T.C.
FIRAT UNIVERSITY
Course Syllabus Form

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

Code and Name:	**FİZ5120 ELECTRODYNAMICS IN DIFFERENT ENVIRONMENTS**
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		COURSE ASSİSTANT	
Title, Name and Surname:		Title, Name and Surname:	......
Phone:		Phone:	......
Email:		Email:	......
Social Account:		Social Account:	......
Student Day and Time:		Student Day and Time:	......

Lessons Weekly Program:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			-			

Rendering:	.	
Place:	YY:	UE: -

Purpose:	Wave Equations achieve in damped and damped environments
Material:	Plasma Physics Book
Student Responsibility:	

Weekly Lesson Plan

Week	Topic	Method
1	Reflection of Electromagnetic Wave Perpendicular to a Perfect Conductor	YY
2	Reflection of perpendicular electromagnetic wave on a lossless dielectric medium	YY
3	Reflection and refraction of an electromagnetic wave incident at an arbitrary angle to a dielectric medium	YY
4	Reflection and Refraction of Electromagnetic Waves Incident at a Right or Arbitrary Angle in Multiple Dielectric Media	YY
5	Linear, Circular and Elliptical Polarization of Electromagnetic Waves in Any Medium	YY
6	TE, TM and TEM Modes of Electromagnetic Waves in a Parallel Plate Environment	YY
7	Propagation of Electromagnetic Waves in an Ionized Gas and Plasma, Electrostatics, Gauss's and Coulomb's laws	YY
8	Multipoller	YY
9	Electrostatics in macroscopic media	YY
10	Magnetostatic and vector potential	YY
11	Time-bound ones	YY
12	Boundary value problems	YY
13	Problem Solutions	YY
14	Evaluation 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	Ability to deduce Wave Equations in any medium
2	Internalization of some concepts in equations
3	Comprehend the approaches in solving wave equations
4	Reduction of wave equations depending on various conditions
5	

Course-Specific Explanations:

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

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