

## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Title Basic Information Technologies							
Course Code	ENF155	5 Couse Leve		I First Cycle (Bachelor's I		achelor's Deg	egree)	
ECTS Credit 4	Workload	100 <i>(Hours)</i>	Theory	3	Practice	0	Laboratory	0
Objectives of the Cours	e The aim of the	e course is to	provide basic	computer	skills for unive	rsity students		
Course Content The main components of the peripherals; Operating syste and management, Introducti screen recording programs of images and graphics, creatin advanced applications. Elec with data such as figures, w based operations, macros, s and editing presentation. Ins effects. Computer and interr		e computer s ems: Ability to tion of utility s etc. Word pro- ing forms, lett ctronic spread vords, and da standard and serting object net security.	ystem: Pro work effe oftwares: / occessing p ers and lal dsheet pro tes, chart o user-defin s like sour Computers	ccessor, input-occtively in the o Archiving programs: Text bels. Customiz grams: Electron drawing, perfor red functions. En ds, images, m and Ethics.	output units, s perating syste rams, audio / and page edit ing menu and nic Spreadshe ming mathem Data presenta ovies etc. Ani	torage and other em, system custo video player prog ting, working with t toolbars. Macro eets, creating ten hatical, logical and tion programs: C imation and spec	mization grams, tables, s and nplate d text reating tial	
Work Placement	N/A							
Planned Learning Activities and Teaching Methods		Explanation Study	(Presenta	tion), Demonst	ration, Projec	t Based Study, Ir	ndividual	
Name of Lecturer(s)	Ins. İlknur GA	Ins. İlknur GANIZ, Res. Assist. Fatih EPİK		К				
Assessment Methods and Criteria								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

# **Recommended or Required Reading**

1 Raymond, F.B., Ginsberg, L. and Gohagan, D. (1998). Information technologies, Routledge.

Week	Weekly Detailed Cours	se Contents
1	Theoretical	Introduction to information systems and computer
2	Theoretical	Bilgisayar Sistemini oluşturan parçalar (Donanım)
3	Theoretical	Windows Operating System
4	Theoretical	Windows Operating System
5	Theoretical	Word processor
6	Theoretical	Word processor
7	Theoretical	Word processor
8	Theoretical	Spreadsheet (Midterm)
9	Theoretical	Spreadsheeet
10	Theoretical	Spreadsheet
11	Theoretical	Presentation software
12	Theoretical	Presentation software
13	Theoretical	Utility software (Compression, photo editor, pdf)
14	Theoretical	Computer security and ethics.

### **Workload Calculation**

Activity	Quantity Preparation		Duration	Total Workload	
Lecture - Theory	14	1	3	56	
Project	1	5	1	6	
Studio Work	14	1	1	28	
Midterm Examination	1	4	1	5	



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Final Examination	1		4	1	5
	Total Workload (Hours)			100	
			[Total Workload (	Hours) / 25*] = <b>ECTS</b>	4
*25 hour workload is accepted as 1 ECTS					

### Learning Outcomes

1	Can define the basic components of the computer system (Processor, input-output units, storage and other peripherals).
2	Can work effectively with operating systems.
3	Can create texts in various formats in the word processing program.
4	Can make advanced applications with word processing programs.
5	Can make applications with "form control" in the electronic spreadsheet program.
6	Can work with macros in the electronic spreadsheet program.
7	Can make advanced applications with electronic spreadsheet programs.
8	Can make advanced applications with data presentation programs.

#### **Programme Outcomes** (*Physics*)

1	To understand the importance of physics by understanding the general concepts of physics, matter and energy
2	To be able to define the movements of matter and to distinguish the characteristics of movements under different force (potential)
3	Be able to say the meaning of Lagrange and Hamiltonian formulations of the movement and apply them to simple problems,
4	To be able to express the fundamental concepts such as time, space, force, momentum and energy in the movements of matter close to the speed of light and be able to solve and interpret the simple problems related to
5	To be able to establish the relationship between electric and magnetic forces and to be able to illustrate their applications to technology and solve problems related to the movement of particles in electric and magnetic fields
6	Be able to say the basic laws of electromagnetics and apply them to problems, illustrate their applications to simple technology
7	To be able to tell the reasons of the differences between the classical cases and the quantum scale and explain the reasons
8	Explain the concepts of discontinuity, uncertainty, matter-antimatter, indecisiveness of quantum physics with examples and explain simple problems related to the subject.
9	To be able to solve the problems of micro-particles under different simple potentials and be able to say their meanings
10	To be able to establish the relationship between the movements and properties of multi-particle systems and the laws of probability and solve simple problems
11	To be able to illustrate the laws, meanings and applications of thermodynamics and use them
12	Be able to use their knowledge about quantum physics and mechanics in explaining some properties of atoms and nuclei
13	To be able to show the meanings of some theoretical concepts by experimenting, and develop a strong relationship between thought and the real world, develop analytical thinking
14	To be able to apply the meanings of the basic laws of physics, their comprehension of universality and the relations between them and the unity of the laws of nature.
15	Use computer to solve physics problems
16	To be able to understand the problems by using their analytical knowledge skills and to propose solutions by dealing with the laws of physics
17	Be able to use the knowledge of physics to understand new technologies
18	To be able to tell the relations between symmetry and conservation laws in laws of physics

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

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