



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**

Programme: **Elective subjects**

Subject Role: **Elective**

Recommended semester: **0**

Programme: **Psychology Master's Programme - recommended elective subjects**

Subject Role: **Elective**

Recommended semester: **0**

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 before 2017, it will be re-checked on September 2021.

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

Assessment of the learning outcomes described under 2.2. is based on one written end-term test. The assessment includes the right solution of the non-mandatory home works.

Performance assessment methods

Detailed description of assessments during the term: 1. Summarizing academic performance evaluation (indoor dissertation): a complex, written evaluation of the subject and knowledge, ability-type competency elements during a semester from an indoor dissertation. The dissertation consists of a short conceptual and a longer explanatory, problem-solving part, the time available for their solution is approx. 25-30 minutes

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

- 1. summary study performance evaluation: 50%
- 2. summary study performance evaluation: 50%
- total: 100%

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

Issuing grades

| | |
|--------------|--------|
| Excellent | 90-100 |
| Very good | 85-90 |
| Good | 75-84 |
| Satisfactory | 65-74 |
| Pass | 50-64 |
| Fail | 0-49 |

Retake and late completion

1) The summary academic performance assessments can be replaced or improved individually free of charge during the replacement period.

In the case of correction, the more favorable of the previous and the new result for the student is taken into account. 2) The homework (essay and presentation) - in addition to paying the fee specified in the regulations - can be sent late in electronic form by 12 noon on the last day of the replacement period.

Coursework required for the completion of the subject

| | |
|--|---------|
| részvétel a kontakt tanórákon | 14×2=28 |
| félévközi készülés órákra | 16 |
| felkészülés a teljesítményértékelésekre házi feladat elkészítése | 2×4=8 |
| összesen | 60 |

Approval and validity of subject requirements

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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. Timing of the topics may be affected by calendar or other circumstances in each semester.

- 1 The aim, topics and requirements of the course. Basics of sustainable development and the corporate sphere, environmental management
- 2 Global and local environmental and social trends and their connection to corporate operations.
- 3 Environmental risks and environmental strategy. Principles of corporate environmental management
- 4 Environmental factors and impacts: their significance and assessment. Different approaches to environmental protection (end-of-pipe, preventive environmental protection and industrial ecology)
- 5 The place and role of environmental performance evaluation in the process of corporate regulation
- 6 Environmental management systems: ISO14001 - principles and practical implementation; environmental audit
- 7 Environmental management systems EMAS - principles and practical implementation; environmental audit
- 8 The concept and forms of corporate social responsibility (CSR)
- 9 Eco-marketing and corporate environmental communication; the content and purpose of corporate sustainability reports
- 10 Sustainable business models and the sustainability of business models
- 11 Economic, environmental and social impacts of the Sharing economy
- 12 Basics of sustainable consumption

Additional lecturers

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Approval and validity of subject requirements

Part I-III of the Subject Form is to be approved by the Head of Department of Environmental Economics named under 1.8.