



# **SUBJECT DATASHEET**

## **PROJECT MANAGEMENT**

**BMEGT20ML72**

# I. SUBJECT DESCRIPTION

## 1. SUBJECT DATA

### Subject name

PROJECT MANAGEMENT

### ID (subject code)

BMEGT20ML72

### Type of subject

contact lessons

### Course types and lessons

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

### Type of assessment

exam grade

### Number of credits

5

### Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
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### Educational organisational unit for the subject

Department of Management and Business Economics

### Subject website

<https://edu.gtk.bme.hu>

### Language of the subject

magyar - HU

### Curricular role of the subject, recommended number of terms

Programme: **Marketing MSc from 2017/18/Term 1**

Subject Role: **Compulsory**

Recommended semester: **2**

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Programme: **Marketing MSc from 2019/20/Term 1**

Subject Role: **Compulsory**

Recommended semester: **2**

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Programme: **Master of Business Administration MSc from 2017/18 Term 1**

Subject Role: **Compulsory**

Recommended semester: **2**

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Programme: **Master of Business Administration MSc from 2018/19 Term 1**

Subject Role: **Compulsory**

Recommended semester: **2**

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Programme: **Master of Business Administration MSc from 2019/20 Term 1**

Subject Role: **Compulsory**

Recommended semester: **2**

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### 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: 580227/16/2022. Valid from: 27.04.2022.

## 2. OBJECTIVES AND LEARNING OUTCOMES

### Objectives

The aim of the course is to present the terminology, tools and techniques of project management. The curriculum briefly summarizes, in a structured way, the knowledge required to manage a project within the framework of the subject. The course also emphasizes the presentation of practical solutions (software).

### Academic results

#### Knowledge

1. Know the modern, theoretically demanding mathematical-statistical and modelling methods of problem recognition, formulation and solution, information collection and processing, as well as their limitations.
2. Know the planning and management rules of the enterprise or other organization.
3. Understand the structure and operation of business organizations.
4. Are in possession of modern, theoretically demanding mathematical-statistical and modelling methods of problem recognition, formulation and solution, information collection and processing, he also knows their limitations.

#### Skills

1. Formulate independent new conclusions, original ideas and solutions. They are able to apply demanding analysis and modelling methods, to develop strategies for solving complex problems, to make decisions.
2. Are able to identify special professional problems with a multifaceted, interdisciplinary approach, as well as to explore and formulate the detailed theoretical and practical background.
3. Develop an individual position based on her own analysis and defend it in a debate. They are able to develop strategies for solving complex problems, to plan the solution, to make decisions.
4. Participate in management processes, projects, group task solutions. As a leader plans, directs, organizes, coordinates and evaluates the activity. Able to manage and operate her own business with the knowledge and experience gained.
5. Are able to develop strategies for solving complex problems, to plan the solution, to make decisions, to provide professional advice to economic actors. It uses an interdisciplinary approach to analysis and practical problem solving, if necessary.

#### Attitude

1. Are critical of their own work and their subordinates', and show innovative and proactive behavior in dealing with economic problems. Are open and inclusive of new achievements in economics and practice.
2. Strive to improve its knowledge and working relationships, and encourages, helps and supports its employees and sub-ordinates.
3. Are open and inclusive to new achievements in economics and practice.
4. Turn with interest to the results and solutions of related disciplines, open to relationship building.
5. Are committed to quality work. In a project, in the case of group tasks, they are self-confident, constructive, cooperative, proactive, tolerant and inclusive.
6. Are motivated in planning their professional career to increase professional and social knowledge and well-being.

#### Independence and responsibility

1. Independently select and apply the relevant problem-solving methods in areas of organizational policy, strategy and management.
2. Take responsibility for his own work, for the organization she manages, for her business, for her employees.
3. Perform economic analysis, decision preparation and consulting tasks independently.
4. Involve in research and development projects, mobilizes her theoretical and practical knowledge and skills in the project group in an autonomous way, in cooperation with the other members of the group.

### Teaching methodology

Lectures, calculations, optional tasks.

### Materials supporting learning

- Sebestyén Z.: Projektmenedzsment, oktatási segédlet

# II. SUBJECT REQUIREMENTS

## TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

### General Rules

A tanulási eredmények értékelése a szorgalmi időszakban egy esettanulmány kidolgozásával és a vizsgaidőszakban írásbeli vizsgával történik.

### Performance assessment methods

A. Szorgalmi időszakban végzett teljesítményértékelések: Egy valós projekthez kapcsolódó esettanulmány csoportos kidolgozása. B. Vizsgaidőszakban végzett teljesítményértékelés (vizsga): Írásbeli teljesítményértékelés során a félév során érintett témakörök elméleti háttérének és gyakorlati alkalmazásának ellenőrzése.

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

- Esettanulmány: 10%

### Percentage of exam elements within the rating

- Írásbeli vizsga: 90%

### Conditions for obtaining a signature, validity of the signature

Az aláírás feltétele az esettanulmány sikeres kidolgozása.

### Issuing grades

Excellent	95-100
Very good	90-94
Good	75-89
Satisfactory	60-74
Pass	50-59
Fail	0-49

### Retake and late completion

A TVSZ szabályainak megfelelően.

### Coursework required for the completion of the subject

részvétel a kontakt tanórákon	12×2=24
kijelölt írásos tananyag önálló elsajátítása	40
vizsgafelkészülés	46
esettanulmány kidolgozása	40
Összesen	150

### Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 04.04.2022.

# III. COURSE CURRICULUM

## THEMATIC UNITS AND FURTHER DETAILS

### Topics covered during the term

1. Projektfázisok jellemzői, a projektélelciklus és a termékélelciklus kapcsolata. 2. Folyamatok, folyamatcsoportok. Projektsiker. 3. Főbb dokumentumok: projektalapító okirat, előzetes projektterjedelem-leírás, projektmenedzsmentterv. 4. Élelciklus szerinti elemzés. Szereplők, szerepek. Szervezeti kérdések: személyzetmenedzsment-terv, szervezeti formák, emberi erőforrás tervezés eszközei. 5. Hálótervezés: hálóméleti alapok, munkalebontási szerkezet, függőség meghatározása, megelőzési és követési listák, hálók felrajzolása és elemzése. 6. CPM, PERT. 7. MPM, GERT. 8. Becslés: hibák, szabályok, pontosság, három szintje, általános technikák. 9. Erőforrások: terhelés, S-görbe, erőforrás-allokálás. 10. Nyomon követés: EVM, ES. 11. Kockázat: kvalitatív és kvantitatív kockázatelemzés. Szerződéstípusok. Versenyeztetés. Projektportfólió-menedzsment: definíció, lépések, rangsorolás, nyomon követés. 12. Projektmenedzsment szoftveres gyakorlat.

### Additional lecturers

### Approval and validity of subject requirements