



**UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE**

PROGRAM: Information Technology and Telecommunications

Curriculum - – SYLLABUS							
<i>Level of studies</i>	BACHELOR	<i>Program</i>	TIT	<i>Academic year</i>	2018/19		
<i>SUBJECT</i>	Dynamic content of web engineering						
<i>Year</i>	III - rd	<i>Status Of the subject</i>	O	<i>Code</i>	6O1	<i>ECTS credits</i>	6
<i>Semester</i>	VI-th						
<i>Teaching weeks</i>	15		<i>Hours teaching</i>	60	<i>Lectures</i>	<i>Exercises</i>	
					2	2	
<i>Teaching Methodology</i>	Lectures, exercises, seminar papers, consultations, tests.						
<i>Consultation</i>	One hour / week						
<i>The teacher</i>	Dr.Sc.Zirije Hasani			<i>E-mail:</i>	zirije.hasani@uni-prizren.com		
				<i>Tel.:</i>			
<i>Assistant</i>				<i>E-mail:</i>			
				<i>Tel.:</i>			

Study goal and table of content	Benefits of student
The purpose of this course is to observe the requirements for the use of advanced network services computer and use applications, standards and latest technologies and current as PHP and MySQL as well as XML.	Upon completion of this course the student will be able to create web applications with PHP and MySQL connects it to where you can make Selektimini, insert, delete abdejt and data from the base. It will also knows to create document using XML, XML transformation using XSLT document.

Methodology for the implementation of educational topics:		
The course will be divided into two parts the first part of the lectures will be presented with PowerPoint and the second part will be the practical part. In the practical part will be exercises topic that is explained during class lecture.		
Conditions for realization of educational topics:		
Needs projector for presentation of PowerPoint lectures and laptops. Also need Notepad ++ to write the code. WAMP needed for the PHP and Altova XMLSpy for reading XML files.		
Ways of assessing of the student (in %) :	Evaluation in%	Final grade
Table with details of the manner of evaluation:	0-50%	5
	51-60%	6
	61-70%	7
	71-80%	8
	81-90%	9
	91-100%	10

Activity	Percentage
Homeworks	20%
Attendance	5%
Engagement in exercise classes	5%
Midterm 1 (project)	40%
Midterm 2	30%
Total	100%

Obligations of student:

Lectures	Exercises
Must be active during the lectures with questions and comments.	Be active in choosing the tasks that will be given during class exercises.

Student workload for Subject

Activities	Hour/ weeks	Days/Weeks	Total
Lectures	3	15	45
Laboratory exercises	2	15	30
Contacts with teachers / consultations	1	5	5
Practical work	1	2	2
Projects, presentations, etc.	1	2	2
Own study time	3	15	45
Preparation for final exam	3	5	15
Time spent in the assessment (tests, final exam, etc.)	2	3	6
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.		Total load:	150

Week	Lectures	Hour	Exercises	Hour
	Topic		Topic	
1	Syllabus presentation Introduction to dynamic content of web engineering	2	Laboratory tasks	2
2	PHP introduction	2	Laboratory tasks	2
3	Conditionals and functions	2	Laboratory tasks	2
4	Cycles and strings	2	Laboratory tasks	2

5	Strings	2	Laboratory tasks	2
6	PHP and MySQL	2	Laboratory tasks	2
7	Using sessions in PHP	2	Laboratory tasks	2
8	Writing in the database	2	Laboratory tasks	2
9	Midterm 1 (Project)	4		
10	Documents and markup, Overview of XML, XML syntax, XML Namespaces	2	Laboratory tasks	2
11	Well-formed and valid XML Document Type Definition (DTD)	2	Laboratory tasks	2
12	XML Schema	2	Laboratory tasks	2
13	XML Infoset XPath	2	Laboratory tasks	2
14	XML Stylesheet Language Transformations (XSLT)	2	Laboratory tasks	2
15	Midterm 2	4	Presentation of Project	2

LITERATURE:

Basic Literatur :

1. Kenneth B. Sall, "XML Family of Specifications: A Practical Guide", Addison-Wesley, 2002.
2. Howard Katz, Don Chamberlin, Denise Draper, Mary Fernandez, Michael Kay, Jonathan Robie, Michael Rys, Jerome Simeon, Jim Tivy and Philip Wadler. *XQuery from the Experts: A Guide to the W3C XML Query Language*, Addison-Wesley Professional, 2003.
3. Akmal B. Chaudhi, Awais Rashid and Roberto Zicari. *XML Data Management: Native XML and XML-Enabled Database Systems*, Addison-Wesley Professional, 2003.
4. H.E. Williams and D. Lane. *Web Database Applications with PHP and MySQL*, 2nd Edition, O'Reilly & Associates, 2004. ISBN 0-596-00543-1.

Additional Literature:

1. L. Ullman. *PHP for the World Wide Web (Visual QuickStart Guides)*, 3rd edition, Peachpit Press, 2008. ISBN-10: 0321442490.
2. M. Prigmore. *An Introduction to Databases with Web Applications*, Prentice Hall, 2008. ISBN 978-0-321-26359-9

NOTICE:

- In general presentations of lectures will be made through Power Point system, table, use of materials and computer software and the Internet.
- Also, the professor will be provided additional materials (papers, publications, national bulletins and sound research findings and final).
- During each session, will be organized conversations with students.

Notice for the student:

The students are required to be regular in the lectures and exercises.

The contribution of the students in the form of conversation with the students will be evaluated.

Arrival time at lectures and exercises is mandatory.

Students are expected to behave in a professional and courteous. Students can discuss the laboratory tasks in general with other students, but the solution must be done individually. Method of grading should be same residence for all students. Students do not need to replicate a solution to another person, by any other book or other source (eg web pages), but the solution must be the original of his own. The same rules are for homework and projects or seminary. Copying someone else's work will not be tolerated. Professors will report every violation of the rules of Commission for plagiarism.