SUBJECT DATASHEET

Projekt Work

BMEGT42A102

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Projekt Work

ID (subject code) BMEGT42A102

Type of subject
consultation unit

Course types and lessons

Type	*Lessons*
Lecture	0
Practice	4
Laboratory	0

Type of assessment
mid-term grade

Number of credits
5

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Szabó Mariann	assistant professor	szabo.mariann@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 Engineering Management**
Subject Role: **Compulsory for the specialisation**
Recommended semester: **6**

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: 580269/9/2025 registration number. Valid from: 26.03.2025.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The project task is a complex, practice-oriented task requiring almost equal proportions of technical and management knowledge. In the framework of independent research work assisted by consultations, the student uses the knowledge and skills learned, deepens and applies knowledge of research methods, presents the theoretical and practical background of the topic, prepares an independent paper on the work performed, presents it orally, and prepares for the thesis. It is possible that the project task involves a task performed as a member of a real corporate project team. In this case, it must be clearly defined what the student's independent work is during the completion of the task.

Academic results

Knowledge

1. The student has knowledge of the basic, comprehensive concepts, theories, facts, and relationships of the technical management profession.
2. The student has knowledge of the information gathering, mathematical, and statistical analysis methods related to their field of expertise.
3. The student applies the foundations of scientific work and research, including research theoretical methods.
4. The student knows and uses software supporting research data collection and evaluation and higher-level statistical methods.
5. The student applies the forms and rules of oral and written scientific communication, and has knowledge of the professional vocabulary of the technical management field.
6. They know the rules and ethical standards of cooperation in a project, team, or work organization, and project management.

Skills

1. 1. By applying the learned theories and methods, the student explores, synthetises and analyses facts and fundamental relationships, formulates independent conclusions and critical observations, prepares decision-preparatory proposals, and makes decisions in routine and partly unknown - domestic and international - environments.
2. They are able to apply the techniques for solving economic and management problems related to the technical field, problem-solving methods, with regard to their application conditions and limitations.
3. They can present a professionally formulated professional proposal and position, both orally and in writing, in Hungarian and foreign languages, according to the rules of professional communication.

Attitude

1. The student demonstrates problem-sensitive, proactive behaviour in order to perform quality work.
2. The student is constructive, cooperative, and proactive in group tasks.
3. They are receptive to receiving new information, new professional knowledge and methodologies, and are open to taking on new, independent and collaborative tasks and responsibilities. They strive to develop their knowledge and working relationships, and to cooperate with their colleagues in this.
4. They are receptive to the professional opinions of others, to sectoral, regional, national, and European values (including the social, ecological, and sustainability aspects of technical projects).

Independence and responsibility

1. The student assumes responsibility for the completed and properly documented professional work, the conclusions described therein, and the related decisions.
2. They also assume responsibility for complying with the legal and ethical norms and rules related to their professional work and conduct.
3. As a member of projects, group work, and organizational units, they perform their assigned tasks independently and responsibly.

Teaching methodology

The academic work consists of writing a thesis project and its oral presentation, which is accompanied by assignment specification preparatory and consultation activities.

Materials supporting learning

- A projektfeladathoz kapcsolódó szakirodalmi és további ismeretszerzési lehetőségek kijelölése és összegyűjtése a konzultációk és önálló munka keretében történik.
- A kutatómunkához szükséges információgyűjtésnek, irodalomkutatásnak a projektfeladat összes (gazdasági, műszaki, kutatásmódszertani és egyéb menedzsment) szempontjára ki kell térnie az oktatóval közösen meghatározott mértékben.
- Egyéb, a projektfeladat megírását támogató, segédletek a tárgy Moodle oldalán találhatók (https://edu.gtk.bme.hu).
- The selection and collection of literature and further knowledge acquisition opportunities related to the project task takes place within the framework of consultations and independent work.
- The information gathering and literature research must cover all aspects of the project task (economic, technical, research methodology and other management) to an extent determined jointly with the instructor.
- Other aids supporting the writing of the project task can be found on the subject's Moodle page (https://edu.gtk.bme.hu).

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The learning outcomes stated in point 2.2 are assessed in the form of a written paper (summative assessment) and an oral presentation (formative assessment), taking into account the proactivity demonstrated during consultations and other tasks related to the project task. The necessary but not sufficient conditions for an assessable summative assessment are: A) the development of the technical part in an assessable quality; B) the collection of information necessary for the research work, the completion of literature-research along all aspects of the project task (economic, technical, research methodology and other management aspects). The necessary but not sufficient conditions for an assessable partial performance assessment are: A) the preparation of the presentation by the deadline; B) the act of presentation.

Performance assessment methods

Detailed description of the performance assessments carried out during the study period: Mandatory criteria for the final assessment process of the project task, without which the student cannot complete the subject: 1) Preparation of the assignment specification by the deadline and uploading it to the electronic educational system. 2) The requirement for obtaining a grade is regular (at least 3) consultations recorded in the electronic educational system supporting project-type subjects. 3) Preparation of the assessable written paper by the specified deadline. 4) The professional content of the assessable written paper meeting the minimum character count requirement, i.e. it reaches a minimum of 30,000 characters without spaces. 5) Participation in an oral presentation (with

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

- **Proactivity demonstrated during consultations and other tasks related to the project task**: 5
- **Performance in oral presentation**: 15
- **Formal compliance of submitted written project task**: 10
- **Professional content of the submitted project task**: 70
- **Total**: 100

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

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Issuing grades

Excellent	91
Very good	85-90
Good	70-84
Satisfactory	60-69
Pass	50-59
Fail	0-49

Retake and late completion

1) According to the current CoS, the summative assessment can be retaken, repeated or completed late free of charge during the late completion period. The latest date for late submission is the last day of the late completion period. There is no possibility of subsequent correction. 2) Participation in the formative assessment is mandatory for the Project Work subject. The oral presentation can only be repeated/retaken once in the event of an excused absence.

Coursework required for the completion of the subject

consultations	5
information gathering	25
development of technical content	20
writing and presentation of the project task	100
total	150

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 03.03.2025.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

The subject is a consultation subject, there are no contact classes or topics presented during the semester.

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Additional lecturers

Approval and validity of subject requirements