N NIV	4 SIT	T.C.Document NoF.G.FIRAT UNIVERSITYPublication Date13						GTM - 0001 3.09.2021
1975	Course Syllabus Form Revision Date Revision No							
Code and			DUATADANEL	c			1	
Name:								
Unit: (Detail:	Poriod:	chool of Nati	status: Opti	ences	Credite: 2003	ECTS: 6 Lan	guago, Turkick	
renou: 2023-2024 Status: Optional Class: 1 Credits: 3-0-0-3 EC15: 6 Language: Turkish								1
INSTRUCTOR COURSE ASSISTANT								
Thtle, Name and Surname:					Phone:			
Email:					Email:			
Social Account:					Social Account:			
Student Da	y and Tim	e:			Student Day and Tin	ne:		
Lessons	Monday		Tuesday Wednesday		Thursday Friday Sat			rdav
Weekly								
Program:	jram:							
Rendering:	The cour	Purse will be conducted face-to-face for 3 hours per week.						
Purpose:	er To provide graduate students with a fundamental background in Solar Energy and Applications							
Material: The course will be taught using books and lecture notes.								
Student Responsibility :	ıt ty							
	XAZ I-	Terrie						Mathad
Weekly Lesson Plan	week	Topic M						Method
	1	Structural Properties of the Sun.						YY
	2	Electric Current, AC Current, DC Current, PN Junctions						YY
	3	Concept of Energy and Its Types Y						YY
	4	Solar Radiation, Electromagnetic Spectrum, Photon Concept						YY
	5	Solar Energy, Technological Applications of Solar Energy, and Its Areas of Use Y						YY
	6	Project Planning of Solar Energy Applications in Various Fields Y						YY
	7	Cooling with Solar Energy						YY
	8	Midterm Exam						YY
	9	Storage of solar energy						YY
	10	Direct conversion of solar energy into electrical energy and solar cells						YY
	11	What is Efficiency and How Can It Be Improved?						YY
	12	Thermal stability and chemical stability factors						YY
	13	The principle of operation and design of solar panels						YY
	14	General rev	iew and achievemen	it evaluation			Viere la cer	YY
Assessment and Evaluation		Evam	Method Face to face					
		Exam	It will not be done				1	%05.0
	Break Exam	Homowork	Activities will be given before and after the midtern evam 2					
		Project	It will not be issued			_		
		110jeet	It will not be issued	J				
	General Exam	Face-to-face	<u>9</u>				1	%5 0
Course Outcomes:	1	To have ger	neral knowledge abo	ut the subject.			I	
	2	To learn the formulas, equations and proofs related to the course content and subject.						
	3	To learn the applicability of the achievements obtained in scientific studies.						
	4	To understand its applicability and usability in the branches of physics and other sciences.						
	5							
Course-Specific Explanations:								
UE: Distance Education; YY: Face-to-Face Education								