1.	Course title	Introduction to Computing		
2.	Course code	CSEW102		
3.	Study program	CSE, CE, NT, AET		
4.	Unit offering the course	**FCSE**		
5.	Undergraduate/postgraduate/PhD	**Undergraduate**		
6.	Year/semester	7. ECTS: **6**		
8.	Teacher(s)	Prof. Katerina Zdravkova, Assist. Prof. Dejan Spasov, Assist. Prof. Ivica Dimitrovski, Assist. Prof. Gjorgji Madzharov		
9.	Course prerequisites	None		
10.	Goals (competences): High awareness of ICT fundamentals, ICT history, current status and future; the way how computers work; Web fundamentals; image, video and animation processing; key areas of ICT and their influence; competence to manipulate text, tables, graphs, images, audio and video.			
11.	Course content: Introduction to computer history; How computers work?; How software and application software work?; Internet fundamentals; Web and networking; Malicious software and countermeasures; Multimedia, graphics, sound and video; Computer science and its areas; Project assignments: text, table, graph, image, audio and video manipulation programs.			
12.	Teaching methods: Lectures, training, labs, project assignments, home assignments			
13.	Total available time	6 ECTS * 30 = 180 hours		
14.	Distribution of the available time	30 + 15 + 30 + 25 + 40 + 40 = 180		
15.	Teaching activities	15.1.	Lectures	30 hours
		15.2.	Training (labs, problem solving), seminar and team work	15 + 30 hours
16.	Other activities	16.1.	Project work	25 hours
		16.2.	Self study	40 hours
		16.3.	Home work	40 hours
17.	Grading			
	17.1.	Tests		40 points
	17.2.	Practical assessments		40 points
	17.3	Practical projects		15 points
	17.4.	Active participation		5 points
18.	Grading criteria	to 50 points		5 (five) (F)
		from 51 to 60 points		6 (six) (E)
		from 61 to 70 points		7 (seven) (D)
		from 71 to 80 points		8 (eight) (C)

				from 81 to 90 points		9 (nine) (B)
				from 91 to 100 points		10 (ten) (A)
19.	Final exam prerequisites			Activities 15 and 16		
20.	Course language			Macedonian and English		
21.	Quality assurance methods			Mechanisms for internal evaluation and student polls		
22.	Literature					
	22.1.	Compulsory				
		No.	Authors	Title	Publisher	Year
		1.	Evans, D.	Introduction to Computing: Exploration in Language, Logic, and Machines	Create Space Independent Publishing Platform	2011
		2.	Conery, J., S.	Exploration in Computing	CRC Press	2010
		3.	Zdravkova, K. et al.	Introduction to Computing	courses.finki.ukim.mk	2013
	22.2.	Mandatory				
		No.	Authors	Title	Publisher	Year
		1.	Stanford University	Computer Science 101	https://www.coursera.org/course/cs101	2012
		2.	Boston University	CS 101: Introduction to Computers	http://www.cs.bu.edu/courses/cs101/	2012