

Study program: Road Traffic Engineering			
Course title: System Quality and Standardization			
Professor/assistant: Dragan Rajković, Vladimir Nedić			
Type of course: Elective			
ECTS credits: 6			
Prerequisites: none			
The course is selected by a student depending on his interests and the topic covered by the master's thesis.			
Aims of the course:			
Students understand concepts and terminology of the system quality, structure, model, and the role of standardization in transport companies. The student is qualified to design, implement and develop/improve partial and integrated standardized systems.			
Learning outcomes:			
Students apply methods of quality management and integrated system management, design solutions in accordance with the requirements of standards, make the necessary documents for implementation, participate in maintenance, auditing and improvement of standardized systems.			
Syllabus:			
<i>Theoretical part:</i>			
Standardization and standards; Principles and terminology of quality management; The structure of the series of standards ISO 9000; QMS – ISO 9001: Requirements and procedures of implementing; The management of transport processes; Integration of standardized systems; QMS and integration with EMS, OHSAS, ISMS. Specific standards in traffic: Road safety management (ISO 39001), The system of assurance in the supply chain (ISO 28000); The quality of service in the urban public transport (EH 13816); Methods and techniques of quality assurance; Models of excellence.			
<i>Practical part:</i>			
Auditory exercises – standard's requirements, solving practical tasks, instructions. Students independently write term papers in the field of system quality.			
Literature:			
<ol style="list-style-type: none"> 1. Filipović J., Đurić M., Sistem menadžmenta kvalitetom, FON, Beograd 2010. 2. Šofranac R., Rajković D., Implementacija IMS-a u poslovnim sistemima složene strukture, Podgorica, 2015. 3. Mijatović I., Standardizacija, FON, Beograd, 2013. 4. Standard SRPS ISO 9001:20015, ISS, Beograd, 2015. 			
Total number of active classes: 5		Lectures: 3	Practical classes: 2
Teaching methods:			
Lectures: interactive approach;			
Practical training: solving tasks, term papers, finding solutions to specific problems, professional visits to firms with ISO certificates; consultation.			
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		