

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 Quality assurance BAGMB1ENND, BAGMB15NEC, BAGMB1KTNC			Credits: 2
Full-time, 2019/2020 academic year. 2. 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	-		Data collecting card, histogram
week 2	Quality management history, models of quality management, ISO 9000 Family.		Data collecting card, histogram
week 3	-		Quality level analysis
week 4	Quality management systems. OH&S. Risk management.		Quality level analysis
week 5	-		Pareto analysis, scatter diagram, tree diagram
week 6	Quality audit. 7 old tools, 7 new methods. Lean.		Pareto analysis, scatter diagram, tree diagram
week 7	-		FMEA
week 8	TQM, self-evaluation. Automotive supplier standards, quality costs.		FMEA
week 9	-		
week 10	Statistical process control, capability and stability examinations.		HOLIDAY
week 11	-		HOLIDAY
week 12	Test.		Control charts
week 13			Control charts
week 14	Replacement		Replacement.
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: <ul style="list-style-type: none">1. Thomas Pyzdek and Paul Keller: The Handbook for Quality Management, Second Edition; A Complete Guide to Operational Excellence; 20132. László Berényi: Fundamentals of quality management, Lambert Academic Publishing, 20133. John Beckford: Quality: A Critical Introduction, Third Edition; Routledge; 3rd edition (October 29, 2009)4. 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, 06 February 2020

Gabriella Farkas, PhD
Lecturer instructor