



Code and Name:

FİZ5380 INTRODUCTION TO CLASSICAL MECHANICS

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Weekly

Program:

-

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:

Study of the motion of bodies according to the inertial and inertial reference system

Material:

Classical mechanics textbook and lecture notes

Student

Responsibility

:

Weekly Lesson Plan	Week	Topic		Method	
	1	System of particles		YY	
	2	D Alambert Policy		YY	
	3	Lagrangian equations and applications		YY	
	4	Hamilton's principle		YY	
	5	Conservation Theorems		YY	
	6	two Centripetal force problem for body		YY	
	7	Kepler problems		YY	
	8	reverse The law of square force		YY	
	9	solid Object Motion		YY	
	10	Dynamics of rigid bodies		YY	
	11	Kinematics of solid bodies		YY	
	12	Analytic for Lagrange's equation Meto		YY	
	13	Motion in systems with acceleration		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	To comprehend how to solve the equations of motion of objects			
	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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