

Code and Name: FİZ5770 NEW ENERGY SOURCES

Unit: Graduate School of Natural and Applied Sciences

Detail: **Period:** 2023-2024 **Status:** Optional **Class:** 1 **Credits:** 3 0 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 3 It will be done on an hourly basis.

Place: YY: Face-to-face UE: -

Purpose: New sources of energy

Material:

**Student
Responsibility**

Weekly Lesson Plan

Week	Topic	Method
1	High Solar energy, R Sad energy, Wave energy, Geothermal energy,	YY
2	Energy production from biomass	YY
3	Energy obtained from the temperature difference in the oceans	YY
4	Hydrogen energy	YY
5	Nuclear energy. Energy sources	YY
6	E Types and classification of energy, Principles of renewable energy	YY
7	G solar energy, sun-earth geometric relations, geothermal energy, types of geothermal energy	YY
8	Solar radiation, solar collectors, solar heating and cooling systems	YY
9	Photovoltaic energy conversion	YY
10	Hydrogen energy production, storage and utilization, Hydraulic energy, wave and tidal energy, geothermal energy	YY
11	Steam-borne, water-borne geothermal systems and other geothermal systems	YY
12	Wind energy, principles of wind energy, types of wind turbines, Biofuels, Classification of biofuels	YY
13	Biogas, vegetable oils, methods of obtaining and use as fuel	YY
14	The relationship between energy and environment. Preparation of temperature superconductors , Other Types of 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	
2	
3	
4	
5	

Course-Specific Explanations:

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



T.C.
FIRAT ÜNİVERSİTESİ
Ders İzlenesi Formu

Doküman No	EGTM – 0001
Yayın Tarihi	13.09.2021
Revizyon Tarihi	-
Revizyon No	0