

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					Credits: 2
Quality assurance BAGMB1ENND, BAGMB15NEC, BAGMB1KTNC					
Full-time, 2019/2020 academic year. 1. 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	Quality management history, models of quality management, ISO 9000 Family.			Data collecting card, histogram	
week 2	-			Data collecting card, histogram	
week 3	Quality management systems. OH&S. Risk management.			Quality level analysis	
week 4	-			Quality level analysis	
week 5	Quality audit. 7 old tools, 7 new methods. Lean.			Pareto analysis, scatter diagram, tree diagram	
week 6				Pareto analysis, scatter diagram, tree diagram	
week 7	TQM, self-evaluation. Automotive supplier standards, quality costs.			HOLIDAY	
week 8	-			FMEA	
week 9	Statistical process control, capability and stability examinations.			FMEA	
week 10	-			HOLIDAY	
week 11	HOLIDAY			HOLIDAY	
week 12	-			Control charts	
week 13	TEST			Control charts	
week 14	-			Replacement (TEST or exercise)	
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 reportssuccessful test					
Calculation practice mark: Grade (Test 1)					
Bibliography:					
Course book:					
<ol style="list-style-type: none">Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 2013László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 2013John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)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.					

Budapest, 11 September 2019

Gabriella Farkas, PhD
Lecturer instructor