

Study program: Road Traffic Engineering				
Course title: Introduction to Traffic and Transport				
Professor/assistant: Vlatko Vuković				
Type of course: Compulsory				
ECTS credits: 4				
Prerequisites: None				
Aims of the course: Acquiring basic knowledge of traffic and transportation. Acquisition of knowledge about basic concepts and characteristics of traffic and transport, and possible development of traffic and transportation systems.				
Learning outcomes: Training students to: <ul style="list-style-type: none"> – Define the concept, general and specific characteristics of traffic production and services; – Describe the history of traffic and analyze its causes and development; – Define and explain the basic traffic, geographical, exploitation and technical characteristics of different means of traffic, and their place in the traffic system; – Differentiate between new concepts in traffic and transport; – Compare different means of transport and do comparative analysis of performance; – Describe and explain the relation between traffic and the environment. 				
Syllabus: <i>Theoretical Classes</i> <ul style="list-style-type: none"> – The concept and specifics of traffic and transport; – Beginnings and development of traffic – characteristics of certain historical periods; – Transport services; – The importance of traffic in the economy and society; – Multidisciplinarity of traffic and transport; – Traffic system and subsystems: concept and dimensions; – Characteristics/performance of certain means of traffic and transport; – New concepts in traffic and transport; – Transport, traffic and the environment: sustainable transport. <i>Practical Classes:</i> Practical training, presentations, term papers.				
Literature: <ol style="list-style-type: none"> 1. M. Adamović, “Uvod u saobraćaj”, Saobraćajni fakultet, Beograd, 2003; 2. Pejčić-Tarle S., “Saobraćajna ekonomika i politika”, Saobraćajni fakultet, Beograd, 2005. 				
Number of active classes: 60		Lectures: 30	Practical classes: 30	
Teaching methods: Lectures, video presentations, simulations of work of mechanical elements and systems, display of a construction, display of calculations, solving tasks, graphic design, consultations.				
Grading system (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.				
Pre-exam obligations:		Points:	Final exam:	Points:
Activity during theoretical lectures		max 5	Written exam	50
Practical training		max 5		
Written test(s)		max 20		
Term papers		max 20		
Minimum requirement for the final exam		30		