

Obuda University Bánki Donát Mechanical and Safety Engineering Faculty			Institute of Material Science and Technology		
Course title and code: Quality technology BAGMB1ENND			Credits:2		
Full-time, 2017/18 academic year. 2. Semester					
Faculties in which the subject is taught: Bánki Donát Mechanical and Safety Engineering Faculty					
Lecturer in-structor	Ágota Drégelyi-Kiss		Instructor	Ágota Drégelyi-Kiss	
Prerequisites conditions (code)		-			
Hours per week:	Lecture: 1	Practise: 1	Laboratory: 0	Consultation: 0	
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 management history, models of quality management, ISO 9000 Family		-		
week 2	-		Data collecting card, histogram		
week 3	Quality audit, 7 old tools, 7 new methods		-		
week 4	-		FMEA		
week 5	HOLIDAY		-		
week 6	-		Pareto analysis, scatter diagram		
week 7	TQM, self-evaluation		-		
week 8	-		Tree, arrow and matrix diagram		
week 9	Automotive supplier standards, quality costs				
week 10	-		HOLIDAY		
week 11	Statistical process control, capability and stability examinations				
week 12	-		Control charts		
week 13	TEST				
week 14			Replacements		
Conditions of getting practice mark: <ul style="list-style-type: none"><li>• compulsory on the 60 % of the exercise classes. Failure of this means no signature for the fulfilment of the semester. No opportunity to retry.</li><li>• successful exercise reports</li><li>• successful test</li></ul>					
Calculation practice mark: Grade (Test 1)					
Bibliography:					
Course book: <ul style="list-style-type: none"><li>1. Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 2013</li><li>2. László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 2013</li><li>3. John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)</li></ul>					
Quality Assurance: using feedback provided by the students for improving content and methods of teaching of the subject.					

Budapest, 04 January 2018

Ágota Drégelyi-Kiss, PhD  
Lecturer instructor