

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Road Transport Safety System				
Head of course	PhD Ivica Barišić, College Professor				
Study programme	Specialist professional graduate study Transport				
Status of a course	Obligatory				
Year of study	2.	Semester	III	ECTS credits	7
Teaching plan (L + E + S+ Pr)	2+0+2+0				
Goals of a course					
Developing awareness of the possibilities and steps needed to achieve a safer traffic situation. Analyze the application of standard and non-standard traffic signaling as a function of safety prevention. Insights into traffic accident analysis and the provision of hazardous locations solutions preventively and consequently.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 2: Apply international, European and national legislation in the implementation of technological and service processes in the field of road transport. Outcome 4: Offer solutions for transport system planning based on sustainable development principles. Outcome 5: Manage and lead road transport development activities. Outcome 7: Select information technology and software to address specific transport system problems. Outcome 8: Plan road infrastructure solutions based on traffic research results. Outcome 11: Design and conduct training of entities in the area of road safety with an emphasis on prevention in traffic. Outcome 13: Manage communication and collaboration processes in different social groups in the field of transport.					
Expected learning outcomes on a level of a course					
1. Analyse the state of road transport safety in the Republic of Croatia and evaluate the impact of individual factors 2. Identify dangerous places on the roads and preventively and consequently propose appropriate measures 3. Develop transport solutions to improve transport safety by applying standard and non-standard transport signalization and equipment 4. Explain methods for monitoring, evaluation and analysis of traffic accidents. 5. Select safety elements when planning and designing road infrastructure elements 6. Recommend measures to improve road transport safety 7. Apply the basic rules in the traffic accident expert assessment procedure					
Content of a course					
Road transport safety in the United Nations countries and in the Republic of Croatia. Trends in number of traffic accidents. Traffic accidents – causes and incident factor. Traffic demands safety. Level of motorization, population and mobility. Goods transport safety. Transport supply safety. Law on Traffic Safety on the Roads and safety in conformity with legal legislation. Transport infrastructure. Safety elements in traffic routes and intersections architectural shaping. Standard, light and dynamic traffic signalization and equipment. Possibilities of improvement of state of safety. Education and prevention. Necessary amendments to legal legislation, accompanying regulations and standardisation. Identification of dangerous spots by drivers. Nonstandard signalization, equipment and marking of possibly dangerous spots on traffic routes.					
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					
Fulfil obligations in accordance with the Rules of Study and Rules on the assessment of students.					
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	Project assignment	Threshold	Max
Outcome 1	10%			5%	10%
Outcome 2	10%			5%	10%
Outcome 3	15%		15%	15%	30%
Outcome 4		10%		5%	10%
Outcome 5		10%	10%	10%	20%
Outcome 6		10%		5%	10%
Outcome 7		10%		5%	10%
Percentage of ECTS	2,45	2,8	1,75		
Total	35%	40%	25%	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	Oral exam	Max		
Outcome 1	5%	5%	10%		
Outcome 2	5%	5%	10%		
Outcome 3	20%	10%	30%		
Outcome 4	5%	5%	10%		
Outcome 5	15%	5%	20%		
Outcome 6	5%	5%	10%		
Outcome 7	5%	5%	10%		
Percentage of ECTS	4,2	2,8			
Total	60%	40%	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.	Lecture Notes Road Traffic Safety System, prepared by: dr.sc. Ivica Barišić - lecture part - working material
2.	Cerovac, V.: Tehnika i sigurnost prometa, Sveučilište u Zagrebu, Fakultet prometnih znanosti, Zagreb, 2001. (poglavlja: 3, 4, 19)
Additional literature	
1.	Maletin, M.: Planiranje i projektovanje saobraćajnica u gradovima, Orion art, Beograd, 2005. (poglavlje 6.1. Umirenje saobraćaja)
2.	Tollazzi, T., Blejec, G.: Mjere za smirivanje prometa u urbanim sredinama, Suvremeni promet, god. 23. (2003) 1-2 (28-32)
3.	Zakon o sigurnosti prometa na cestama ("Narodne novine", br. 105/04)
4.	NOVI PRISTUP SIGURNOSTI U PROMETU, BROŠURA, Zaklada Sveučilišta u Rijeci, Rijeka, svibanj, 2009.
5.	Rotim, F., Peran, Z.: FORENZIKA PROMETNIH NESREĆA, HZDP, . Zagreb 2011. (odabrana poglavlja)
6.	Other lecture materials

