



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Web Technologies and Programming I							
Course Code		BPR162		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		With this course, the student; It is aimed to gain competences in writing web applications by using an object-based language with basic web knowledge.							
Course Content		Examination of general web technologies. Preparing computers for application development, installing necessary software and examining the concepts of Frontend, Backend, Fulstack. Basic studies on HTML - CSS - JS. General studies on NODEJS - VUEJS - ANGULAR. Data types, operators and variables in php. Arrays in PHP, predefined methods used in the array. Control structures and error checking in php. Loops and functions in php. Object-oriented programming logic in php							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

### Recommended or Required Reading

1	PHP 7 Eğitim Kitabı, Mehmet Ali Uysal, Dikey Eksen
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Week	Weekly Detailed Course Contents	
1	Theoretical	Examination of general web technologies.
2	Theoretical	Preparing computers for application development, installing necessary software and examining Frontend Backend Fulstack concepts.
3	Theoretical	Basic studies on HTML - CSS - JS.
4	Theoretical	Basic studies on HTML - CSS - JS.
5	Theoretical	Basic studies on HTML - CSS - JS.
6	Theoretical	General studies on NODEJS - VUEJS - ANGULAR.
7	Theoretical	General studies on NODEJS - VUEJS - ANGULAR.
8	Theoretical	General studies on NODEJS - VUEJS - ANGULAR.
9	Intermediate Exam	Midterm Exam
10	Theoretical	Data types, operators and variables in php
11	Theoretical	Arrays in PHP, predefined methods used in the array
12	Theoretical	Control structures and error checking in php
13	Theoretical	Loops, functions, database operations in php
14	Theoretical	Object-oriented programming logic in php
15	Theoretical	Object-oriented programming logic in php
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Project	5	10	2	60
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Making the necessary software settings for programming
2	To have knowledge about new technologies
3	Developing database related Web applications
4	Evaluating database related Web applications
5	Understanding object-oriented programming paradigms

**Programme Outcomes (Computer Programming)**

1	Having knowledge and skills in web project preparation and publishing
2	Having the knowledge and skills necessary for proper use management of database applications
3	Having knowledge and skills for software development, testing and installation
4	Be able to use the hardware necessary for computer programming and solve the basic problems they have with hardware
5	To be able to use information and communication technologies at the level required by computer programming
6	To be able to produce solutions to problems encountered in the field
7	Having the competencies to make job planning in the profession
8	Communicating with colleagues and clients based on knowledge and skills
9	Be able to take responsibility as an individual or as a team member and to fulfill the responsibility
10	To be able to express written and oral expressions related to the study topic
11	Be able to adapt the winning information to new situations

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	2	3	4	4	3
P2	2	2	5	5	3
P3	2	2	3	3	2
P4	3	3	3	3	2
P5	2	2	2	2	2
P6	2	2	2	2	2
P7	2	2	2	2	2
P8	2	2	1	1	1
P9	1	2	1	1	1
P10	1	2	1	1	1
P11	2	3	2	2	2

