

Obuda University Bánki Donát Faculty of Mechanical and Safety Engineering				Institute of Mechanical Engineering and Technology			
Course title and code:		Quality management BGXMBE5BNE, BAGMB1ANND, Credits: 2 BAGMB1KTNC					
full time	training	2026/2027		academic year	I.	semester	
Faculties in which the subject is taught:				Mechatronics 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: ISO 9000 family. Quality management systems (OH&S, Safety, Energy, Information). Quality audit. P: -					
7.		L: - P: Risk assessment tools.					
8.		L: Statistical process control, capability and stability examinations. Automotive supplier standards, quality costs. P:					
9.		L: - P: Statistical process control in practice.					
10.		L: TQM, self-evaluation. TPS. Lean technology. P: -					
11.		L: Test P: -					
12.		L: - P: -					
13.		L: Replacement of test P: Replacement of practice.					
14.		L: - P. Replacement of practice.					

Requirements in a term					
Number	Test		Task		Laboratory measurement
1	Date		Deadline		Date
	11-13. week	Number	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
80		40	20		10
Laboratory measurement					
maximum overall score		minimum score for completion/measurement			
-		-			-
Maximum overall score in a term:					
Scoring limits	pass from points		satisfactory from points		good from points
	50		60		70
excellent from points					
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: <input type="checkbox"/> oral <input type="checkbox"/> written <input type="checkbox"/> oral and written <input type="checkbox"/> 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					