



SUBJECT DATASHEET

Fundamentals of value methodology

BMEGT20MN61

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name

Fundamentals of value methodology

ID (subject code)

BMEGT20MN61

Type of subject

contact lessons

Course types and lessons

<i>Type</i>	<i>Lessons</i>
Lecture	1
Practice	1
Laboratory	0

Type of assessment

term grade

Number of credits

3

Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
-------------	-----------------	------------------------

Dr. Kalló Noémi	assistant professor	kallo.noemi@gtk.bme.hu
-----------------	---------------------	------------------------

Educational organisational unit for the subject

Department of Management and Business Economics

Subject website

edu.gtk.bme.hu

Language of the subject

magyar - HU, English - EN

Curricular role of the subject, recommended number of terms

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 purpose of the course is to acquaint the students with the foundations and practical application of value methodology (recorded in an international standard). During the completion of the subject, students have the opportunity to obtain the Student Certification of the international organization of Value for Europe.

Academic results

Knowledge

1. Students get to know the main relationships of knowledge in the technical, economic and management fields.
2. Students get to know the operating principles of organizations as purposeful systems.
3. Students learn about technical, economic and management activities in organizations and their connections.
4. Student learn the basics of value management.

Skills

1. Students will be able to apply and make practical use of the acquired knowledge and use problem-solving techniques.
2. Students will be able to perform technical and economic decision preparation tasks and make decisions.
3. Students will be able to develop and implement innovation plans.
4. Students will be able to perform the tasks of value analysis.
5. Students will be able to improve the quality and efficiency indicators of organizational operation, technical implementation, and management.

Attitude

1. Students become characterized by creativity and flexibility.
2. Students become characterized by good communication, reasoning and cooperation skills.
3. Students become characterized by problem recognition and problem-solving skills.
4. Students become characterized by advanced analyzing and synthesizing ability.

Independence and responsibility

1. Students are expected to be intuitive and methodical.
2. Students are expected to have the positive attitude necessary for professional further education.
3. Students are expected to take the initiative, take personal responsibility, and make decisions.
4. Students are expected to be able to cooperate and participate in group work.

Teaching methodology

Lectures, exercises, and project work.

Materials supporting learning

- Poór J. (2016): Menedzsment-tanácsadási kézikönyv. Akadémiai Kiadó.
- Hoffer I. (2020) Funkcióstruktúrák az értékmódszertanban. Budapesti Corvinus Egyetem.
- SAVE International (2020): VM Guide: A Guide to the Value Methodology Body of Knowledge. SAVE International Paperback.
- SAVE International (2016): Function Analysis Guide. SAVE International Paperback.
- Lawrence D Miles Foundation (2008): Value Methodology: A Pocket Guide to Reduce Cost and Improve Value Through Function Analysis. GOAL/QPC, Inc.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

Performance in the subject is based on mid-semester performance evaluations (mid-term test, project work, presentation).

Performance assessment methods

Mid-term test: in writing, a minimum score of 40% must be achieved to complete the subject. Project work: value and function analysis of a product/service, it has to be submitted until deadline to complete the subject. Presentation: oral presentation of the project work on the last week, participation is needed to complete the subject.

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

- Mid-term test: 25
- Project work and presentation: 75
- Total: 100

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

Issuing grades

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

Retake and late completion

The mid-term test can be retaken once in the semester. Due to its type, the project and its presentation cannot be replaced or improved.

Coursework required for the completion of the subject

Class work and its preparation time	40
Preparation for mid-term test	10
Project work	25
Preparation for presentation	15
Total	90

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 13.03.2023.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

During the semester, students get to know the basics, purpose, tools, and application possibilities of the value method while they themselves use it in their own work.

- 1 Concept of value and function, value methodology, value analysis, value planning, value management.
- 2 Methods, approaches, standards, principles, driving forces used in value management.
- 3 Stakeholder theory, concepts of demand, goals and performance, hierarchy of objectives, preliminary risk analysis.
- 4 Creating a work group, the importance of multidisciplinary teamwork, team vs. group, team development.
- 5 Needs and functions, needs-function relationship matrix, classification and arrangement of functions, function models, model validation.
- 6 Individual and group methods of idea generation, grouping and development of ideas, concepts of idea and proposal.
- 7 Profitability calculations, life cycle cost calculation, decision methods, process development, risk management.
- 8 Presentation techniques, introduction and follow-up plan preparation, change management considerations, value culture in organizations.

Additional lecturers

Tarjáni Janka Ariella PhD hallgató/Phd Student tarjani.janka@gtk.bme.hu

Gerse-Krizsa Teréz egyetemi tanársegéd/assistant lecturer krizsa.terez@gtk.bme.hu

Approval and validity of subject requirements