

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Transport and Sustainable Development				
Head of course	PhD Ivica Barišić, College Professor				
Study programme	Specialist professional graduate study Transport				
Status of a course	Obligatory				
Year of study	1.	Semester	II	ECTS credits	4
Teaching plan (L + E + S+ Pr)	2+0+1+0				
Goals of a course					
To acquaint students with the important aspects of the very complex impacts between transport, transport infrastructure, space and environmental impacts and develop in them the ability to evaluate different starting points and arguments in an integrated decision-making process in a more objective manner, in accordance with the principles of sustainable development.					
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 13: Manage communication and collaboration processes in different social groups in the field of transport.					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Describe the terminology and legislation in the field of transport and sustainable development 2. Distinguish types and features of spatial planning, transport and environmental documentation, and determine the coordinators of their design and implementation. 3. Evaluate the characteristics of the main negative impacts of transport on the environment and protection measures 4. Recommend programs and measures to create sustainable mobility in cities, towns and cities and low population areas 5. Research and present a selected topic from the field of transport and sustainable development 					
Content of a course					
<p>Plans, programs, strategic documents regarding transport, space, influence on the environment and sustainable development: features, types, component parts, methodology of making, passing and implementation.</p> <p>Laws, regulations (conventions), institutions (organizations), participation of the public and other entities in process of designing and application of plans and other important documents: levels of local districts, regions, state, international levels – particularly the European Union.</p> <p>Elaboration of particular chapters, i. e. thematic fields regarding transport and sustainable development and space: transport infrastructure, i.e. designing of traffic networks, - instruments of policy of development and planning of traffic and space, taking into consideration the principles of a sustainable development, - examples of evaluation of the influence of traffic and transport infrastructure on the environment, - sustainable development indicators system, -application of multicriteria analysis, Delphy and other methods</p>					
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	Seminar work	Threshold	Max
Outcome 1	20%			10%	20%
Outcome 2	20%			10%	20%
Outcome 3		20%		10%	20%
Outcome 4		25%		12,5%	25%
Outcome 5			15%	7,5%	15%
Percentage of ECTS	2,0	2,25	0,75		
Total	40%	45%	15%	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	10%	10%	20%
Outcome 4	15%	10%	25%
Outcome 5	10%	5%	15%
Percentage of ECTS	2,75	2,25	
Total	55%	45%	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. Teaching materials from the lecture Traffic and sustainable development - materials and lecture notes - working material, prepared by: dr.sc. Ivica Barišić
2. BIJELA KNJIGA - Plan za jedinstveni europski prometni prostor – Put prema konkurentnom prometnom sustavu unutar kojeg se učinkovito gospodari resursima, Bruxelles, 28. 3. 2011.

Additional literature

1. Europska politika održivog transporta, Kristina Kosor, centar za razvoj javnog i neprofitnog sektora, TIM4PIN

2. Sapunar, J., Steiner, S., Golubić, J.: Prometna politika u funkciji održivog razvoja, Izvornik: Zbornik znanstvenog skupa HAZU, Zagreb, 2007, 39-48
3. Dokumenti, zakoni i propisi u svezi prometa i održivog razvoja.

