

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Safety and Quality Management in Telematics					
Head of course	PhD Sabrina Šuman, Senior Lecturer					
Study programme	Professional undergraduate study Telematics					
Status of a course	Elective					
Year of study	2.	Semester	IV	ECTS credits	5	
Teaching plan (L + E + S+ Pr)	2+2+0+0					
Goals of a course						
Adopt basic terminology of quality and safety in telematics systems and apply methods and tools for quality management.						
Conditions for enrolling course						
No conditions						
Learning outcomes on a level of a study programme which includes course						
Outcome 6: Design and implement desktop, web and mobile computer applications and computer programs for microcomputers and microcontrollers, with or without a database. Outcome 8: Design and implement communications and computer networks, as well as network services. Outcome 10: Analyse and implement an information system in the field of telematics.						
Expected learning outcomes on a level of a course						
<ol style="list-style-type: none"> 1. Understand the principles of complete quality in general and in business operations 2. Explain the meaning of the telematics system quality constituents 3. Suggest and discuss quality standards relevant to a particular telematics system part 4. Apply quality management methods and tools 5. Create a risk assessment model for a telematics system 						
Content of a course						
Concept and meaning of quality. Quality management as a precondition of success in business. Historical development of quality management. TQM. IS quality assessment – the value of information in a business system. Application of quality standards in the development of information systems. Need for the information system analysis and revision. Assessment of ISO 9001 standards in informatics						
Teaching modes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____			
Comments						
Students' obligations						
Grading, evaluation and monitoring of students' work continuously during lectures and exams						
Grading is based upon evaluation of course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.						
Continuous check-up:						
	Outcomes	Pre-exam I	Pre-exam 2	Activity	Threshold	Max
	Outcome 1	10 %		10%	10%	20 %
	Outcome 2	20 %			10%	20 %
	Outcome 3	10 %		10%	10%	20 %

Outcome 4		20%		10%	20 %
Outcome 5		20%		10%	20 %
Percentage of ECTS	2	2	1	-	-
Total	40 %	40 %	20%	50 %	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

Exam term:

Outcomes	Written exam	Practical assignments	Threshold	Max
Outcome 1	10 %	10%	10%	20 %
Outcome 2	20 %		10%	20 %
Outcome 3	10 %	10%	10%	20 %
Outcome 4		20%	10%	20 %
Outcome 5		20%	10%	20 %
Percentage of ECTS	2	3	-	-
Total	40 %	60 %	50 %	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

Grading:

A student has passed the exam if he has acquired at least 50% of anticipated credits of a specific learning outcome.

If a student has passed learning outcomes of all courses, the accomplished credits (percentages) of all passed learning outcomes are being added, while the final grade is defined upon following table:

Range of credits (percentages)	Numerical grade	ECTS grade
90,00 – 100,00	Excellent (5)	A
75,00 – 89,99	Very good (4)	B
60,00 – 74,99	Good (3)	C
50,00 – 59,99	Sufficient (2)	D
0,00 – 49,99	Insufficient (1)	F

Obligatory literature

1. Kondić, Živko, Kvaliteta i metode poboljšanja, Varaždin : vlast. nakl., 2004. (Čakovec : "Zrinski")

Additional literature

1. Juran, Joseph M., Planiranje i analiza kvalitete: od razvoja proizvoda do upotrebe ,3. izd. pripremio Frank M. Gryna, Zagreb, Mate, 1999.

