Course Name : Databases											
Course Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab. (hours/week)	Credits	ECTS				
CMP 217	В	Fall	3.00	0.00	1.00	3.50	5.00				
	Lecturer Klevis Topi, Msc										
Assistant											
Course language		Albanian									
Course level		Bachelor									
Description											
Objectives											
Co	Core Concepts										
Course Outlin	ne										
Week	Topic										
1	Introduction to Database Systems, Database System Concepts										
2	Entity-Relationship Model										
3	Enhanced Entity Relationship Model										
4	Relational Data Model										
5	Relational Algebra I										
6	Relational Algebra II										
7	Normalizing a database										
8	Midterm										
9	Introduction to SQL										
10	DML data manipulation instructions										
11	More DML instructions, DDL table creation instructions										
12	Introduction to MySQL, database design in MySQL										
13	Tables in MYSQL										
14	Retrive data from tables using MySQL statements										
15	Database Programming										

Final Exam

Prerequisites		The student must attend the course at a minimum rate of 75%.						
Literature		 Emasri, Navathe, "Fundamentals of Database Systems", 2011 sixth edition, Addison Wesley. Jay Greenspan and Brad Bulger, 'MySQL/PHP Database application', 2001, Published by M&T Books Ch. FEHILY, SQL - Third Edition, 2008 						
Ref	erences							
Course Outcome)							
1 The	he students creates a simple database.							
2 The	The students does simple queries in the database.							
3 The	The student is familiar with the basic components of an RDBMS.							
4 The	The student manipulate the data of a database with SQL and MYSQL.							
5 The	The student is capable of administering a database.							
Course Evaluation	on							
	Quantity	Percentage						
Midterms	1	10						
Quizzes	0	0						
Projects	1	20						
Term Projects	0	0						
Laboratory	0	0						
Class Participation	1	10						
		40						
Final exam percent								
Total								
ECTS Workload ((Based o	on Student Workload)						
	Act	ivities	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	4	56			
Duties			1	0	0			
Midterms			1	0	0			
Final Exam			1	2	2			
Other			0	0	0			
		Total Work Load			122			

Total Work Load / 25 (hours)

ECTS

4.88

5.00