1.	Course Title	Introduction to Stochastic Processes				
2.	Code	F18L2	F18L2S090			
3.	Study program	Softwa	re engineering and inform	ation systems		
4.	Study Program Organizer	Faculty	Faculty of Computer Science and Engineering			
5.	Degree (first, second, third cycle)	first cycle				
6.	Academic year / semester 2 / summer / optional	7. ECTS credits 6				
8.	Teacher	full professor Verica Bakeva				
9.	Course enrollment prerequisites	Веројатност и статистика или Основи на теорија на информации				
10.	Course program goals (competencie Students will be able for modelling		astic processes in real situa	ations.		
11.	Course program content: Stochastic processes: definition, chaprocesses. Markov chain. Branching systems. Brownian motion (Winner	g process	ses. Poisson process. Ma	-		
12.	Learning methods: Lectures using presentations, interpackages), teamwork, case studies defense of a project assignment and	s, invited	l guest lecturers, indepen			
13.	Total available time		6 ECTS x 30 hours = 180 hours			
14.	Distribution of the available time		30 + 30 + 15 + 25 + 80 =	180 hours		
15.	Teaching activity forms	15.2. E	eaching	al 30 hours ry, 30 hours rs,		
16.	Other activity forms		roject Tasks	1.5 la assera		
				15 hours		
		16.2. In	ndependent Learning Task			

17.	Assessment methodology									
	17.1. Tests						0 points			
	17.2.	Semin	ar paj	per/proje	ct (presentation	: written and oral)	10 points			
	17.3.	Activi	ty and	d learning	g		0 points			
	17.4.	Final	exam				90 points			
18.	Assessment criteria (points/grade)					up to 50 points	5 (five) (F)			
				•	,	1	6 (six) (E)			
						61 to 70 points	7 (seven) (D)			
						71 to 80 points	8 (eight) (C)			
					81 to 90 points	9 (nine) (B)				
						91 to 100 points	10 (ten) (A)			
	9. Course completion and final exam Realized activities 15.1 and 15.2 requirements									
20.	D. Teaching Language Macedonian and				Macedonian and English					
21.	Teaching quality evaluation method			evaluati	on method	Internal evaluation mechanisms and questionnaires				
22.	Cour	se Ma	terial							
	22.1. Mandatory course material									
		No Author Title			Publisher		Year			
				An Introduction	on to Stochastic Modeling	Academic P	ress	1998		
		2 Верица Случајни про Бакева, Магдалена Георгиева			, J , 1	цеси	интерна скрипта		0	
	22.2.	Additional course material								
	No. Author					Publisher Yea				