

Óbuda University Donát Bánki Faculty of Mechanical and Safety Engineering			Institute of Materials and Manufacturing Sciences Department of Manufacturing Technology		
Course title and code: Quality management BGXMBE5BNE, BAGMB1ANND				Credits: 2	
Quality assurance BAGMB1KTNC					
Full-time, 2022/2023 academic year. 1. Semester					
Faculties in which the subject is taught: Donát Bánki Faculty of Mechanical and Safety Engineering					
Lecturer instructor	Gabriella Farkas, PhD			Instructor	Gabriella Farkas, PhD Georgina Nóra Tóth
Prerequisites conditions (code)			-		
Hours per week:	Lecture: 1		Practice: -		Laboratory: 1
Semester closing way: (required)		é – practice mark			
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					
Educational weeks	Lecture			Exercise	
week 1	Introducing the basics of quality. Quality management history, models of quality management.			Quality level assessment. Individual task.	
week 2	-			Quality level assessment. Individual task.	
week 3	Tools and methods in the quality management.			Quality control tools. Individual task.	
week 4	-			Quality control tools. Individual task.	
week 5	Risk management. TQM, self-evaluation.			Risk assessment tools. Individual task.	
week 6	-			Risk assessment tools. Individual task.	
week 7	Statistical process control, capability and stability examinations.			Statistical process control in practice. Individual task.	
week 8	-			Statistical process control in practice. Individual task.	
week 9	ISO 9000 family. Quality management systems (OH&S, Safety, Energy, Information). Quality audit.			Submission of the reports and presentation.	
week 10	-			Submission of the reports and presentation.	
week 11	Automotive supplier standards, quality costs.			HOLIDAY	
week 12	-			HOLIDAY	
week 13	Replacement of the tests.			Replacement.	
week 14	-			Replacement.	
Conditions of getting practice mark:					
<ul style="list-style-type: none">compulsory on the 70 % of the exercise classes. Failure of this means no signature for the fulfilment of the semester. No opportunity to retry.successful exercise reports and presentation (max 40 points)successful tests (on the Moodle for every lecture (6 pc); max 60 points)					
Calculation practice mark: tests (min 30 max 60); reports and presentation (0-40) points					
Results: 0-49: 1 (fail); 50-: 62 (pass); 63-75: 3 (satisfactory); 76-88: 4 (good); 89-100: 5 (excellent)					
Bibliography:					
Course book:					
<ol style="list-style-type: none">László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 2013Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 2013John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)Juran, De Feo: Juran's Quality Handbook (6th Edition)Special documents on the Moodle					
Quality Assurance: using feedback provided by the students for improving content and methods of teaching of the subject.					

Budapest, 21 September 2022

Gabriella Farkas, PhD
Lecturer instructor