1.	Course Title	Research methodology in ICT					
2.	Code	F18L3W126					
3.	Study program	Software engineering and information systems					
4.	Study Program Organizer	Faculty of Computer Science and Engineering					
5.	Degree (first, second, third cycle)	first cycle					
6.	Academic year / semester 4 / winter / mandatory	7. ECTS credits 6					
8.	Teacher	Ph.D. Andreja Naumoski, full professor Ljupch Kocarev					
9.	Course enrollment prerequisites	освоени минимум 150 кредити					
10.	methodologies in ICT. Upon comp	dents to become familiar with the basics of research oletion of the course, candidates will have a deeper ologies, can conceive and conduct scientific research,					
11.	be explored. Second phase - plann research. Basic concepts in co information. Modern trends in com	dology. Phases in the research. First phase - planning to ing the research. Third phase - implementation of the mputer science: computing, complexity, systems, puter - networks, connectivity, open data, related data, icial intelligence. Conclusion - ICT technologies					
12.		ctive lectures, exercises (using equipment and software invited guest lecturers, independent preparation and seminar work.					
13.	Total available time	6 ECTS x 30 hours = 180 hours					
14.	Distribution of the available time	30 + 45 + 15 + 15 + 75 = 180 hours					
15.	Teaching activity forms	15.1. Lectures – theoretical 30 hours teaching					
		15.2. Exercises (laboratory, 45 hours auditory), seminar papers, teamwork					
16.	Other activity forms	16.1. Project Tasks 15 hours					

					16.2.	Independer Tasks	nt Lea	rning	15 hou	rs .	
					16.3.	Home learn	ning		75 hour	rs.	
17.			netho	dology	!	ļ					
	17.1.	Tests					10 points				
	17.2. \$	2. Seminar paper/project (presentation: written and oral)						10 p	10 points		
	17.3.	3. Activity and learning						10 points			
	17.4. Final exam						70 points				
18.	Assessment criteria (points/grade)				´ —	p to 50 poin		5 (five) (F)			
					_	1 to 60 poin		$\overline{}$	x) (E)		
					_	1 to 70 poin		_	$\frac{\text{ven}}{\text{cht}}$ (C)		
					_	1 to 80 poin 1 to 90 poin			ght) (C) ne) (B)		
						1 to 100 poin			en) (A)		
19.	Course	con	nleti	on and fina		Realized acti					
1).	require		1	on and ma	1 CAUIII 1	Canzea acti	VILLOS 15.1 (una i	5.2		
20.		ing Language Macedonian and English									
21.		ting quality evaluation method Internal evaluation mechanisms questionnaires						isms and			
22.	Course	Mate	rial								
	22.1.	Mand	latory	course materia	al						
		No	Aut		Title		Publisher		Year		
		1	Ran	jit Kumar	Researc Method		SAGE Publications		2011		
		2	Luciano Floridi		The Guide Philoso Compu						
	22.2.	Addit	ional	course materia	ıl						
		No.		Author		Title		Publ	isher	Year	