	T.C. Firat University Course Syllabus Form						Document No Publication Date Revision Date		GTM - 0001 3.09.2021			
Code and	17E01	а матері		CC.	,					0 10		
Name:	123810											
Detail:	raduate S Period: 2	chool of Natu 2023-2024	status:	d Sciences Optional	Class: 1	Credits:	3-0-0-3	ECTS: 6	Languag	e: Turkisł	1	
INSTRUCTOR COURSE ASSISTANT												
Title, Name and	Title, Name and Surname:											
Fnone: Fmail:							PI Fr	nail				
Social Account: - Social Account: -						unt:						
Student Day and Time: Student Day and Time:												
Lessons Weekly	Mon	nday	Tuesday	I	Wednesday	Thur	rsday	Fride	ay	Satu	rday	
Program:												
Rendering:	Face-t	o-face lesso	ns per week	3 It	will be done of	on an hourly	y basis.					
Place:	YY:	-			EU:	-						
Purpose:	Phys its fund	ics , amental pla	Use By ace in the pr	area duction	Materials and characte	Purposef erization s	ul select tages	ion of the p To be able	roduct to is	Unders intended	standing 1.	
Material:	<b>1)</b> Fundam	H. Fredriks entals of Sol	son, U. Akerl id State Phys	ind, Physi sics, Daisy	cs of Functior Science, 2010	nal Material ).	ls, John V	Viley & Sons,	2008.	2) E	Akat,	
Student												
Responsibility	Attendi	ing classes, s	ubmitting ass	signments	on time, and p	participating	g in exam	IS.				
:												
	Week	Topic									Method	
	1	Atom and molecule, subatomic particles and Atomic models								YY		
	2	Crystalline and amorphous structures								YY		
	3	Types of crystal lattices and crystal defects									YY	
	4											
	6	Semiconductors Semiconductors elementary and advanced knowledge of optics										
Weekly Lesson	7	Semiconductors Semiconductors elementary and advanced knowledge of optics										
Plan	8	Magnetic properties (Paramagnetism )									YY	
	9	Magnetic Properties (Diamagneticity and Ferromagnetism)									YY	
	10	Investigation of heat and temperature and thermal properties								YY		
	11	Dielectric concept and dielectric properties									YY	
	12	Introduction to the basic physical properties of matter									YY	
	13	Physical characterization methods used in materials analysis What an overview										
	14	General evaluation of X-ray diffraction (XRD)									YY	
			Method							Number	weight % 5	
Assessment and Evaluation		Exam	Face							1	0	
	Break	Quiz	-							-		
	Exam	Homework	-									
		Project	-							-	-	
	L .											
	General Exam	Face								1	% 5 0	
	1	Acquires knowledge on the fundamental and general aspects of physics, with a primary focus on solid- state physics, atomic and molecular physics.										
Course	Gains knowledge on how the properties of materials change under different physical conditions								s.			
Outcomes:	3	It is understood which physical feature is associated with which technological expectation.										
	4 Using knowledge of physics, they can choose, design and research an original study topic.											
	5 Able to conduct independent research.											
Course-Specifi	c Explan	nations:										

V N I V C S S S S S S S S S S S S S S S S S S	T.C. Firat University <b>Course Syllabus Form</b>	Document No Publication Date Revision Date Revision No	Едтм – 0001 13.09.2021 - 0
UE: Distance Education; YY: Face-t	o-Face Education		