Course Name : Software Engineering								
Course Code	Course Type	Regular Semester	Lecture (hours/we ek)	Seminar (hours/we ek)	Lab. (hours/we ek)	Credits	ECTS	
CMP 315	В	Fall	2.00	0.00	2.00	3.00	6.00	
	Lecturer	Andi Goro, Msc						
Assistant		Klevis Topi, Msc						
Course language		Albanian						
Course level		Bachelor						
	Description	This course introduces contemporary issues related to the field of software engineering. It addresses in-depth software lifecycle models, including software phase specifications, design, development, testing, and storage. Object Oriented design methods and practices, their applications in the development of computerbased systems.						
	Objectives	Students will recognize the importance and need of software engineering to cope with modern trends in the software industry.						
Core Concepts		The semester project will enable students to implement software engineering concepts in a disciplinary way, to compete in the local and international market.						
Course Outlin	ne							
Week	Торіс							
1	Introduction to Software Engineering							
2	Software Life Cycles Development							
3	Software Process Models							
4	Software Project Management							
5	Software Project Planning							
6	Software Requirements							
7	Concepts and principles of Object Oriented Engineering							
8	Midterm Exam							
9	Software analysis models							

Principles of graphical user interface (GUI) design.

Risk Management

Use Case Diagram

UML Project Examples

Project

Final Exam

Software Quality Assurance

10

11 12

13

14 15

16

Prerequisites		The student must attend the course at a minimum rate of 75%.		
Literature		• Software Engineering A practitioner's approach, Mc-Graw Hill 6th Edition 2005 by Roger S Pressman		
References		Object Oriented Software Engineering using UML Patterns and JAVA. 2004, by Bernd Bruegge, Pearson Edition.		
Course Outcome				
1		Students will recognize the importance and need of software engineering to cope with modern trends in the software industry.		
2		Students will have knowledge of all stages of the software lifecycle including the artifacts that have been produced.		
3	Students will	Students will be proficient enough to analyze, evaluate and apply a range of case tools.		
4		The semester project will enable students to implement software engineering concepts in a disciplinary way, to compete in the local and international market.		

Course Evaluation

In-term Studies	Quantity	Percentage
Midterms	1	20
Quizzes	0	0
Projects	1	20
Term Projects	0	0
Laboratory	0	0
Class Participation	1	10
Total in-term evaluation percent		
Final exam percent		
Total		

ECTS Workload (Based on Student Workload)

Activities	Quantity	Duration (hours)	Total (hours)	
Course duration (Including the exam week: 16x Total hours of the course)	16	4	64	
Study hours outside the classroom (Preparation, Practice, etc.)	14	6	84	
Duties	1	0	0	
Midterms	1	1	1	
Final Exam	1	1	1	
Other	0	0	0	
Total Work Load				
Total Work Load / 25 (hours)				
ECTS				