

1.	Course	Software Requirements Analysis and Specification Анализа и спецификација на софтверски барања		
2.	Code	INF-S2		
3.	Study programme	Informatics		
4.	Study programme organized by	Faculty of Computer Science and Engineering		
5.	Cycle	Third - PhD		
6.	Academic year / semester winter/summer/elective	first/second		
8.	Teacher	Prof. D-r Ljupcho Antovski		
9.	Prerequisites	None		
10.	Course programme goals (competences): After the completion of the course it is expected that the student will gain skills for advanced identifications of software requirements, will have detailed command of the process of elicitation of software requirements, will be able to write software requirements specifications of a software project, will be able to manage the software requirements and the change process, will be able to model the software requirements			
11.	Course syllabus: Deepen study of methods, tools, notations and techniques for validation and analysis, specification, building a prototype and management of software requirements. Deepen analysis of object oriented modelling of requirements, including modelling through use cases, static and dynamic modelling.			
12.	Teaching methods: Classes supported with slide presentations, interactive teaching, lab equipment and other software packages, teamwork, case studies, invited guest lecturers, presentations of project works, e-learning materials, forums and consultations.			
13.	Total fund of work hours	6 ECTS x 30 hours = 180 hours		
14.	Available hours distribution			
15.	Teaching activities	15.1.	Theoretical classes	45 hours
		15.2.	Practical classes (labs, exercises), seminars, team work	30 hours
16.	Other activities	16.1.	Project tasks	40 hours
		16.2.	Self study	25 hours
		16.3.	Homework	40 hours
17.	Grading			
	17.1.	Tests		40 points
	17.2.	Seminar work/ project (presentation: written and oral)		50 points
	17.3.	Active participation		10 points
18.	Grading criteria (points/grade)	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.	Conditions for attending the final exam	Regular attendance to classes (up to 3 absences), submission on time of the homework, seminar works, forum discussions and project			
20.	Language	Macedonian or English			
21.	Quality assessment	Internal evaluation and student pools			
Literature					
Compulsory					
	No.	Author	Title	Publisher	Year
22.1.	1.	Karl E. Wiegers	Software Requirements	Microsoft Press	2003
	2.	Ben Rinzler	Telling Stories: A Short Path to Writing Better Software Requirements	Wiley	2009
	3.	Richard H. Thayer, Merlin Dorfman	Software Requirements Engineering	Wiley-IEEE Computer Society Pr	1997
Additional					
	No.	Author	Title	Publisher	Year
22.2.	1.	Ian Sommerville, Pete Sawyer	Requirements Engineering: A Good Practice Guide	Wiley	1997
	2.	Soren Laesen	Guide to Requirements SL-07: Template with Examples v2	Lausen Publishing	2011
	3.	Papers on the Internet in relation to requirements engineering			