



# **SUBJECT DATASHEET**

## **Environmental Management**

### **BMEGT42A010**

# I. SUBJECT DESCRIPTION

## 1. SUBJECT DATA

### Subject name

Environmental Management

### ID (subject code)

BMEGT42A010

### Type of subject

contact unit

### Course types and lessons

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

### Type of assessment

mid-term  
grade

### Number of credits

2

### Subject Coordinator

*Name*                      *Position*    *Contact details*

Dr. Zilahy Gyula professor zilahy.gyula@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: **Elective subjects**

Subject Role: **Elective**

Recommended semester: **0**

---

### 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: 580884/8/2023 registration number. Valid from: 29.11.2023.

## 2. OBJECTIVES AND LEARNING OUTCOMES

### Objectives

To acquaint students with the basics of environmental management, its global, international and domestic trends, the corporate challenges and main research areas of environmental management, the methods used and the most important areas.

### Academic results

#### Knowledge

1. Knows global and corporate environmental problems and trends;
2. Knows the types of environmental risks, the corporate strategies based on them;
3. Knows the different trends that can be incorporated into the environmental management of companies, their advantages and disadvantages, their comparison with each other;
4. Is aware of the role of environmental performance assessment, knows the features of ISO14001 and EMAS regulation;
5. In addition, be aware of the corporate benefits of eco-marketing and social responsibility;

#### Skills

1. Able to recognize and analyze the connections in issues related to corporate environmental management,
2. To think critically about information related to corporate environmental management,
3. Recognize, understand and answer questions related to corporate environmental management,
4. To acquire a holistic approach and to map multidisciplinary connections, to justify points related to other sciences,
5. As well as being able to interpret the above in an understandable, non-professional audience.

#### Attitude

1. Collaborates with the instructor and fellow students in expanding the knowledge,
2. Expands his knowledge by constantly acquiring knowledge,
3. Open to the use of information technology tools,
4. Strives to understand complex systems,
5. Strives to understand the impact of the economy on the environment and human well-being, to assess the injustices arising from the inequalities in the distribution of resources, and to assess the factors necessary for its resolution.

#### Independence and responsibility

1. Independently solves problems related to environmental management,
2. Openly accepts substantiated critical remarks,
3. In some situations - as part of a team - cooperates with his/her fellow students in solving the tasks,
4. Use a systems approach in your thinking.

### Teaching methodology

Lectures, problem solving, written and oral communication, use of IT tools and techniques, optional independent tasks, planning.

### Materials supporting learning

- Szerk: Kósi Kálmán - Valkó László: Környezetmenedzsment. (Tankönyv; BME - Typotex Kiadó, Buda-pest, 2006.). ISBN 963-9664-07-3
- Csutora Mária – Kerekes Sándor: A környezetbarát vállalatirányítás eszközei. KJK Kerszöv, 2004.
- Journal of Cleaner Production
- Sustainable Development
- Sustainability

## II. SUBJECT REQUIREMENTS

### TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

#### General Rules

The evaluation of the learning results stated in point 2.2 is based on 2 summative assessments (mid-term exams).

#### Performance assessment methods

Detailed description of performance evaluations during the study period: Summative assessment (mid-term exam): a complex, written evaluation of the knowledge and ability-type competence elements of the subject during the semester in the form of two mid-term exams.

The mid-term exams consist of a short conceptual part and a more complex, explanatory, problem-solving part, the time available for solving them is approx. 25-30 minutes.

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

- 1st summative assessment: 50
- 2nd summative assessment: 50
- total: 100

#### Percentage of exam elements within the rating

#### Conditions for obtaining a signature, validity of the signature

-

#### Issuing grades

Excellent	91
Very good	85–90
Good	75–84
Satisfactory	65–74
Pass	50–64
Fail	0–49

#### Retake and late completion

1) Pursuant to the current CoS, each summative assessment can be retaken, repeated or completed late. 2) The summative assessments can be retaken, repeated or completed late for the first time during the late completion period free of charge. In the event of a correction,

the new result always overwrites the old one. 3) If the student is unable to obtain a grade other than 'Fail' even with the retake, repeat and late completion possibilities according to point 1), they may make a second attempt to successfully complete the course after paying the fee specified in the regulations.

#### Coursework required for the completion of the subject

participation in contact lessons	28
preparation for contact lessons	16
preparation for assessments	8
Total	60

#### Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 06.11.2023.

# 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 to environmental management
- 2 Environmental trends and the economic framework - 1.
- 3 Environmental trends and the economic framework - 2.
- 4 Environmental risks
- 5 Trends in corporate environmental protection
- 6 Corporate environmental strategies
- 7 Environmental management systems
- 8 Environmental performance assessment and indicators
- 9 Environmental marketing
- 10 Corporate social responsibility
- 11 Environmental conflicts and their management
- 12 Environmental accounting and finance

### Additional lecturers

Dr. Csuvár Ádám egyetemi adjunktus csuvar.adam@gtk.bme.hu

### Approval and validity of subject requirements