FIN>
- Hazai környezeti stratégiák (Nemzeti Környezetvédelmi Program, Nemzeti Fenntartható Fejlődési Keretstratégia, Nemzeti Éghajlatváltozási Stratégia)

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The two pillars of the evaluation of learning outcomes set out in point 2.2 are: 1. a formative assessment showing analytical skills (1 practical task) during the study period; 2. as well as the summative study performance evaluation (submission of an exam paper) for evaluation of the competencies acquired during the semester.

Performance assessment methods

A. Detailed description of the performance evaluation during the study period: Formative assessment (practical task): A group practical task for assessing the subject's attitude, independence and responsibility-type competency elements, which must be completed with the content and criteria designated by the instructor. During the task, individual sub-tasks are also assigned to the group members. The tasks focus on mastering the learned methods, with particular regard to critical thinking and the recognition of connections. B. Detailed description of the performance evaluations carried out during the exam period: a complex, written evaluation of the knowledge and ability-type

competency elements of the subject in the form of an exam paper. The exam paper focuses on the assessment of the acquired basic knowledge and the exploration of the knowledge of the determining relationships.

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

- formative assessment (practical task): 40
- Total: 40

Percentage of exam elements within the rating

- Written exam: 60
- Total: 60

Conditions for obtaining a signature, validity of the signature

The condition for obtaining a signature is the completion of the formative assessment (practical task), as well as the discussion of the subject of the exam paper with the instructor and its acceptance by the instructor. The signature is valid according to the provisions of the CoS.

Issuing grades

Excellent	90
Very good	85–89
Good	70–84
Satisfactory	55–69
Pass	40–54
Fail	0-39

Retake and late completion

1) Pursuant to the current CoS, in the case of formative assessments, if the assignment was submitted on time, it is possible to repeat or retake it before the end of the study period, if the original task has already been accepted by the instructor. 2) The formative assessment cannot be submitted via late completion. 6) Retake, repeat and late completion of exams is possible according to paragraphs 121 and 123 of the CoS.

Coursework required for the completion of the subject

Participation in contact lessons	28
Preparation for contact lessons	14
Preparation for formative assessment	16
Preparation of the exam paper	32
total	90

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 06.05.2024.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

In order to achieve the learning outcomes set out at 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 Introduction (topics, environmental protection, circular economy, sustainability)
- 2 Environmental status of Hungary
- 3 European Union knowledge
- 4 Environmental policy of the European Union
- 5 Strategic frameworks of domestic environmental protection
- 6 Strategy creation, planning chain
- 7 Environmental indicators
- 8 Basics of situational analysis
- 9 Situation assessment methods
- 10 Most important domestic environmental protection strategies
- 11 Climate protection, international conventions

Additional lecturers

Csizovszky Anna PhD hallgató / PhD student csizovszky.anna@edu.bme.hu

Approval and validity of subject requirements