

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Planning and Programming in Transport				
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	6
Teaching plan (L + E + S+ Pr)	2+0+2+0				
Goals of a course					
Familiarity with the basic features of traffic planning, as a separate discipline in the overall planning process, and the application of the results of traffic planning in the transport system.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 1: Apply traffic models and methods when designing a traffic plan. Outcome 4: Offer solutions for transport system planning based on sustainable development principles. Outcome 7: Select information technology and software to address specific transport system problems. 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 basic parameters in the forecast of transport demand and the formation of an optimal transport model in the transport planning phase 2. Explain the methodology of transport planning 3. Propose methods in the process of forecasting transport demand in an urban area 4. Select a simulation model and program for transport planning when creating a transport plan 5. Research and present a selected topic from the field of transport planning 					
Content of a course					
Forecast of traffic demand in city area according to sequential aggregate models. Creation and evaluation of transportation plan. The politics of plan's execution and making decision upon plan. Inclusion of public and ethics. Application of simulations in transportation. Macroscopic microscopic models. Application of simulation models in development of transportation analysis. Transportation models and transportation forecast in development of spatial-transportation studies.					
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					
Fulfill 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		25%		12,5%	25%
Outcome 4		20%		10%	20%
Outcome 5			15%	7,5%	15%
Percentage of ECTS	2,4	2,7	0,9		
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	3,3	2,7	
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. Padjen, J.: OSNOVE PROMETNOG PLANIRANJA, Informator, Zagreb, 1986. odabrana poglavlja:
2. Metodološka osnova prometnog planiranja – str. 1 - 40
3. Prostorno-prometno planiranje – str. 103 – 288.
4. Cvitanić, Dražen: PROMETNA TEHNIKA, Predavanja na Sveučilišnom diplomskom studiju, Građevinsko-arhitektonski fakultet Split, odabrana poglavlja: 1. Prometno planiranje - str. 1 – 47.
5. Bublin, M.: PLANIRANJE SAOBRAĆAJA I SAOBRAĆAJNICA, Građevinski fakultet Univerziteta u Sarajevu, Sarajevo, 2007., Odabrana poglavlja
6. 2011. , izabrana poglavlja

Additional literature

1. Teaching materials from lectures.
2. Documents, laws and regulations regarding traffic planning.

