

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Intelligent transportation systems			
2.	Code	162			
3.	Study group(s)	MV			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje			
5.	Level (first, second, third)	First			
6.	Academic year / semester	summer	7.	Number of ECTS credits	6
8.	Instructor	Ass. prof. d-r Aleksandar Kostikj			
9.	Prerequisites	None			
10.	Course objectives (competences): Extending the knowledge for the basic needs for ITS implementation in vehicles and infrastructure. Getting competences for ITS analyses and design.				
11.	Course content: Introduction to intelligent transportation systems. Intelligent infrastructure. Traffic flow monitoring. Intelligent vehicles. V2V (vehicle to vehicle) and V2I (vehicle to infrastructure) communication.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning.				
13.	Total hours	6 ECTS x 30 classes = 180 classes			
14.	Hours allocation per activity:	30 + 30 + 50 + 0 + 70 = 180 classes			
15.	Lectures/Lab	15.1.	Teaching lectures	30 classes	
		15.2.	Practice, seminars, team work	30 classes	
16.	Project Work/Assignments	16.1.	Project assignments	50 classes	
		16.2.	Selfrunning assignments	0 classes	
		16.3.	Home studying	70 classes	
17.	Points/Marks:				
	17.1.	Tests			70 points
	17.2.	Projects			20 points
	17.3.	Attendance			10 points
18.	Grading scale	Under 50		5 (five) (F)	
		51 - 60 points		6 (six) (E)	
		61 - 70 points		7 (seven) (D)	
		71 - 80 points		8 (eight) (C)	
		81 - 90 points		9 (nine) (B)	
	91 - 100 points		10 (ten) (A)		
19.	Prerequisites for taking the final exam	Accomplished activities: 15.1, 15.2 and 16.1.			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Questionnaires and other forms of continuous evaluation			

22.	Textbooks				
22.1.	Instruction materials				
	No.	Author	Title	Publisher	Year
	1.	Milan Kjosevski Aleksandar Kostikj	Internal script		2012
	2.				
22.2.	Supplemental Instruction Materials				
	3.				

		No.	Author	Title	Publisher	Year
		1.	Rajamani Rajesh	Vehicle dynamics and control	Springer	2006
		2.	Ljubo Vlastic, Michel Parent and Fumio Harashima	Intelligent vehicle technologies: theory and applications	Butterworth-Heinemann	2001
		3.	Li Li, Fei-Yue Wang	Advanced Motion Control and Sensing for Intelligent Vehicles	Springer	2007