



SUBJECT DATASHEET

Environmental Management

BMEGT42A013

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name

Environmental Management

ID (subject code)

BMEGT42A013

Type of subject

contact unit

Course types and lessons

<i>Type</i>	<i>Lessons</i>
Lecture	4
Practice	0
Laboratory	0

Type of assessment

exam grade

Number of credits

5

Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
Dr. Csuvár Ádám	senior lecturer	csuvar.adam@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 Engineering Management**
Subject Role: **Compulsory for the specialisation**
Recommended semester: **7**

Direct prerequisites

<i>Strong</i>	Közgazdaságtan I., Közgazdaságtan II., Vállalatgazdaságtan / Economics I., Economics II., Business Economics
<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

Upon successful completion of the course, participants will: • Understand the role of companies in achieving the goals of sustainable development. • Get to know the most important factors determining the company's sustainability strategy and will be able to map the sustainability strategy followed by a company and suggest which strategy to follow in a given industry and market conditions. • Get to know the most important environmental management tools available to companies, their advantages and disadvantages. • Get acquainted with the most important principles and tools of CSR (corporate social responsibility).

Academic results

Knowledge

1. The student knows the types of environmental risks and the corporate strategies based on them;
2. knows the different trends that can be incorporated into the environmental management of companies, their advantages and disadvantages, and their comparison with each other;
3. is aware of the role of environmental performance assessment, knows the characteristics of the ISO14001 and EMAS regulations;
4. in addition, knows the corporate benefits related to eco-marketing and social responsibility.

Skills

1. The student is able to recognize connections in issues related to corporate environmental management;
2. to use critical thinking about information related to corporate environmental management;
3. to recognize, understand and answer questions related to corporate environmental management; Able to apply basic tools of environmental management,
4. to learn the holistic approach and to map multidisciplinary relationships, to justify points related to other sciences;
5. as well as being able to interpret the above in a comprehensible manner, to a non-professional audience.

Attitude

1. The student cooperates with the instructor and fellow students during the expansion of knowledge;
2. expands their knowledge through continuous knowledge acquisition, using multimedia tools and resources.

Independence and responsibility

1. The student solves problems related to environmental management independently;
2. accepts well-founded critical comments with an open mind;
3. in some situations - as part of a team - cooperates with fellow students in solving tasks;
4. uses a systemic approach in their thinking.

Teaching methodology

Interactive lectures, case studies, teamwork, student presentations.

Materials supporting learning

- Szerk: Kósi Kálmán - Valkó László: Környezetmenedzsment. (Tankönyv; BME - Typotex Kiadó, Budapest, 2006.). ISBN 963-9664-07-3
- Csutora Mária – Kerekes Sándor: A környezetbarát vállalatirányítás eszközei. KJK Kerszöv, 2004.
- Moodle-re feltöltött cikkek / Literature uploaded to Moodle
- Órai előadások diásorai / Slideshows of the lectures
- Journal of Cleaner Production
- Sustainable Development
- Sustainability

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The learning outcomes stated in point 2.2 are evaluated on the basis of two summative assessments (mid-term exams) and a formative assessment (group presentation).

Performance assessment methods

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

consist of multiple-choice questions and a longer explanatory, problem-solving part. Presentation: the student working groups formed at the beginning of the semester work on the analysis of the industry they have chosen according to the criteria and structure specified in advance (in general and through specific company examples). They report on their work in the form of a small group presentation (15 minutes) at the class time specified in advance by the instructor. A proposed grade can be obtained based on the performance evaluations

of the study period. Detailed description of performance evaluations during the examination period: Written exam.

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

- 1st summative assessment: 40
- 2nd summative assessment: 40
- formative assessment: 20
- total: 100

Percentage of exam elements within the rating

- Exam: 100
- Total: 100

Conditions for obtaining a signature, validity of the signature

The conditions for obtaining the signature are the completion of the mid-term exams - together - at least at a 'Pass' grade (50%) and the presentation.

Issuing grades

Excellent	90
Very good	80–89
Good	70–79
Satisfactory	60–69
Pass	50–59
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 retake, 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. 4) Due to the nature of the formative assessment, it cannot be retaken, repeated or completed late. 5) 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 classes	56
preparation for contact classes	14
preparation for performance evaluation	20
preparation of the presentation	35
autonomous learning	10
exam preparation	15
total	150

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 to environmental management
- 2 Environmental trends and economic frameworks
- 3 Environmental risks
- 4 Trends in corporate environmental protection
- 5 Corporate environmental strategies
- 6 Environmental management systems
- 7 Environmental performance assessment and indicators
- 8 Environmental marketing
- 9 Corporate social responsibility
- 10 Environmental conflicts and their management
- 11 Environmental accounting and finance
- 12 Sustainable business models and sustainable consumption

Additional lecturers

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Approval and validity of subject requirements