



**Code and Name:** FİZ5610 INTRODUCTION TO PLASMA PHYSICS

**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: UE: -

**Purpose:** Extraction of Wave Equations in Plasma media and Application to Some Media

**Material:** Plasma Physics Book

**Student Responsibility:**

Week	Topic	Method
1	Hall plasma	YY
2	Properties that distinguish the plasma state from other states and their comparison	YY
3	Movements of charged particles in electric and magnetic fields	YY
4	Manyatayonic Taeri	YY
5	Plasma Conductivity , Mobility	YY
6	Continuity equations in plasma	YY
7	Thinking of plasma as a mixture	YY
8	Transport processes in plasma	YY
9	Electrical behavior of plasma	YY
10	A brief overview of wave-plasma interaction	YY
11	Structure of ionpherical plasma	YY
12	Sound waves in plasma	YY
13	Miscarriage Frequency Waves	YY
14	What we learned and summary	YY

Assessment and Evaluation	Method			Number	Weight
	Break Exam	Exam	Face	1	% 50
		Quiz	-	-	
		Homework	-		
		Project	-	-	-
	General Exam	Face			1 % 50

Course Outcomes:	1	Definition of plasma and plasma parameters
	2	Study of wave behavior in plasma media
	3	
	4	
	5	

#### Course-Specific Explanations:

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



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FIRAT UNIVERSITY  
**Course Syllabus Form**

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