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Name:	FIZ5260 ADVANCED SOLID-STATE PHYSICS Graduate School of Natural and Applied Sciences						
		2023-2024 Status: Optional Class: 1 Credits: 3003 ECTS: 6 Language	e: Turkish	l			
Title, Name an Soci Student Day	d Surname Phone Emai al Accoun	e: Phone: l: Email: t: - Social Account:					
Lessons Weekly Program:	Mon		Satu	rday			
Rendering: Place:		-face lessons per week 3 It will be done on an hourly basis. ace-to-face UE: -					
Purpose:	To comp	rehensively examine Solid State Physics, which forms the foundation of applied physics.					
Material:	Solid St	ate physics, Şakir AYDOĞAN, Solid State PHYSICS J.R. HOOK					
Student Responsibility :	Conducti	ng Research Before and After the Lecture.					
Weekly Lesson Plan	Week	Торіс		Method			
	1	Solid State Introduction to physics, the importance of the course		YY			
	2	Amorphous and crystalline Ingredients		YY			
	3	Crystal, braid, base definition		YY			
	4	Types of crystal mesh					
	5	Heat capacity models					
	6 7	Insulator, semiconductor and conductive materials					
	8	Energy Band Diagram Electrical conductivity Image: Conductivity					
	9	Thermal conductivity -Midterm Exam					
	10	Dielectric Ingredients					
	11	Magnetic Ingredients					
	12	Superconductivity					
	13	Solid State The importance of physics in physical science		YY			
	14	Solid State The importance of physics in materials science		YY			
		Method	-	Weight			
		Exam Face	1	% 50			
Assessment and	Break	Quiz - Homework	-				
Evaluation	Fyam	Project -	_	_			
			_				
	General Exam	Face	1	% 5 0			
Course	1	Distinguish between crystalline and non-crystalline materials					
	2	Understands the importance of heat capacity modeling					
Outcomes:	3	Identifies solid materials according to their electrical properties					
	4 Understand the working mechanism in magnetic, superconducting materials						
Comment Comment	5						
Course-Specifi	_	ations: ; YY: Face-to-Face Education					
DE: DISTAILCE E	uutation	, דד. רמנכ-נט-רמנל בעענמוטוו					

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