

Óbuda University Bánki Donát Mechanical and Safety Engineering Faculty			Institute of Material Science and Technology Department of Manufacturing Technology		
Course title and code: Quality management BGXMBE5BNE, BAGMB1ANND					Credits: 2
Quality assurance BAGMB1ENND, BAGMB15NEC, BAGMB1KTNC					
Full-time, 20120/2021 academic year. 2. Semester					
Faculties in which the subject is taught: Bánki Donát Mechanical and Safety Engineering Faculty					
Lecturer instructor	Gabriella Farkas, PhD		Instructor	Gabriella Farkas, PhD Georgina Nóra Tóth	
Prerequisites conditions (code)			-		
Hours per week:	Lecture: 1	Practise: 1	Laboratory: -	Consultation: -	
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	-			Quality level analysis	
week 2	-			Quality level analysis	
week 3	-			Data collecting and analysis	
week 4	Quality management history, models of quality management, ISO 9000 Family.			Data collecting and analysis	
week 5	-			Quality control tools	
week 6	Quality management systems. OH&S. Risk management.			Quality control tools	
week 7	-			FMEA	
week 8	Quality audit. Quality control tools and methods. Lean management.			FMEA	
week 9	-			Control charts	
week 10	HOLIDAY			HOLIDAY	
week 11	-			HOLIDAY	
week 12	TQM, self-evaluation. Automotive supplier standards, quality costs. Statistical process control, capability and stability examinations.			Control charts	
week 13	Test (on Moodle)			Replacement	
week 14	Replacement (test on Moodle)			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 (until deadline and accepted: 2 points; after deadline and accepted: 0 point; non accepted: no signature).successful test					
Calculation practice mark: test (min 20 max 40) and reports (0-10) points. [0-24=1; 25-31=2; 32-37=3; 38-44=4 45-50=5]					
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)					
Quality Assurance: using feedback provided by the students for improving content and methods of teaching of the subject.					