



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

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

Type of assessment

Mid-term
grade

Number of credits

2

Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
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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 environment/environmental resources and economy, the theory and practice of sustainable development, its opportunities 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 interrelations 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	2×8=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

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Approval and validity of subject requirements