

Óbuda University Bánki Donát Mechanical and Safety Engineering Faculty		Institute of Material Science and Technology		
Course title and code: Quality technology BAGMB1KTNC		Credits:2		
Full-time, 2017/18 academic year. 1. 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	-		-	
week 3	Quality audit, 7 old tools, 7 new methods		-	
week 4	-		Data collecting card, histogram	
week 5	TQM, self-evaluation		-	
week 6	-		Pareto analysis, scatter diagram	
week 7	Automotive supplier standards, quality costs		-	
week 8	-		Tree, arrow and matrix diagram	
week 9	Statistical process control, capability and stability examinations			
week 10	-		FMEA	
week 11	Holiday			
week 12	-		Control charts	
week 13	TEST			
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. • successful exercise reports • successful test 				
Calculation practice mark: Grade (Test 1)				
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, 01 September, 2017

Ágota Drégelyi-Kiss, PhD
Lecturer instructor