



**UNIVERSITY OF PRIZREN  
FACULTY OF COMPUTER SCIENCE**

PROGRAM:

<b>Curriculum - – SYLLABUS</b>							
<i>Level of studies</i>	Bachelor	<i>Program</i>	TIT	<i>Academic year</i>	2018/2019		
<i>SUBJECT</i>	Information Management						
<i>Year</i>	<b>2018</b>	<i>Status Of the subject</i>	Optional	<i>Code</i>		<i>ECTS credits</i>	6
<i>Semester</i>	V						
<i>Teaching weeks</i>	15		<i>Hours teaching</i>	30	<i>Lectures</i>	<i>Exercises</i>	
					2	2	
<i>Teaching Methodology</i>	Lectures ,Projects, Presentations, Tests						
<i>Consultation</i>	Usually at the End of Each Lecture						
<i>The teacher</i>	Agon Kokaj		<i>E-mail:</i>	<b><u>agon.koka@gmail.com</u></b>			
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<b>Study goal and table of content</b>	<b>Benefits of student</b>
<ul style="list-style-type: none"> <li>➔ Students are expected to be able to distinguish different systems</li> <li>➔ Students should be able to design a sub-system in SQL</li> <li>➔ Students are expected to know the basic understanding of how an IT-company solves its problems within the system</li> </ul>	<ul style="list-style-type: none"> <li>➔ Students are able to know how systems function within an IT network</li> <li>➔ Students will be able to design Data Bases and know how they are used</li> <li>➔ Students will be able to write code for designing Data Bases in case they will have to work in a company in the near future</li> </ul>

<b>Methodology for the implementation of educational topics:</b>		
<ul style="list-style-type: none"> <li>➔The course is lectured in 2 consecutive hours and at the end of each lecture there is a quiz</li> <li>➔The course is lecture on power point and a discussion period is carried out at the end of each lecture</li> </ul>		
<b>Conditions for realization of educational topics:</b>		
• Lecture Room		
<b>Ways of assessing of the student (in %) :</b>	<b>Evaluation in%</b>	<b>Final grade</b>
Exam 1	25	
Exam 2	25	
Project	30	
Quizes	20	
<b>Total</b>	<b>100.00 %</b>	
<b>Obligations of student:</b>		
<b>Lectures</b>	<b>Exercises</b>	

Activities	Hour/ weeks	Days/Weeks	
Lectures	1	15	
Laboratory exercises	1	15	
Contacts with teachers / consultations	1	15	
Practical work	1	15	
Projects, presentations, etc.	1	15	
Own study time	1	30	
Preparation for final exam	1	15	
Time spent in the assessment (tests, final exam, etc.)	1	15	
<b>Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.</b>		<b>Total load:</b>	<b>150</b>
Week	Lectures Topic	Hour	Exercises Topic
1	1.1 How are information systems transforming business, and why are they so essential for running and managing a business today? 1.2 What is an information system? How does it work? What are its management, organization, and technology components? Why are complementary assets essential for ensuring that I information systems provide genuine value for organizations?	2	MySQL, NoSQL, ORACLE DB
2	2.1. What are the unique features of e-commerce, digital markets, and digital goods? 2.2. E-commerce Today 2.3. The New E-commerce: Social, Mobile, Local 2.4. Why E-commerce is Different? 2.5. What is the role of the information systems function in a business?	2	MySQL, NoSQL
3	3.1. What are the problems of managing data resources in a traditional file environment? 3.2. File Organization Terms and Concepts? 3.3. Problems with the Traditional File Environment 3.4. The importance of data, data management, and data management systems.	2	Databaza relationale, XML, text, JSON
4	4.1. Capabilities of Database Management Systems 4.2. Designing Databases 4.3. Non-relational Databases and Databases in the Clou	2	How to create a database, load data
5	5.1. Capabilities of Database Management Systems 5.2. Designing Databases 5.3. Non-relational Databases and Databases in the Cloud	2	load data, insert/delete
6	6.1. Conceptual design: ER diagrams, functional dependencies	2	Presentation
7	TEST 1	2	Presenations
8	8.1. Transactions: What they are and how to use the	2	Quiz
9	NoSQL Databases 9.1. How they function? 9.2. How to query data?	2	MS-Acess Project

10	10. Data on the Web 10.1. Data Integration 10.2. Information Retrieval 10.3. Asking structured queries over the web	2	MS Access Project	
11	11. Vazhdim.. Data on the Web 11.1. Data Integration 11.2. Information Retrieval 11.3. Asking structured queries over the we	2	MS-Excell Project	
12	12. Securing Information Systems 12.1. Why are information systems vulnerable to destruction, error, and abuse? 12.2. What is the business value of security and control?	2	Quiz	
13	13. Tools and technologies for safeguarding information resources? 13.1. Identity Management and Authentication 13.2. Firewalls, Intrusion Detection Systems, and Antivirus Software 13.3. Securing Wireless Networks 13.4 Encryption and Public Key Infrastructure 13.5. Ensuring System Availability	2	Quiz	
14	TEST 2	2	Quiz	
15	Final Presentations	2	Final Presentations	

<b>LITERATURE:</b>
1. Kenneth C.Laudon,Jane P Managment Information Systems
<b>NOTICE:</b>
→Students are expected to be able to weite code in SQL and MySQL at the end of the Final Presentation →Students must be able to present a new IT-System Company
<b>Notice for the student:</b>
→Students are expected to show enthusiasm in presentations, on Databases learning techniques and they are expected to present there work in logically for an assesment project