Code and				
Code and Name: FIZ5710 CRYSTALLOGRAPHY OF SHAPE-MEMORY ALLOYS				
Name:				
Unit: Graduate School of Natural and Applied Sciences Detail: Period: 2023-2024 Status: Optional Class: 1 Credits: 3-0-0-3 ECTS: 6 Language: T	nhiak			
Detail: Period: 2023-2024 Status: Optional Class: 1 Credits: 3-0-0-3 ECTS: 6 Language: T	IIKISI	1		
INSTRUCTOR COURSE ASSISTANT				
Title, Name and Surname:				
Phone: - Pho				
Social Account: - Social Account: -				
Student Day and Time: - Student Day and Time:				
Lessons Monday Tuesday Wednesday Thursday Friday	Satu	rdav		
Weekly				
Program: -				
Rendering: Face-to-face lessons per week 3 It will be done on an hourly basis.				
Place: YY: UE: -				
Purpose: To provide students with the basic background of shape memory alloys, which are from the smart mater				
Material: 1) Shape Memory Alloys , HIROYASU FUNAKUBO 2) Phase Transformations in Metals and Alloys, D.A.PO K.E.EASTERLING	TER	and		
K.E.EAS I ERLING				
Student Responsibility				
Responsibility				
Week Topic		Method		
1 Obtaining Phase Diagrams and Information Obtained from Diagrams 2 Diagrams for a size		YY		
2 Phase Transformations		YY		
	Martensitic Phase Transformations and Types YY Bain Distortion and fcc_bcc(bct) bcc_bcc(fct) and bcc_bcrthorhombic transformations VV			
	Bain Distortion and fcc \rightarrow bcc(bct), bcc \rightarrow fcc(fct) and bcc \rightarrow orthorhombic transformationsYYPain Distortion and fcc \rightarrow bcc(bct) bcc \rightarrow fcc(fct) and bcc \rightarrow orthorhombic transformationsYY			
	Bain Distortion and fcc→bcc(bct), bcc→fcc(fct) and bcc→orthorhombic transformationsYYShape Recall and Crystallography in β-Phase AlloysYY			
Weekly Lesson	Shape Recall and Crystallography in β-Phase Alloys Super braids			
Plan	• •			
	8 MIDTERM EXAM 9 The Mechanism of the Shape Percell Event			
10 Relationship Between Electron Concentration and Shape Remembering Alloys				
10 Relationship between bleet on concentration and shape kentembering rineys 11 Classification of Shape Recall Alloys				
12 Basic Analysis Methods Used in the Investigation of Shape-Remembered Alloys		YY YY		
13 Uses of Shape Recall Alloys		YY		
14 Literature Review		YY		
	nber	Weight		
Exam Face	1	%50		
Quiz -	-			
Assessment and Break Homework				
Evaluation Exam Project -	-	-		
General Face	1	%50		
Exam				
1 To give the basic background about shape-remembered alloys and to gain the ability to evaluate the bresults obtained from these alloys before.	asic a	nalysis		
Course 2 Outcomes: 3				
4				
5				
Course-Specific Explanations:				
UE: Distance Education; YY: Face-to-Face Education				

	T.C. Firat University	Document No Publication Date		
		Revision Date	-	
··· 1975 ···	Course Syllabus Form	Revision No	0	