SUBJECT DATASHEET

Environmental Planning

BMEGT42M412

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Environmental Planning

ID (subject code)	BMEGT42M412

Type of subject
contact unit

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
mid-term grade

Number of credits
3

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Bartus Gábor	senior lecturer	bartus.gabor@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 Environmental Engineering**
Subject Role: **Compulsory**
Recommended semester: **2**

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: 580251/13/2023 registration number. Valid from: 29.03.2023.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the course is to provide general knowledge to the students about the policy context and field of application of environmental planning.

Academic results

Knowledge

1. Knows the theoretical background and the main concepts of environmental planning.
2. Knows the main indicators and planning methods of circular ecnomy, sustainable deevelopment and environmental assessments
3. Knows the priority horizontal policies of the environmental planning, espcially in the field of natural resource management, climate protection and sustainable development
4. Knows the main principles of EU and national environmental planning and their state-level, municipality and company level practices

Skills

1. Able to form own opinion in environmetal planning issues

Attitude

1. Cooperate by the lecturer and other students
2. Endeavors to understand the complex sytems
3. Endeavors to make its decisions taking into account technical, economic and social aspects

Independence and responsibility

1. Independently selects and applies the relevant problem-solving and analytical methods in solving the analyt-ical tasks belonging to his / her field
2. Feels responsible for achieving sustainable development
3. Feels responsible for taking greater account of environmental and social aspects

Teaching methodology

Lectures, team work

Materials supporting learning

- Lecture slides

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The two pillars of the evaluation of learning outcomes set out in point 2.2.: 1. summative assessment of the competencies acquired during the semester (2 mid-term exams); 2. as well as the preparation of a mandatory essay assignment.

Performance assessment methods

Detailed description of performance evaluations during the semester: 1. Summative assessments: a complex, written evaluation method of the subject and knowledge and ability-type competence elements in the form of mid-term exams. The tests focus on the assessment of the acquired knowledge and their application, so they focus on problem recognition and solution. The parts of the curriculum that are the basis of the evaluation are determined by the lecturer of the subject, the available working time is 50 minutes. 2. Essay assignment: a complex evaluation method of the subject's knowledge, ability, attitude, and independence and responsibility competence elements, which takes the form of an independently prepared study. The content, requirements, submission deadline and evaluation method
of the study are determined by the instructor.

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

- **1st summative assessment**: 30
- **2nd summative assessment**: 30
- **Essay assignment**: 40
- **total**: 100

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

-

Issuing grades

Excellent	90
Very good	85-89
Good	70-84
Satisfactory	55-69
Pass	40–54
Fail	0-39

Retake and late completion

1) The summative evaluation assessments can be retaken. 2) The summative evaluation assessments can be retaken or corrected for the first time during the replacement 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 unsatisfactory even with the replacement according to point 1), he/she may make a second attempt to successfully complete the course by paying the fee specified in the regulations.

Coursework required for the completion of the subject

Attending contact lessons	28
Preparing for contact lessons	12
Preparing for summative assessments	10
Preparing the essay task	30
Independent studying	10
total	90

Approval and validity of subject requirements

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

In order to achieve the learning outcomes set out in 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 planning, sustainability
2 Environmental indicators I: (theory)
3 Environmental indicators II. (exercise)
4 EU knowledge, EU environmental policy
5 Hungary's environmental planning framework: National Environmental Protection Program, OECD environmental "mirror"
6 Strategic planning in environmental protection
7 Environmental planning of sectorial plans: strategic environmental assessment
8 Environmental planning in corporate and municipal practice
9 Environmental planning tools: SWOT analysis I. (theory)
10 Environmental planning tools: SWOT analysis II. (exercise)
11 Life cycle analysis as an analysis tool for environmental planning
12 Climate protection, UNFCCC, Kyoto, Copenhagen, Paris

Additional lecturers

Dr. Pálvölgyi Tamás egyetemi docens / associate professor palvolgyi.tamas@gtk.bme.hu

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