

## NEU, Department of Computer Information Systems

<b>Course Unit Title</b>	Web Development (PHP With MySQL)	
<b>Course Unit Code</b>	CIS 488	
<b>Type of Course Unit</b>	Elective	
<b>Level of Course Unit</b>	Bachelor's degree	
<b>National Credits</b>	3	
<b>Number of ECTS Credits Allocated</b>	4 ECTS	
<b>Theoretical (hour/week)</b>	2	
<b>Practice (hour/week)</b>	-	
<b>Laboratory (hour/week)</b>	2	
<b>Year of Study</b>	4	
<b>Semester when the course unit is delivered</b>	1	
<b>Course Coordinator</b>	Doğuş Sarıca	
<b>Name of Lecturer (s)</b>	Doğuş Sarıca	
<b>Name of Assistant (s)</b>	Bora Oktekin	
<b>Mode of Delivery</b>	Lecturing	
<b>Language of Instruction</b>	English	
<b>Prerequisites and co-requisites</b>	CIS 132,CIS 246	
<b>Recommended Optional Programme Components</b>	Basic background on algorithms	
<b>Objectives of the Course:</b>		
<p>The objective of this course is to provide students with a sound basis in the development of Web Application that meet the recommendations of the WWW Consortium. The student will not only be able to provide optimum solutions to software problems using the PHP and MySQL technology but will also be equipped to apply this to other related technologies</p>		
<b>Learning Outcomes</b>		
When this course has been completed the student should be able to		Assessment.
1	The students will be aware of developing Web applications in accordance with the WWW Consortiums recommendations and	1
2	Students will, by the use of PHP with MySQL, have a broad understanding of what is involved in developing dynamic Web sites from both a business as well as a technical perspective.	2
Assessment Methods: 1. Written Exam, 2. Assignment 3. Project/Report, 4.Presentation, 5 Lab. Work		
<b>Course's Contribution to Program</b>		
		<b>CL</b>
1	Apply computer technology to address business information system needs.	5
2	Demonstrate a deeper understanding of at least one area of computing, such as programming, networking, technical support or web technology, enabling the student to gain employment in the information systems field	5
3	Demonstrate critical thinking in understanding, evaluating and applying technology solutions to real life problems.	3
4	Demonstrate familiarity with e-commerce resources, tools, including web programming, publishing,	4

5	Articulate ethical and professional standards to the use of computer information systems and computer based data.	4
6	Effectively use personal, interpersonal and communication skills in team work, time management in projects and self-learning.	4
7	Grow professionally through continuing education, research and development, and involvement in professional activities to recognize the need to engage in continuing professional development and lifelong learning.	4
8	Identify, analyze and develop solutions for information systems-related business problems/opportunities.	5
9	Demonstrate knowledge of current information, theories and models, and techniques and practices in all of the major business disciplines including the general areas in information technologies.	5
CL: Contribution Level (1: Very Low, 2: Low, 3: Moderate 4: High, 5:Very High)		

<b>Course Contents</b>			
<b>Week</b>	<b>Chapter</b>		<b>Exams</b>
1		Introduction to the Web and some history	
2	1	Introduction to Web Development	
3	1	XHTML and CSS	
4	2	Introduction to PHP basics	
5	3	Working with data types and operators	
6	4	Functions and Control Structures	
7	5	Manipulating Strings	
8			Mid-term
9	8	Working with databases and MySQL	
10	9	Manipulating MySQL databases with PHP	
11	9	Manipulating MySQL databases with PHP	
12	10	Managing State Information	
13		Project work	
14		Project work	
15			Final
<b>Recommended Sources</b>			
<b>Textbook:</b> PHP Programming with MySQL, Don Gosselin, ISBN 0-619-21687-5, Publisher: Thomson Course Technology			
<b>Supplementary Material (s):</b> Web Database Applications with PHP & MySQL, Hugh E., Williams, David Lane, O'Reilly Media; 2nd edition (May 16, 2004)			
<b>Assessment</b>			
Attendance & Assignment	10%		
Midterm Exam (Written)	30%		
Quiz (Written)	45%		
Final Exam (Written)	5%		
Self-Test Questions	10%		
Total	100%		
<b>ECTS Allocated Based on the Student Workload</b>			
<b>Activities</b>	<b>Number</b>	<b>Duration (hour)</b>	<b>Total Workload(hour)</b>
Course duration in class (including the Exam week)	16	4	64
Tutorials	13	1	13

Assignments	11	1	11
Project/Presentation/Report Writing	1	11	1
E-learning Activities	-	-	-
Quizzes	2	1	2
Midterm Examination	2	1	2
Final Examination	1	2	2
Self-Study	1	1	15
Total Workload			120
Total Workload/30 (h)			4
ECTS Credit of the Course			4