SUBJECT DATASHEET

ENVIRONMENTAL AND RESOURCE ECONOMICS

BMEGT42M003

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
ENVIRONMENTAL AND RESOURCE ECONOMICS

ID (subject code)	BMEGT42M003

Type of subject
contact lessons

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
Mid-term grade

Number of credits
2

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Horváth György Ádám	senior lecturer	horvath.gyorgy@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

Direct prerequisites

Strong	None
Weak	mikro- és makroökonómia - környezetgazdaságtan
Parallel	None
Exclusion	None

Validity of the Subject Description

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The course unit aims to introduce engineering students with the interconnected systems of environ-ment/environmental resources and economy, the theory and practice of sustainable development, its opportuni-ties and domains, the European framework of environmental regulations and its domestic implications..

Academic results

Knowledge

1. The student understands the role and importance of environmental and natural resources, the interrela-tions of the economy and the environment, and their current conflicts, and their motivators.
2. The student comprehends the strategy of sustainable development, its levels and dimensions and their complexity.
3. The student is aware of the theoretical approaches and practical mechanisms of environmental-economic regulatory tools, and the efficiency criteria of their use.
4. The student understands the sustainability challenges encountered by economic agents.

Skills

Attitude

1. The students collaborate/cooperate with the lecturer and fellow students on acquiring knowledge
2. The students expand their knowledge by continuous learning
3. The students are open to use IT solutions
4. The student strives to understand the nature and problems associated with environmental and natural resources in the interest of securing the commonwealth of society

Independence and responsibility

1. The students are able to work individually: selecting methods and techniques; organizing, planning, coordinating work; collecting, organizing, analysing, evaluating data; developing in general and professionally
2. The students are able to apply system-oriented thinking.
3. The students are able to take responsibility for the analyses, conclusions, decisions made.
4. The students are able to perform tasks individually and with responsibility as a member of a project team.

Teaching methodology

Lectures, problem discussions and case studies. Oral and written communication, use of IT.

Materials supporting learning

- Szlávik János (szerk.): Környezetgazdaságtan. Typotex Kiadó, Budapest, 2008.
- Előadásanyagok diasorai. – Lecture slides.
- Kósi Kálmán – Valkó László: Környezetmenedzsment. Typotex Kiadó, Budapest, 2006..
- W. McDonough-M. Braungart: Bölcsőtől bölcsőig – Környezettudatos tervezéstől a gyártásig. HVG Kiadó, Budapest, 2007.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

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Performance assessment methods

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

- **1. összegző tanulmányi teljesítményértékelés**: 50,0%
- **2. összegző tanulmányi teljesítményértékelés**: 50,0%
- **Sum**: 100%

Percentage of exam elements within the rating

- **-**: -

Conditions for obtaining a signature, validity of the signature

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Issuing grades

Excellent	90
Very good	85–90
Good	72,5–85
Satisfactory	65–72,5
Pass	50–65
Fail	0-50

Retake and late completion

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Coursework required for the completion of the subject

részvétel a kontakt tanórákon	14×2=28
félévközi készülés órákra	16
felkészülés a teljesítményértékelésekre	2x8=16
összesen	60

Approval and validity of subject requirements

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

A 2.2. pontban megfogalmazott tanulási eredmények eléréséhez a tantárgy a következő tematikai blokkokból áll. Az egyes félévekben meghirdetett kurzusok sillabuszaiban e témaelemeket ütemezzük a naptári és egyéb adottságok szerint.

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Additional lecturers

Dr. Horváth György egyetemi adj. horvath.gyorgy@gtk.bme.hu

Approval and validity of subject requirements