

Study program: Industrial Engineering – Mechanical Engineering			
Course title: Quality Management			
Professor/assistant: Rajković D. Dragan			
Type of course: Elective			
ECTS credits: 6			
Prerequisites: Knowledge of the basic terms of standardization			
Aims of the course: The students get familiar with the concepts and terminology of quality management; they understand the structure, model and role of QMS in the organizational system. The students acquire knowledge necessary for design, development and improvement of partial and integrated management systems.			
Learning outcomes: The students apply methods of quality management and integrated system management, design solutions to meet the demands of QMS, make the necessary documents for implementation, participate in maintenance, auditing and improvement of standardized systems.			
Syllabus: <i>Theoretical part:</i> Principles and terminology of quality management. A structure of the series of standards ISO 9000; QMS – ISO 9001: Requirements; Implementation of QMS; Production of documented information; Internal audit; Certification; Integration of standardized systems; QMS and integration with EMS, OHSAS, ISMS, EnMS; The basics of TQM. <i>Practical part:</i> Auditory exercises – Elaboration of standard requirements and solution for practical cases, instructions for production. Students independently prepare term papers from the QMS field.			
Literature: 1. Filipović J., Đurić M., Sistem menadžmenta kvalitetom, FON, Beograd, 2010. 2. Šofranac R., Rajković., Rajković D., Implementacija IMS-a u poslovnim sistemima složene strukture, Podgorica, 2015. 3. Standard SRPS ISO 9001:20015, ISS, Beograd, 2015			
Total number of active classes: 75		Lectures: 45	Practical classes: 30
Teaching methods: Lectures: interactive approach; Exercises: solving tasks, making presentations, preparation of term papers, analysis of specific problem solutions, consulting.			
Grading system (maximum 100 points) grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.			
Pre-exam obligations:	Points:	Final exam:	Points:
Activity during lectures	max 5	Oral exam	50
Practical training	max 5		
Written test(s)	max 20		
Term papers	max 20		
Minimum requirement for the final exam	30		