AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Web Technologies and Programming II								
Course Code	BPR266		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	With this course, It is aimed to gain competencies in writing web applications by using an object-oriented language with advanced 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 Codeigniter, Gökhan Kandemir, Dikey Eksen,2017

Week	Weekly Detailed Course Contents	
1	Theoretical	Object-oriented programming logic in PHP
2	Theoretical	Cunstructer-Destructer Methods
3	Theoretical	Inheritance - Abstraction - Interface
4	Theoretical	Inheritance - Abstraction - Interface
5	Theoretical	What is the Framework?
6	Theoretical	What is the MVC structure and what is it used for?
7	Theoretical	CodeIgniter Folder Structure
8	Theoretical	CodeIgniter URL structures
9	Intermediate Exam	Midterm Exam
10	Theoretical	Database Applications
11	Theoretical	Table Creation, Active Record
12	Theoretical	Methods, Library, Model Operations
13	Theoretical	What is Helper and why is it used?
14	Theoretical	Session Usage
15	Theoretical	Captcha Code
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	5	5
Project	1	0	5	5
Midterm Examination	1	5	1	6

Final Examination	1	5	1	6
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have knowledge about new technologies
2	Web application development with Object-Oriented programming logic.
3	To be able to distinguish web applications developed with Object-Oriented programming logic
4	Developing database-connected web applications with Object-Oriented Programming
5	Evaluating Object-Oriented Programming and database-related web applications

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	3	4	4	3	3
P2	2	5	5	3	3
P3	2	3	3	3	3
P4	3	3	3	2	3
P5	2	2	2	2	2
P6	2	2	2	2	2
P7	2	2	2	2	3
P8	2	1	1	1	3
P9	2	1	1	1	2
P10	2	1	1	1	2
P11	3	2	2	2	2