Code and Name: Unit: Detail:		atural and Applied	Cours INEAR PL Sciences		vers abu W	s Form	3-0-0-3	FCTS: 6	Document No Publication Da Revision Date Revision No	- 0
Detail: Period: 2023-2024 Status: Optional INSTRUCTOR Title, Name and Surname: Phone: Email: Social Account: - Student Day and Time: -				Class.		1 Credits: 3-0-0-3 ECTS: 6 Language: Turkish COURSE ASSISTANT Fitle, Name and Surname: Phone: Email: Social Account: Student Day and Time:				
Lessons Weekly Program:	Monday	Tuesday	Wedn	esday		Thursd	-	Friday	/	Saturday
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:	Derivation of Linea	r and Nonlinear V	<mark>Vaves in Plas</mark>	ma Mec	liun	n.				
Material:	Plasma Physics B	ook and lecture	notes							
Student Responsibility :										

Weekly Lesson Plan	Week	Topic					
	1	Linear and Nonlinear plasma waves					
	2	High and Low frequency approximations					
	3	Ordinary, Extraordinary and Polarized waves in plasma					
	4	Alfve n waves					
	5	Electromagnetic Waves in Plasma Polarization					
	6	Kinetic theory of plasma waves					
	7	Low-frequency waves					
	8	Analysis of low-frequency waves					
	9	Sound waves					
	10	Electron wave					
	11	Ion wave					
	12	Counterparts in the ionosphere					
	13	Whistling waves					
	14	What we learned and summary					
			Method	-	Weight		
		Exam	Face	1	% 50		
According to an d	Break Exam	Quiz	-	-			
Assessment and Evaluation		Homework	-				
Lvuluution		Project	·	-	-		
	General Exam	Face 1					
	1	Ability to deduce Wave Equations in any medium					
	2	Internalization of some concepts in equations					
Course Outcomes:	3	Comprehension of Phase and Group velocities					
outcomes.	4	Reduction of wave equations depending on various conditions					
	5						
Course-Specific	Explan	ations:					
UE: Distance Ed	lucation	; YY: Face-to	p-Face Education				

UNIVE	ТС	Document No	Естм - 0001
	FIRAT UNIVERSITY	Publication Date	13.09.2021
		Revision Date	-
	Course Syllabus Form	Revision No	0