



Code and Name: FİZ5040 DYNAMIC PROCESSES IN THE ATMOSPHERE

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: Department of Physics Electromagnetic Wave Laboratory UE: -

Purpose: Investigation of physical and chemical processes in the atmosphere

Material: Plasma Physics Book

Student Responsibility:

Weekly Lesson Plan	Week	Topic			Method	
	1	Diffusion Equation			YY	
	2	Diffusion Coefficients			YY	
	3	Molecular Mass Diffusion			YY	
	4	Thermal Diffusion			YY	
	5	Physical Processes in the Upper Atmosphere			YY	
	6	Hydrogen Ion			YY	
	7	Helium Ion			YY	
	8	Ion Density Distributions			YY	
	9	Diffusion Equilibrium			YY	
	10	Miscarriage And High-Speed Plasma Streams			YY	
	11	Thermal Processes in the Upper Atmosphere			YY	
	12	Energy Equilibrium Equations			YY	
	13	Plasma Irradiations			YY	
	14	Electron And Energy Losses of Ions, Plasma Thermal Conductivity			YY	
Assessment and Evaluation	Method				Number	Weight
	Break Exam	Exam	Face		1	% 50
		Quiz	-		-	
		Homework	-			
		Project	-		-	-
General Exam	Face			1	% 50	
Course Outcomes:	1	Internal dynamics of the atmosphere				
	2	Interaction of the atmosphere with external processes				
	3					
	4					
	5					

Course-Specific Explanations:

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



T.C.
FIRAT UNIVERSITY
Course Syllabus Form

Document No	EGTM - 0001
Publication Date	13.09.2021
Revision Date	-
Revision No	0