

Óbuda University Bánki Donát Mechanical and Safety Engineering Faculty			Institute of Material Science and Technology Department of Manufacturing Technology		
Course title and code: Quality technology (BAGMB15NEC, BAGMB1ENND, BAGMB1KTNC)					Credits: 2
Full-time, 2018/19 academic year, 1. Semester					
Faculties in which the subject is taught: Bánki Donát Mechanical and Safety Engineering Faculty					
Lecturer instructor	Ágota Drégelyi-Kiss		Instructor	Gabriella Farkas Georgina Nóra Tóth	
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 management systems				
week 4			Patero analisys; scatter diagram		
week 5	Quality audit, 7 old tools, 7 new methods				
week 6			Tree, arrow and matrix diagram		
week 7	TQM, self-evaluation Automotive supplier standards, quality costs				
week 8			Holiday		
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 lecture classes, at least 24 hours, i.e. 6 occasions. 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)					
Bibliography:					
Course book:					
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)					
Quality Assurance: using feedback provided by the students for improving content and methods of teaching of the subject.					