1.	Course Title	Comput	ter Components
2.	Code	F18L1	S116
3.	Study program	Softwa	re engineering and information systems
4.	Study Program Organizer	Faculty	of Computer Science and Engineering
5.	Degree (first, second, third cycle)	first cy	cle
6.	Academic year / semester 1 / summer / optional	7. ECTS	S credits
8.	Teacher	Ph.D. Mitresk	Andreja Naumoski, full professor Kosta i
9.	Course enrollment prerequisites		
10.	the way of work, http://www.eecs.harvard.edu/cs141/Shttp://www.doc.ic.ac.uk/~dfg/hardwa/Department of http://www.dejazzer.com/coen4710/d/University, Dept. of	chara chara Site/Homare/hardw loc/COE	Computing, UK N4710_syllabus_2017.pdf, Marquette
11.	Families on processors and motherborenclosures. Internal input / output g Mass storage media. Computer perip scanners, digital cameras, modems, e working principles of popular so unmanaged and managed devices. C	pards. Chagates: conherals: petc. Basicoftware onnectiv	systems. Components of computer systems. hipset and trunk. Memory, input / output ports, ntrollers, serial ports, parallel ports, adapters. ointing devices, keyboards, monitors, printers, a modes of use of software and software tools, tools. Network devices. Characteristics of ity on various network devices. Installing and ag external devices and installation of drivers
12.	,	invited	ures, exercises (using equipment and software guest lecturers, independent preparation and 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				
	Ī	15.2.	<u> </u>	atory,	45 hours		
			auditory), seminar p	apers,	,		
			teamwork				
16.	Other activity forms	16.1.	. Project Tasks		15 hours		
	j	16.2.	Independent Lea	arning	15 hours		
			Tasks				
		16.3.	Home learning		75 hours		
17.	Assessment methodology		_L				
	17.1. Tests		10 points				
	17.2. Seminar paper/project (presentation: written and oral)			10 points			
	17.3. Activity and learning				10 points		
	17.4. Final exam			70 pc	oints		
18.	Assessment criteria (points/grade)	u	p to 50 points	5 (fiv	re) (F)		
		_	1 to 60 points	6 (six	x) (E)		
			1 to 70 points		ven) (D)		
			1 to 80 points		ght) (C)		
			1 to 90 points	_	ne) (B)		
1.0		9	1 to 100 points		en) (A)		
19.	Course completion and final ex requirements	am I	Realized activities 15.1	and 1:	5.2		
20.	Teaching Language	1	Macedonian and English	h			
21.	Teaching quality evaluation method	q	Internal evaluation uestionnaires	n	mechanisms	and	
22.	Course Material						
	22.1. Mandatory course material						

	No	Author	Title	Publisher	Year				
	1	Ron White	How Computers Work: The Evolution of Technology, 10th Edition (How It Works) 10th Edition	Publishing	; 2014				
	2	Jean Andrews	A+ Guide to Hardware (Standalone Book) 9th Edition	Course Technology	2016 y				
	3	Scott Mueller	Upgrading and Repairing PCs (22nd Edition)	_	2015				
22.2.									
	No.	Author	Title		Publisher	Year			