



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Hardware							
Course Code		BDT259		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, students will gain competencies related to hardware installation procedures							
Course Content		Computer hardware, software and operating system, internet and internet browser, electronic mail management, news groups and forums, web based learning, word processor, transaction table							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Bilgisayar Donanımı- Mehmet ÖZGÜLER
2	Bilgisayar Donanımı-Ebubekir YAŞAR

Week	Weekly Detailed Course Contents	
1	Theoretical	Precautions for static electricity
2	Theoretical	Properties of computer hardware
3	Theoretical	Properties of computer hardware
4	Theoretical	Power supply needs of computer
5	Theoretical	Mainboard, processor, memory devices
6	Theoretical	Portable drives
7	Theoretical	portable drives
8	Theoretical	Midterm exam
9	Theoretical	Hardware cards
10	Theoretical	Computer peripherals
11	Theoretical	BIOS
12	Theoretical	BIOS
13	Theoretical	Error messages
14	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	1	14
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Checking hardware devices
2	Assembling hardware devices
3	Configuring BIOS
4	To detect the failure of hardware elements



5	To know the properties of hardware elements
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**Programme Outcomes (Alternative Energy Sources Technology)**

1	Carry out installing work
2	Do mechanical drawing
3	Do pipe welding
4	Do basic electricity works
5	Do Computer assisted design
6	Install solar energy hot water preparation system.
7	Do measurement and calculations practices.
8	Do basic practices of geothermal energy.
9	Install control and automation system.
10	Install domestic water heating system with solar energy.
11	Generate electricity with solar energy
12	Generate electricity with wind power
13	Do geothermal energy practices
14	Install domestic cooling system
15	Do heating pump practices
16	Manage a business
17	SET UP A WORKPLACE/ BUSINESS (pre-requisite)
18	OBEY VOCATIONAL ETHICAL VALUES
19	RESEARCH AND EVALUATION/OBSERVATION
20	SELFIMPROVEMENT WITH USING INFORMATION FACILITIES
21	Knows the effects of all energy sources on the environment.
22	Can communicate in a foreign language
23	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
24	Ability to plan a career in their own profession.
25	To produce solutions by using the laws of physics in the use or design of tools-machines or devices related to the profession.
26	To provide them with knowledge about substance use and addiction problem and prevention methods.

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

	L1	L2	L3	L4	L5
P20	3	3	3	3	3

