



Code and Name: FİZ5390 CLASSICAL MECHANICAL METHODS

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: Solutions of some functions in classical mechanics

Material: Lecture notes

Student Responsibility:

Weekly Lesson Plan

Week	Topic	Method
1	Conversion Matrix Formulation	YY
2	Euler Teoremi	YY
3	Tensors And Diyadikler	YY
4	Euler Hareket Denklemleri	YY
5	Special Relativity	YY
6	Lorentz Dönüşümü	YY
7	Four-Dimensional Covariance Formulations	YY
8	Kovaryan Lagrangiyen Formülasyonlar	YY
9	Proplem Çözümü	YY
10	Homogenous Functions	YY
11	Phase Space And Hamiltonyen Denklemleri	YY
12	Application	YY
13	Hamiltonyen Jacobi Teoremi	YY
14	What 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	Analysis of equations of motion and their solutions
2	
3	
4	
5	

Course-Specific Explanations:

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



T.C.
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Course Syllabus Form

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