SUBJECT DATASHEET

Quality Management in the Vocational Education

BMEGT20A701

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Quality Management in the Vocational Education

ID (subject code) BMEGT20A701

Type of subject
contact lessons

Course types and lessons

Type	*Lessons*
Lecture	4
Practice	0
Laboratory	0

Type of assessment
exam grade

Number of credits
4

Subject Coordinator

Name	*Position*	*Contact details*
Erdei János	senior lecturer	erdei.janos@gtk.bme.hu

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: **Vocational Technical Instructor**
Subject Role: **Compulsory**
Recommended semester: **3**

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: 580162/10/2026 registration number. Valid from: 18.03.2026.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The subject introduces students to current issues of quality management, the fundamentals of Total Quality Management's management philosophy, and the most important quality techniques and methods used in developing and effective operation of quality systems.

Academic results

Knowledge

1. Knows the basic, comprehensive concepts, theories, facts, and economic contexts of quality management concerning the

Skills

1. Are capable of using the learned theories and methods, exploring, systematizing, and analyzing facts and basic connections, formulating independent conclusions, critical remarks, making decision-making proposals, and making decisions in routine and partly unknown - domestic and international - environments.

Attitude

1. Collaborate with the instructor and fellow students in expanding the knowledge

Independence and responsibility

1. Under professional supervision, independently carry out quality management tasks and problems, interpret and solve them based on given resources

Teaching methodology

Lectures, practical tasks, written and oral communication, IT tools and techniques, optional independent and group work, work organization techniques.

Materials supporting learning

- Kövesi J- Topár J.(szerk.): A minőségmenedzsment alapjai Typotex Budapest 2012.
- Tenner, A.R. - DeToro, I.J.: Teljes körű minőségmenedzsment TQM, Műszaki Könyvkiadó, Budapest, 2001, 2004.
- ISO 9001:2015 Minőségirányítási Rendszerek - Követelmények (ISO 9000 Standard)
- Kiran, D.R.: Total Quality Management key concepts and case studies, Elsevier, 2017.
- Ross, J.E.: Total Quality Management, St. Lucie Press, Delray Beach, 1993.
- Sower, V.E.: Essential of Quality with cases and experiential exercises, Wiley, 2011.
- Tenner, A.R. - DeToro, I.J.: Total Quality Management, Addison Wesley, 1993.
- Topár, J.: A minőségmenedzsment rendszerek fejlődésének néhány jellemzője a hazai vállalkozások-nál, Harvard Business Manager 4/2001 pp.50-57
- Topár J. 2015. A minőségmenedzsment rendszerek szerepe a szervezetek működésében (lehetőségek és gondok). Minőség és megbízhatóság, XLIX. 3-4., pp.159-168.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

A 2.2. pontban megfogalmazott tanulási eredmények értékelése év végi írásbeli teljesítménymérés (összegző tanulmányi teljesítményértékelés)
alapján történik.

Performance assessment methods

A. A vizsgaidőszakban végzett teljesítményértékelések részletes leírása: Írásbeli teljesítményértékelés.

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

Percentage of exam elements within the rating

- **Written exam**: 100
- **Total**: 100

Conditions for obtaining a signature, validity of the signature

Az aláírás megszerzésének nincs feltétele.

Issuing grades

Excellent	93
Very good	88–92
Good	75–87
Satisfactory	62–74
Pass	50–61
Fail	0-49

Retake and late completion

Vizsgaismétlés szabályai szerint

Coursework required for the completion of the subject

részvétel a kontakt tanórákon	16
kijelölt írásos tananyag önálló elsajátítása	64
vizsgafelkészülés	40
összesen	120

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 02.03.2026.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

A 2.2. pontban megfogalmazott tanulási eredmények eléréséhez a tantárgy a következő tematikai blokkokból áll. Az egyes félévekben meghirdetett
kurzusok sillabuszaiban e témaelemeket ütemezzük a naptári és egyéb adottságok szerint.

1 The concept of quality, basics of quality management, the evolution of quality management.

2 Total Quality Management, total commitment and empowerment, differences between leader and manager.

3 Customer focus, differences between products and services from a quality aspect.

4 Quality management systems, formalized QMS, ISO.

5 Organizational self-assessment, self-assessment aspects, EFQM, quality awards.

6 Quality mangement in the vocational education.

Additional lecturers

Approval and validity of subject requirements