

Obuda University Bánki Donát Faculty of Mechanical and Safety Engineering				Institute of Mechanical Engineering and Technology			
Course title and code:		Quality management BGXMBE5BNE, BAGMB1ANND, BAGMB1KTNC		Credits:		2	
full time	training	2026/2027		academic year		I. semester	
Faculties in which the subject is taught:				Mechatronic Engineering BSc			
Lecturer instructor:		Dr. habil. Farkas Gabriella		Instructor(s):		Dr. habil. Farkas Gabriella Tóth Georgina Nóra	
Prerequisites conditions (code):							
Hours per week							
Lecture:	1	Practice:	-	Laboratory:	1	Consultation:	1
Semester closing way: (required):				midterm mark (written)			
Online consultation (optional):				BBB link:			
Curriculum :		The objective of the course: This course gives an overview of the interpretation of the content and factors influencing quality and quality management.					
Schedule							
Educationa l weeks	Topics						
1.	L: - P: Quality level assessment.						
2.	L: Introducing the basics of quality. Quality management history, models of quality management. P: -						
3.	L: - P: Quality control tools 1.						
4.	L: Tools and methods in quality management. Risk management and technics. P: -						
5.	L: - P: Quality control tools 2.						
6.	L: Quality management systems (QMS, OH&S, Safety, Energy, Information). Quality audit. P: -						
7.	L: - P: Risk assessment tools.						
8.	L: - P: -						
9.	L: - P: Statistical process control in practice.						
10.	L: Statistical process control, capability and stability examinations. Automotive supplier standards, quality costs. TQM, self-evaluation. TPS. Lean technology. P: -						
11.	L: - P: -						
12.	L: Test (Rector's holiday!!!) P: -						
13.	L: - P: Replacement of practice.						
14.	L: Replacement of test. P: -						

Requirements in a term					
Number	Test		Task		Laboratory measurement
1	Date	Number	Deadline	Number	Date
	12. week	5	11. week	-	-
Condition of evaluation and replacement <i>Participation in the courses is governed by HKR.</i> <i>Replacement during the term is regulated in HKR.</i> <i>The procedure for getting midterm mark/signatures after the end of the educational term is provided down in Academic Regulations.</i>					
Other requirements for participation in courses are not covered by the regulations and restrictions on replacements:					
maximum overall score	Test minimum score for completion/test	maximum overall score	Task minimum score for completion/task	maximum overall score	Laboratory measurement minimum score for completion/measurement
80	40	20	10	-	-
Maximum overall score in a term:					
Scoring limits	pass from points	satisfactory from points	good from points	excellent from points	
	50	60	70	85	
Other evaluation criteria:					
Students with individual study programs are exempt from attending laboratory exercises and preparing worksheets/reports. They are given individual assignments, which must be submitted on the Moodle course by the specified deadline. They are also required to complete the midterm exam.					
No signature:					
Requirements in case of exam					
System of exams and reports:					
Type of exam: ☐ oral ☐ written ☐ oral and written ☐ other:					
Condition of offered mark and pre-exam:					
Mandatory course book:		László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 2013 Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 2013 Special documents on the Moodle			
Recommended course book:		John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009) Juran, De Feo: Juran's Quality Handbook (6th Edition)			
Quality method of this subject:					
In all matters not covered by this document, the provisions of the Study and Examination Regulations and the Study Regulations of Óbuda University shall apply.					
Date: 2026. 06. 07. Budapest,					
lecturer instructor					