

T.C. FIRAT UNIVERSITY

Course Syllabus Form

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

Code and Name: Unit:

FIZ5430 MAGNETOHYDRODYNAMIC

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				
-				
-				
-				
-				
717	Tuesday	Wedn		
	-	-		

COURSE ASSISTANT

Title, Name and Surname:

Phone:

Email:

Social Account:

Student Day and Time:

Lessons	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weekly						
Program:			-			

Rendering: Place:

Face-to-face lessons per week 3 It will be done on an hourly basis.

YY: Department of Physics Electromagnetic Wave Laboratory

UE:

Purpose:

Extraction of fluid equations for charged particles

Material: Plasma Physics and Lecture notes

Student Responsibility

	Week	eek Topic			Method	
Weekly Lesson Plan	1	Fluid approach to plasma			YY	
	2	Equation of motion for charged particles in fluid approximation			YY	
	3	Conductiv	Conductivity and current density			
	4	Solution of motion equations and wave equations together			YY	
	5	Low-frequency waves			YY	
	6	Phase and group velocities of low-frequency waves				
	7	Separation relations				
	8		namic approaches		YY	
	9	Movemen	Movement in a frozen magnetic field			
	10	MHD App	MHD Approaches			
	11	Refractive index				
	12	Resonances, Interruptions				
	13	Numerical methods				
	14	Reviews and Summary				
			Number	Weight		
		Exam	Face	1	% 50	
	Break	Quiz	l -			
Assessment and		Quiz		-		
		Homework				
Evaluation	Exam	,	-	-	-	
	Exam	Homework Project	-	-	-	
		Homework	-	- 1	- % 5 0	
	Exam General	Homework Project Face	-			
Evaluation	Exam General Exam	Homework Project Face	-			
Evaluation Course	Exam General Exam	Homework Project Face	-			
Evaluation	Exam General Exam 1 2	Homework Project Face	-			
Evaluation Course	Exam Seneral Exam 1 2 3	Homework Project Face	-			

Course-Specific Explanations:

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



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