

Module	Quality Management	
Semester	WPF	
Duration	1 Semester	
Method of Examination	Wahlpflichtfach	
ECTS	5	
Student's Workload	60 h compulsory attendance + 90 h self-study	
Entry Requirements (MPO)		
Recommended Requirements		
Applicability	MaTMeng	
Type/Duration of Assessment	written exam 2h or oral examination or project or report	
Teaching Method	seminar form lectures, presentations and papers (acquired by the students according to given conditions), occasionally role plays according to the topic of QM.	
Module Coordinator	W. Kiehl	
Aims and Objectives	Understanding the importance of Quality Management; Estimating the potential of QM-oriented approaches; Understanding of QM philosophies and QM dominated thinking; Becoming acquainted with QM methods and QM tools; Practice in team-oriented methods; Deepening of comprehensive thinking; Stabilization of structured, documented work approaches; Strengthening of customer-oriented work approach;	
Course content	Introduction; Development and History of QM; QM philosophies; ISO 9000 and extended Approaches; QM Tools and Methods in R&D and Production; Problem solving Tools; Improvement Methods; Management Tools	
Literature	Gryna, F.M.: Juran's quality planning & analysis Boston (MA): McGraw-Hill, 2007 Masing, W.: Handbuch des Qualitätsmanagements - 6. Auflage München: Hanser, 2014 Linß, G.: Qualitätsmanagement für Ingenieure - 3. Auflage, München: Fachbuchverlag Leipzig in Hanser, 2011	
Courses		
Lecturer	Course Title	SPPW
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