

1.	Course title	Internet Technologies		
2.	Course code			
3.	Study program	FCSE, IKI		
4.	Unit offering the course	FCSE		
5.	Undergraduate/postgraduate/PhD	Undergraduate		
6.	Year/semester 2/summer (elective)	7. ECTS: 6		
8.	Teacher(s)	assoc. prof. d-r Dimitar Trajanov, assist. prof. d-r Goce Armenski		
9.	Course prerequisites			
10.	Goals (competences): To learn the mechanisms in the HTTP protocol. Learns to use platforms for developing web applications. To create and develop web applications. To develop and use web services.			
11.	Course content: Development of web server applications. HTTP protocol. HTTP methods. Transfer of data in HTML forms. Web controls. Platform for web server applications development. Development environments for Web applications. Manage state in Web applications. State less web applications. State management in web Applications: session, view state, cookies, query string, global session. Visual Web Controls. Data access in web applications. Web services. Creating Web services. State in Web services. SOAP web services. REST services. Creating applications using Web services. Using public web services.			
12.	Teaching methods: Lectures supported by slide presentations, interactive lectures, trainings (using lab equipment and software packages), team work, case studies, invited guests and lectures, individual practical assignments presentations, seminar paper, e-learning (forums, consultations).			
13.	Total available time	6 ECTS x 30 hours = 180 hours		
14.	Distribution of the available time	30 + 45 + 105 = 180 hours		
15.	Teaching activities	15.1.	Lectures	30 hours
		15.2.	Training (labs, problem solving), seminar and team work	45 hours
16.	Other activities	16.1.	Project work	40 hours
		16.2.	Self study	30 hours
		16.3.	Home work	35 hours
17.	Grading			
	17.1.	Tests	60 points	
	17.2.	Seminar work/project (written or oral presentation)	30 points	
	17.3.	Active participation	10 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	Completed activities 15.1 and 15.2				
20.	Course language	Macedonian and English				
21.	Quality assurance methods	Internal evaluation and student polls				
22.	Literature					
	22.1.	Compulsory				
		No.	Authors	Title	Publisher	Year
		1.	Matthew MacDonald	Beginning ASP.NET 4.5 in C#	Apress	2012
		2.	Bipin Joshi	HTML5 Programming for ASP.NET Developers	Apress	2012
	3.	Javier Paniza	Rapid Java Web Development	CreateSpace Independent Publishing Platform	2011	
	22.2.	Additional				
		No.	Authors	Title	Publisher	Year
		1.				
		2.				
3.						