



Code and Name: FİZ5210 SOLAR ENERGY AND ITS APPLICATIONS

Unit: Graduate School of Natural and Applied Sciences

Detail: **Period:** 2023-2024 **Status:** Optional **Class:** 1 **Credits:** 2 2 0 3 **ECTS:** 6 **Language:** Turkish

INSTRUCTOR

Title, Name and Surname:

Phone:

Email:

Social Account: -

Student Day and Time: -

COURSE ASSISTANT

Title, Name and Surname:

Phone:

Email:

Social Account:

Student Day and Time:

Lessons Weekly Program:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			-			

Rendering: Face-to-face lessons per week 4 It will be done on an hourly basis.

Place: YY: UE:

Purpose: Learning about solar energy as a clean energy source and some of its application areas

Material: Solar Energy and Its Applications, H. Öztürk, Birsen Publishing House, 2012

Student Responsibility : Conducting Research Before and After the Lecture.

Weekly Lesson Plan	Week	Topic		Method	
	1	Data on the sun and solar radiation		YY	
	2	General characteristics of solar radiation		YY	
	3	Sunlight Detection and measurement		YY	
	4	Resource efficiency calculation for solar energy		YY	
	5	Thermal radiation		YY	
	6	Heat conduction concepts		YY	
	7	Thermal conversion of solar energy		YY	
	8	Collection of solar energy; plane and different types of collectors		YY	
	9	ARASINAV		YY	
	10	Solar distillers		YY	
	11	Uses of solar energy-I		YY	
	12	Uses of solar energy-I I		YY	
	13	Solar energy efficiency and its advantages		YY	
	14	Other applications for solar energy		YY	
Assessment and Evaluation	Method			Number	Weight
	Break Exam	Exam	Face	1	% 50
		Quiz	-	-	
		Homework			
		Project	-	-	-
	General Exam	Face		1	% 50
Course Outcomes:	1	Awareness of solar energy as a clean energy source			
	2	Ability to obtain energy from the sun			
	3	Ability to use the sun efficiently as an energy source			
	4				
	5				

Course-Specific Explanations:

UE: Distance Education; YY: Face-to-Face Education



T.C.
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Course Syllabus Form

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