

Óbuda University Bánki Donát Mechanical and Safety Engineering Faculty			Institute of Material Science and Technology Institute of Mechanical Engineering and Safety Technology		
Course title and code: Quality technology BAGMB1KTNC			Credits:2		
Full-time, 2016/17 academic year. 1. Semester					
Faculties in which the subject is taught:					
Lecturer in-structor	Ágota Drégelyi-Kiss		Instructor	Ágota Drégelyi-Kiss, Gabriella Farkas	
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		Kesselring method (FG)		
week 2	-		Kesselring method (FG)		
week 3	Quality audit, 7 old tools, 7 new methods		Data collecting card, histogram (FG)		
week 4	-		Data collecting card, histogram (FG)		
week 5	TQM, self-evaluation		Pareto analysis, scatter diagram (DKA)		
week 6	-		Pareto analysis, scatter diagram (DKA)		
week 7	Test 1.		Tree, arrow and matrix diagram (DKA)		
week 8	-		Tree, arrow and matrix diagram (DKA)		
week 9	Automotive supplier standards, quality costs		FMEA (FG)		
week 10	-		Holiday		
week 11	Statistical process control, capability and stability examinations		FMEA (FG)		
week 12	-		Control charts (DKA)		
week 13	Test 2.		Control charts (DKA)		
week 14	-		Replacements		
Conditions of getting practice mark:					
<ul style="list-style-type: none">compulsory on the 60 % of the exercise classes. Failure of this means no signature for the fulfilment of the semester. No opportunity to retry.two successful tests					
Calculationg practice mark: (Grade (Test 1) + Grade (Test 2))/2					
Bibliography:					
Course book:					
1. Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 2013					
2. László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 2013					
3. John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)					
<i>Quality Assurance:</i> using feedback provided by the students for improving content and methods of teaching of the subject.					

Budapest, 2016. augusztus 30.

Ágota Drégelyi-Kiss, PhD
Lecturer instructor