UNIVERZITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE

PROGRAM: Software Design

Curriculum - – SYLLABUS							
Level of studies	BACHELOR	***Program***	SD	***Academic year***	2018/19		
SUBJECT	Advanced web development						
Year	**II –nd**	***Status Of the subject***	Obligatory	***Code***	4O3	***ECTS credits***	6
Semester	IV - th						
Teaching weeks	15	***Hours teaching***	***60***	***Lectures***	***Exercises***		
				2	2		
Teaching Methodology	Lectures, exercises, seminar papers, consultations, tests.						
Consultation	One hour / week						
The teacher	Dr.Sc. Zirije Hasani	***E-mail:***	zirije.hasani@uni-prizren.com				
		Tel.:					
Assistant		***E-mail:***					
		Tel.:					

Study goal and table of content	**Benefits of student**
The main aim of the course is to learn students the programming language PHP and PHP 5. Also throw PHP to connect to database and manipulate data throw HTML forms. It will also be able to create web interface with customers in PHP programming language which will connect with MySQL database.	After finishing the course the student will be able to create dynamic web application by using PHP and create database in MySQL. Also will learn the XML language and how this language is related with php. It will also be able to create web interface with in PHP programming language which will connect with MySQL database.

Methodology for the implementation of educational topics:
Lectures will be presented in PowerPoint and exercises will be held in the computer lab equipped to realize the application programming. Also will be provide consultation for students needing clarification.
Conditions for realization of educational topics:
Adequate literature, table, computer, projector and other necessary IT tools for learning and exercises (XAMPP).

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
Final project	35%
Homework	5%
Attendance	5%
Activity	5%
Midterm 1	20%
Midterm 2	30%
Total	100%

Total		

Obligations of student:

Lectures	Exercises
Must be active during the lectures with questions and comments.	Should perform exercises that will develop with computer every hour using WAMP platform (PHP and MySQL) for building web applications and databases. Must be active in choosing the tasks that will be given.

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 Topic	Hour	Exercises Topic	Hour
1	Introduce students to the subject matter and how to develop this subject during the semester. Also shown commitments that they have to be able to pass the subject. The syllabus presented to the students. Short repetition of material.	2		2
2	Why we use PHP? What is PHP? Introduction to PHP 5.	2	Exercises	2

3	PHP varialbles	2	Exercises	2
4	Constraints in PHP	2	Exercises	2
5	Functions in PHP	2	Exercises	2
6	Cycles and strings in PHP	2	Exercises	2
7	Midterm 1	2	Midterm 1	2
8	MySQL Database MySQL Connect MySQL Create DB MySQL Create Table MySQL Insert Data MySQL Get Last ID MySQL Insert Multiple MySQL Prepared MySQL Select Data MySQL Delete Data MySQL Update Data MySQL Limit Data	2	Exercises	2
9	Writing to database	2	Exercises	2
10	PHP Advanced PHP Arrays Multi PHP Date and Time PHP Include PHP File Handling PHP File Open/Read PHP File Create/Write	2	Exercises	2
11	PHP File Upload PHP Cookies PHP Sessions	2	Exercises	2
12	PHP Filters PHP Filters Advanced PHP Error Handling PHP Exception	2	Exercises	2
13	Introduction to XML	2	Exercises	2
14	PHP - XML PHP XML Parsers PHP SimpleXML Parser PHP SimpleXML - Get PHP XML Expat PHP XML DOM	2	Exercises	2
15	Midterm 2	2	Project presentation.	2

LITERATURE:

Basic Literatur :

1. **Learning PHP, MySQL, and JavaScript: A Step-By-Step Guide to Creating Dynamic Websites,** Robin Nixon
2. PHP 5/MySQL Programming, for the absolute beginner by Andy Harris

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 evey violation of the rules of Commission for plagiarism.