

1.	Course Title	Economy for ICT engineers		
2.	Code	F18L2S100		
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 2 / winter / optional	7. ECTS credits	6	
8.	Teacher	associate professor Smilka Janeska SarkaNjac		
9.	Course enrollment prerequisites	Бизнис и менаџмент		
10.	<p>Course program goals (competencies):  ICT engineers, designing and offering ICT services, face questions about SLAs, vendors, suppliers, the financial aspects of ICT services - how much the service should be priced, why exactly that much , how much are the costs, how much they are allowed to cost, etc.. The areas that need to be introduced are budgeting, bookkeeping, pricing, financial planning, financial analysis and reporting. This course has the task of helping them to master these areas through a description of the underlying economic models; demonstrating how these models work; description of the main economic phenomena using economic models.</p>			
11.	<p>Course program content:  What is economics? The economic problem; Offer and demand; Elasticity; Efficiency and fairness; Organization of production; Output and costs; Main activities that are performed in the financial management of ICT services; Evaluation of ICT services; Modeling demand for ICT services; Management of a portfolio of ICT services; Optimization of providing ICT services; Analysis of investments in ICT services; Budgeting, accounting and pricing; Financial Compliance.</p>			
12.	<p>Learning methods:  Lectures using presentations, interactive lectures, exercises (using equipment and software packages), teamwork, case studies, invited guest lecturers, independent preparation and defense of a project assignment and seminar work.</p>			
13.	Total available time	6 ECTS x 30 hours = 180 hours		
14.	Distribution of the available time	30 + 45 + 30 + 35 + 40 = 180 hours		
15.	Teaching activity forms	15.1.	Lectures – theoretical teaching	30 hours

		15.2.	Exercises (laboratory, auditory), seminar papers, teamwork	45 hours		
16.	Other activity forms	16.1.	Project Tasks	30 hours		
		16.2.	Independent Learning Tasks	35 hours		
		16.3.	Home learning	40 hours		
17.	Assessment methodology					
	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 points		
18.	Assessment criteria (points/grade)		up to 50 points	5 (five) (F)		
			51 to 60 points	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)		
19.	Course completion and final exam requirements	Realized activities 15.1 and 15.2				
20.	Teaching Language	Macedonian and English				
21.	Teaching quality evaluation method	Internal evaluation mechanisms and questionnaires				
22.	Course Material					
	22.1.	Mandatory course material				
		No	Author	Title	Publisher	Year
		1	Michael Parkin	Microeconomics, 10/e	Prentice Hall	2012
		2	David Cannon	ITIL Service Strategy, 2/e	The Stationery Office	2011
		3	Таки Фити	Економија	Економски факултет Скопје	2010
	22.2.	Additional course material				
		No.	Author	Title	Publisher	Year

