COURSE DESCRIPTION							
Course and and title	PHYS103,PHYSICS I						
Course code and title							
Course Semester	1						
Course Content	sics and Measurement, Motion in one dimension, Vectors, Move in dimensions, Acts of Motion, Circular Motion and Newton's Laws, k and Kinetic Energy, Potential energy and conservation of energy, ear momentum and collisions, Rotation of rigid bodies around a fixed , Rolling Motion and Angular Momentum, Static Equilibrium and ibility, Vibration Motion and Gravity Law						
Recommended or Required Reading	Fen ve Mühendislik için Fizik I, Editör: Kemal ÇOLAKOGLU Physics For Scientists and Engineers with Modern Physics, R.Serway, Saunders College Publishing, 1990.						
Recommended or Required Reading							
Credits of Course (ECTS)	6						
Prerequisites	Lectures must be attended by students						
Type of Course	Basic Science Education						
Language of Instruction	English						
Purpose and Object of the Course	Examination of basic mechanical phenomena in the nature and learning of basic concepts						
Learning Outcomes Of The Course Unit	The student who takes this course learns the bases of the mechanics. Learn techniques for solving mechanical problems In the theoretical and applied Physics-I course, students take preliminary abilities gained by solving a large number of problems. Understand and apply Newton's laws Learn mass gravity Learn vibration motion Learn the concepts of work and energy.						
Planned Learning Activities and Teaching Method	sFace to face						
Course Per Week	 Week: Physics and Measurement Week: Motion in One Dimension Week: Motion in Two Dimensions Week: Vectors Week: Vectors Week: Motion and Newton's Laws Week: Work and Kinetic Energy Week: Midterm Exam, Potential energy and conservation of energy Week: Linear momentum and collisions, Rotation of rigid bodies around a fixed axis Week: Rolling Motion and Angular Momentum Week: Static Equilibrium and Flexibility Week: Vibration Motion Week: Gravity Law Week: Final 						
Workload	Theoretical Study Hours of Course Per Week: 4hours Practising Hours of Course Per Week:0 Reading:2 hours Searching in Internet and Library:2 hours Designing and Applying Materials:0 Preparing Reports: 0 Preparing Presentation:0 Presentation:0 Mid-Term and Studying for Mid-Term: 10 hours Final and Studying for Final: 10 hours						

		Sayı		Toplam Katkısı				1		
Assessment Methods And Criteria				(%)			b)			
	Mid-terms		1		40				_	
	Assignment		0						_	
	Exercise		0						-	
	Projects		0						-	
	Practice 0							-		
	Quiz									
	Contribution of In-term Studies to Overall Grade (%)									
	Contribut Examinat Grade (%	Contribution of Final Examination to Overall Grade (%)			60					1
	Attendand	ce		0						
	Activities			To nun (we	Total number of weeks		(W	Time (Weekly)		Total efficiency at the end of the semester
Efficiency	Theoretical Study Hours of Course Per Week			14	14			4		56
	Practicing Hours of Course Per Week			C	0			0		0
	Reading			14	14			2		28
	Searching in Internet and Library			14	14			2		28
	Designing and Materials, Applying			0	0 0			0		0
	Preparing Reports			C	0			0		0
	Preparing Presentation			0	0 0			0		0
	Presentation			0	0 0			0		0
	Mid-Term and Studying for Mid-			1	1 10			10	1	10
	Term									
	Final and Studying for Final			1			10		10	
	Other			5			2		10	
	TOTAL WORKLOAD								142	
	TOTAL WORKLOAD/ 25								5.68	
	ECTS of Course									6
	No PROGRAM LEARNI OUTCOMES			NG	1	2	3	4	5	_
Course's Contribution To Program	1 To be able to gain scientifi innovation skill.			с				х		
	2	2 To be able to make independent research and investigation.						х		
	3 To be able to earn clever observation and analytical							х		
	thinking skills.							v	\square	
	4 To be able to make an biological systems analizin			ıg				х		
	5	with physics law	/S.		-			x	$\left - \right $	
	5	basic science Ma Chemistry and F	athematic, Biology							
	6	To be able to gat teaching and lea	in ability o	of				х		
	7	To be able to un	derstand th	ne		\square		хx	H	
		importance of pl implementation	nysics cone and	cepts,						
		describtion.			l I	1				

	8	To be able to provide an understanding of natural phenomena with development of technology. To be able to gain thinking, creating, upgradability of discussion and suscitation	x	
	10	discussion and questioning skills.To be able to contribute to developments in the field of Nuclear Medicine ,Health Physics and Medical Physics.	x	
	11	To be ability to about computer-aided algorithm for solving problems and to become capable of writing programs.	x	
	12	To be ability to about access to information, present information and develop assessment.		
	Prof.	developing technology. Dr. Haluk KORALAY		
Name of Lecturer(s) and E-mail(s) of Lecturer(s)	koral	lay@gazi.edu.tr		