1.	Course title			Engineering ERP business systems		
2.	Course code			SI-I-13		
3.	Study program			Software engineering		
4.	Unit offering the course			FCSE		
5.	Undergraduate/master/PhD			Master		
6.	Year/semester 2/summer/elective			ECTS: 6		
8.	Teacher	(s)	а	assist. prof. d-r Ivan Chorbev, assoc. prof. d-r Ljupco Antovski, assoc. prof. d-r Dejan Gjorgjevikj		
9.	Course p	orerequisites		None		
10.	Goals (competences): After the completion of the course, the students are expected to understand the key elements of software modelling of business processes within an integrated and logical way in business systems. The students should demonstrate practical understanding of business system integration and its use in the context of modern business environment. They should be able to summarise the functions of Enterprise Resource Planning – ERP systems. They should be able to explain the business and technical conditions that resulted in the need of ERP systems. They should be able to evaluate commercial ERP systems in order to determine whether they satisfy business needs. To be able to compare the logical, technological and organisational architecture of such systems. The students should show knowledge of the structure, modules and functionalities in ERP systems.					
11.	Course content: Modules of ERP systems, functions of ERP systems. Concepts behind the modules and functionalities. Planning and implementation of ERP systems from a user perspective, but also an author overview. Technologies used. Commercially available ERP systems. Open source systems. The SAP system. The OpenERP system. The Microsoft AX system. Modules for manufacturing, warehousing, sales and marketing, human resources, finance, accounting, procurement.					
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			60 + 0 + 120 = 180 hours		
15.	Teaching activities		15.1. 15.2.	Lectures Training (labs, problem solving), seminar and team work		60 hours 0 hours
16.	Other activities		16.1.	. Project work		40 hours
			16.2.	. Self study		40 hours
			16.3.	. Home work		30 hours
	Grading					
17.	17.1. Tests					65 points
	17.2. Seminar work/project (written or oral presentation)				25 points	

points 5 (five) (F)					
$f_{\rm circ}$					
points $O(SIX)(E)$					
points 7 (seven) (D)					
points 8 (eight) (C)					
points 9 (nine) (B)					
points 10 (ten) (A)					
Successfully completed activities 15.1 and 15.2					
Macedonian and English					
Internal evaluation and student questionnaires					
Compulsory					
Publisher Year					
urce Pearson Prentice Hall 2005					
ns for Pearson 2009 Education Inc.					
Additional					
Publisher Year					