

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 Quality assurance BAGMB1ENND, BAGMB15NEC, BAGMB1KTNC					Credits: 2
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	-			Data collecting and analysis	
week 2	Quality management history, models of quality management, ISO 9000 Family.			Data collecting and analysis	
week 3	-			Quality level analysis	
week 4	Quality management systems. OH&S. Risk management.			Quality level analysis	
week 5	-			Quality control tools	
week 6	Quality audit. Quality control tools and methods. Lean management.			Quality control tools	
week 7	-			FMEA	
week 8	HOLIDAY			HOLIDAY	
week 9	-			Control charts	
week 10	TQM, self-evaluation. Automotive supplier standards, quality costs. Statistical process control, capability and stability examinations.			FMEA	
week 11	-			HOLIDAY	
week 12	Test.			Control charts	
week 13				Replacement	
week 14	Replacement (test)				
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					
Bibliography:					
Course book: <ul style="list-style-type: none">1. László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 20132. Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 20133. John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)4. 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.					

