Course Information								
Course Code	**T**	**P**	**L**	**C**	**ECTS**	**Type** C/E	**Language** TR/ENG etc.	**Year/Semester**
FİZ1101	**4**	**2**	**0**	**5**	**8**	**C**	**TR**	**1/FALL**
Course Name (Turkish**)**	**Genel Fizik -I**							
Course Name (English**)**	**General Physics-I**							

Unit/Program	Physics Undergraduate Program
Course Prerequisite	No
Course Objectives	Teaching students the concepts of mechanical physics
Course Outline	Mechanics Physics
Textbook/ Material / Resources	Physics for Science and Engineering I. (Serway Physics)
Internship Status	No

Course Precedents

University Name	**Program Name**	**Course Name**	**T-P-L-C; ECTS**	**Type**
Gebze Technical University	**Physics**	**Physics I**	**3-0-0-4-6**	**C**
Osmangazi University	**Physics**	**Physics I**	**4-2-0-5-7**	**C**

The instructor who proposed the course (Title, Name and Surname)	*Signature*
Instructors who can teach the course (Title, Name and Surname)	*Signature*

Academic justification for the opening of the course? (The effect of course outcomes on program outcomes, etc.)

Updating ECTS for FIZ101 course

Brief explanation of the course (theoretical lecture, applications, laboratory, studio, off-campus activity, using software, etc.)

It will be taught by the relevant Faculty Member in a face-to-face classroom environment.

External Stakeholder Opinions About the Course (It is expected that the opinions to be obtained from the business world that will employ your graduates or from real or legal persons outside the University who have expertise on the subject of the course will be specified. Proof documents must be attached to this form.)

Stakeholder Name	**Opinion** (It should be given as a summary, it should not exceed two lines.)

Weekly Course Content Distribution		
Week	**Theory**	**Application/Laboratory**
1	Unit Systems, Vectors	
2	Movement in One Dimension	
3	Movement in Two Dimensions	
4	Circular Motion	
5	Newton's Laws of Motion	
6	Applications of Newton's Laws of Motion	
7	N.H.K Applications of Circular Motion	
8	Work, Power & Energy	
9	Midterm Exam	
10	Conservation of Energy	
11	Impulse and Momentum	
12	Collisions in two dimensions, three dimensions	
13	Angular Momentum and Rotational Motion	
14	Rigid Body and Equilibrium, Center of Gravity	
15	Final Exam	
16		

Assessment			
Evaluation Criteria	**Activity**	**Custom**	**Contribution to Success Grade (%)**
	Midterm Exams	1	40
	Quizzes		
	Assignments		
	Projects		
	Term Paper		
	Laboratory		
	Other		
	Final Exam	1	60
		Sum:	100
Remarks			

Content Design and Subject Weight (%)	Mathematics and Basic Sciences	50
	Engineering Sciences	50
	Social Sciences	
	Health Sciences	
	Educational Sciences	
	Culture and Art Sciences	
	Design Information	

Workload (ECTS) Calculation			
Events	**Number**	**Duration (Hours)**	**Total workload (Hours)**
Fieldwork			
Midterm Exam Application	1	2	2
Self-Study (including pre-class and exam preparation)	14	2	28
Make-up Exam	1	2	2
Experiment and Observation			
Class Participation (Theory)	14	6	84
Homework			
Final Exam Practice	1	2	2
Laboratory			
Article Review			
Writing an Article			
Reading			
Case Study			
Performance			
Problem Solution	14	2	28
Project Preparation			
Project Submission			
Quiz			
Report Preparation			
Submitting Reports			
Role/Drama Work			
Seminar			
Oral Exam			
Team/Group Work	14	4	56
Argument			
Application/Practice			
Other			
TOTAL WORKLOAD:			**202**
ECTS CREDİTS OF THE COURSE: *(The number obtained as a result of Total Workload/25 is calculated by rounding to the whole number.)*			**8**

Program Outcomes (PO) / **Learning Outcomes (LO)** *(Course Outcomes)*		1	2	3	4	5	6	7	8	9	10	11
1	To be able to explain the basic concepts of mechanics.	**5**	**5**	**5**	**3**	**3**	**1**	**5**	**5**	**5**	**5**	**3**
2	To be able to apply general principles of physics in solving physics problems.	**5**	**5**	**5**	**5**	**2**	**1**	**5**	**5**	**5**	**4**	**5**
3	To be able to make mathematical solutions with physics concepts, to explain, to interpret, to gain the skills	**5**	**5**	**5**	**4**	**5**	**1**	**5**	**5**	**5**	**3**	**4**

Organizer: Prof. Dr. Fethi DAĞDELEN
Preparation Date: 20.05.2024