SUBJECT DATASHEET

Sustainable Regional Development

BMEGT42M535

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Sustainable Regional Development

ID (subject code)	BMEGT42M535

Type of subject
contact unit

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
exam grade

Number of credits
3

Subject Coordinator

Name	*Position*	*Contact details*
Szalmáné Dr. Csete Mária	associate professor	csete.maria@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: **Regional and Environmental Economic Studies part-time programme, autumn start**
Subject Role: **Compulsory**
Recommended semester: **3**

Programme: **Regional and Environmental Economic Studies part-time programme, spring start**
Subject Role: **Compulsory**
Recommended semester: **4**

Direct prerequisites

Strong	Regionális gazdaságtan; Környezetgazdaságtan
Weak	Fenntartató környezet- és erőforrásgazdálkodás
Parallel	None
Exclusion	None

Validity of the Subject Description
Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 580393/12/2023 registration number. Valid from: 31.05.2023.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

To acquaint students with the connections between sustainability and regional development, its theoretical and policy foundations, international and domestic experiences, main goals, tasks, institutional system and tools, and current issues. Among the objectives of the sustainable regional development course, innovative solutions promoting the transition towards sustainability and the presentation of their evaluation possibilities are highlighted.

Academic results

Knowledge

1. Knows the concept of sustainable development, is able to distinguish between global and local problems;
2. Knows the sustainability challenges appearing at the level of different territorial units and is able to distinguish the appropriate answers for the given level;
3. Knows the global and local challenges caused by climate change and proposed solutions, with particular regard to innovative intervention options;
4. Knows the sustainable local economic development efforts and programs, as well as its tool system, and the connection points between individual policies and integrated settlement development;
5. Knows the most important sustainability and climate protection indicators of regional development and local economic development, the factors hindering or facilitating the transition to sustainability;
6. They know the consequences of regional development arising from the processes of digital and sustainability transition.

Skills

1. The student is able to assess the main challenges related to sustainability,
2. To identify the impact of certain economic policies on sustainable regional development opportunities,
3. To recognize the effectiveness of certain policies and their set of tools in managing territorial inequalities,
4. To determine the impact of local and global economic processes on specific locations, in particular with regard to the expected effects of climate change and the feasibility of the transition to sustainability,
5. To explore and understand local-level responses to sustainable regional development, with particular regard to the digital transition and innovative solutions in the age of climate change,
6. To perform independent analytical and evaluation work in the field of local economic development,
7. To perform independent analytical and evaluation work in the field of strategy creation and local climate strategies,
8. They are also able to interpret the above in a comprehensible, non-professional audience.

Attitude

1. Cooperates with the instructor and fellow students in expanding their knowledge,
2. expands their knowledge through continuous knowledge acquisition,
3. open to the use of information technology tools,
4. seeks to understand complex systems,
5. strives to understand the impact of the economy on human well-being, the injustices arising from the inequalities of resource distribution, and to evaluate the factors necessary to solve them.

Independence and responsibility

1. The student independently solves problems related to local and regional economic development,
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 the systemic approach in his thinking.

Teaching methodology

Presentations, problem solving, written and oral communication, use of IT tools and techniques, tasks and plans prepared independently and in group work.

Materials supporting learning

- Tankönyvek, jegyzetek, letölthető anyagok
- Lengyel Imre: Regionális és városgazdaságtan, Szegedi Egyetemi Kiadó, 2021. pp 579
- Előadásanyagok diasorai. / egyetemi jegyzet
- Fenntartható térségfejlesztés egyetemi jegyzet (Szabó Mariann – Szalmáné Csete Mária)
- Klímainnovációs esettanulmányok egyetemi jegyzet (Szalmáné Csete Mária)
- Csizmadia Norbert: Geopillanat. A 21. század megismerésének térképe. L'Hartmann, 2016. pp 407

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The learning results stated in point 2.2 are evaluated as follows: summative evaluation of the competencies acquired during the semester:
summative assessments (2 mid-term exams).

Performance assessment methods

A. Detailed description of performance evaluations during the study period: Summative assessment: a complex, written evaluation method
of the subject and knowledge and ability-type competence elements in the form of mid-term exams. The mid-term exam focuses on the assessment
of the acquired knowledge and its application, thus focusing on problem recognition and solution. The course material on which the evaluation is based is determined by the lecturer of the subject, the available working time is 60 minutes. B. During the examination period: Examination

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

- **1st summative assessment**: 50
- **2nd summative assessment**: 50
- **Total**: 100

Percentage of exam elements within the rating

- **This table reflects the evaluation percentages of the students who accepted the proposed grade. If the student decides not to accept the proposed grade, they can take an exam, the result of which constitutes 100% of the final result.**: 100

Conditions for obtaining a signature, validity of the signature

The condition for obtaining the signature is the successful (minimum 50 percent) completion of each mid-semester summative assessment.
The signature is valid according to the provisions of the CoS.

Issuing grades

Excellent	91
Very good	85-90
Good	76-84
Satisfactory	64-75
Pass	50-63
Fail	0-49

Retake and late completion

1) The summative assessments can be retaken or corrected. 2) The summative assessments can be retaken or corrected for the first time during the retake 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 'Fail' even with the replacement according to point 1), they 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

Participation	28
Preparation for contact lessons	10
Preparation for summative assessments	20
Preparation of practical task	0
Independent studying	10
Preparation for the examination	22
Total	90

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 08.05.2023.

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. The subject and main elements of sustainable regional development, spatiality of globalization processes.

2 Tools of territorial policy; regional development as an economic policy tool.

3 The concept of regional economic development and regional competitiveness, its relationship with climate change in the age of digitalization.

4 Spatiality of the innovation process, with particular regard to local aspects.

5 The concept and explanations of sustainable regional development and sustainable local economic development. Aspects of development economics, the issue of embarking on a sustainable development path.

6 Assessment methods, domestic and international experiences of sustainable regional development and sustainable local economic development 1.

7 Evaluation methods of sustainable regional development and sustainable local economic development, domestic and international experiences 2.

8 Interpreting the connections between sustainability and climate change from a regional point of view. The concept and importance of innovation in the age of digitalization. Relationship between three concepts.

9 Interpretation of the concept of climate innovations. Presentation of the system of climate innovations, identification of possible tools.

10 Regional differences in climate innovations. The measurability of the spatial and sectoral effects of climate innovations, or modeling.

11 The role and potential of regional and sectoral climate innovation solutions in sustainable regional development.

12 The role and possibilities of horizontal climate innovation solutions in sustainable regional development.

Additional lecturers

Dr. Szabó Mariann egyetemi adjunktus / senior lecturer szabo.mariann@gtk.bme.hu

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