

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Planning and Managing Sustainable Transport				
Head of course	Damir Pilepić, Lecturer				
Study programme	Professional undergraduate study Road Transport				
Status of a course	Obligatory				
Year of study	2.	Semester	IV	ECTS credits	4
Teaching plan (L + E + S+ Pr)	2+0+2+0				
Goals of a course					
Familiarity with the problem of interactions between traffic development and city development and with the planning of the city transport system. Familiarity with the organization and management of traffic in cities, as well as programs and measures to create better quality traffic in the city.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 2: Apply legislation in the field of road/ railroad transport. Outcome 3: Use standards that cover the subject area when designing transport projects and implementing technological and service processes in the field of road/ railroad transport. Outcome 4: Analyse and evaluate the economic aspect in the traffic engineering practice. Outcome 6: Distinguish between entities and their powers in the field of road/ railroad transport. Outcome 8: Recommend effective solutions for road transport system planning based on sustainable development principles. Outcome 11: Select appropriate information technology and software to address specific road/ railroad transport problems. Outcome 14: Independently present professional content on oral, written and graphical basis using the usual tools in Croatian and/or foreign language.					
Expected learning outcomes on a level of a course					
1. Describe the relationship and problem of the interaction between transport development and city development in the context of sustainable transport system management 2. Explain contemporary concepts and principles of urban transport planning and management 3. Evaluate the role and importance of public urban transport, stationary and non-motorized transport in the concept of sustainable urban transport system planning. 4. Evaluate programs and measures to create better quality transport in a city 5. Research and present a selected topic from the field of sustainable transport					
Content of a course					
Basic terms, definition and vision of sustainable development. Sustainable transport planning in the context of sustainable development. Interaction between town and transport development. Planning and managing town transport system with the aim od sustainable town development.Transport strategy development in towns. Sustainable mobility plans in towns. Managing transport in towns. Managing stationary transport in towns. Organization and the management of public passenger transport. Managing taxi transport. Including railway into public passenger transport. Ecological aspects of railway transport development. Long-distance passenger transport. Long-distance passenger transport terminals: bus, railway, maritime, air. Integrated land-maritime long-distance passenger terminals. Special transport categories: cycling and pedestrian transport. People with developmental disabilities and invalidity in transport. Programs and measures for creating higher quality transport in town. Planning transport in smaller urban areas. Integral public road passenger transport in low-population density areas. Socio-economic aspects of sustainable transport planning. Transport and pedestrian integration - shared street space. Ecological aspects of sustainable transport planning.					
Teaching modes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network		

	<input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes	<input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____
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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	Seminar work	Assignment s in class	Threshold	Max
Outcome 1	20%				10%	20%
Outcome 2	20%				10%	20%
Outcome 3		22%		6%	14%	28%
Outcome 4		20%			10%	20%
Outcome 5			12%		6%	12%
Percentage of ECTS	1,6	1,68	0,48	0,24		
Total	40%	42%	12%	6%	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	10%	10%	20%
Outcome 2	10%	10%	20%
Outcome 3	14%	14%	28%
Outcome 4	10%	10%	20%
Outcome 5	6%	6%	12%
Percentage of ECTS	2	2	
Total	50%	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. Lecture notes, prepared by: dr.sc. Ivica Barisic, Rijeka, 2014 -work material
Additional literature
<ol style="list-style-type: none"> 1. Bauer, Zvonimir: Razvoj i planiranje prometa u gradovima, Informator, Zagreb, 1989. (odabrana poglavlja) 2. Vasilj, A./Činčurak B.: Interakcija razvitka prometa i razvoja grada, članak, XVI International Scientific Symposium on Transport Systems 2009, Zagreb, HZDP , 2009. 85-90. 3. Sapunar, J., Steiner, S., Golubić, J.: Prometna politika u funkciji održivog razvoja, Izvornik: Zbornik znanstvenog skupa HAZU, Zagreb, 2007, 39-48 4. Journal articles

