N N V	\$SIT P			Co	T.C. Firat Univei ourse Syllab	rsity us Form			Document N Publication I Revision Dat Revision No	To F. Date 1 te - 0	<u>GTM - 0001</u> 3.09.2021		
Code and	FIZ5070 THEORY OF DISORDERED MATTER												
Name: Unit:	Graduate	School of Nat	tural and Ap	plied Scien	ices								
Detail:	Period:	2023-2024	Status:	Optional	Class: 1	Credits:	3-0-0-3	ECTS: 6	Language	Turkis	h		
		INSTRUCTO	R					COURSE AS	SSISTANT				
Title, Name ar	ld Surnam	e:				ſitle, Name	and Surna	ime:					
	e:	Phone:											
C	il:			C	Email:								
SOC Student De	ial Accoun	it:				Student I	Ocial Acco	unt:					
Student Da	y anu mi	e.				Student I		e:					
Lessons	Monday		Tuesday W		Wednesday	Thur	Thursday Friday		ay	y Satu			
Program:													
Rendering: Place:	YY: Ph	veice I ab			UE:								
1 1400.	··· · ·	ysics Lab.	_		UL.								
Purpose:	To expl disorder	lain fundame red systems.	ental concept	ts for those	e interested in	theoretical	solid-stat	te physics an	ld to provid	e inform	nation on		
											x 7°1		
Material:	1) M	J M. LIISNIIS, S. A. Pastur and L. A. Pastur, Introduction to the Theory of Disordered Systems, A Wile erscience Publication John Wiley& Sons, 1988, 2) I M Ziman, Models of Disorder, Combridge University											
	Press. C	nerserence rubheauon, John whey&Sons, 1988. 2) J.W Zhnan, Wodels of Disorder, Cambridge University Press Cambridge 1979											
Student	11000, 0		.,,,,										
Responsibility													
	Week	Topic									Method		
Weekly Lesson Plan	1	Introduction to Ordered and Disordered Materials							YY				
	2	Elements of Band Theories of Solids								YY			
	3	Classification and General Properties of Disordered Systems									YY VV		
	5	Multiple Scattering Theory									YY		
	6	Multiple Scattering and Band Structure Calculation Methods Y											
	7	Multiple Scattering and Band Structure Calculation Methods Midterm Exam								YY VV			
	9	Disordered Alloys							YY				
	10	Electronic Structure of Disordered Systems							YY				
	11	Electrons in Disordered Systems							YY				
	12	Band Structure of Periodic and Disordered Solids								YY			
	14	Amorphous	and Liquid Se	emiconduct	ors						YY		
			Method							Number	Weight		
Assessment and Evaluation		Exam								1	%50		
	Break	Quiz								-	-		
	Exam	Project								-	-		
		Troject								-	-		
	General									1	%50		
	Exam									1	7050		
Course	1	Fundamenta	l Information	n on the Pro	perties of Diso	rdered Mater	rials						
	2	Understanding the Electronic Structure of Disordered Systems											
Outcomes	3												
	4												
Course-Specif	5 ic Evplar	ations											
IIF: Distance	ducation	VV Face to	-Face Educ	ation									
JE. Distance I	Juucation	, 11 .1 ace-u	o race Built	ation									

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	FIRAT UNIVERSITY	Publication Date	13.09.2021
		Revision Date	-
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