NEAR EAST UNIVERSITY - COMMON COURSES COORDINATION UNIT

				Ders Bilgi Form	u / Course Ii	nformation She	et			
Ders Kodu / Ders Adı / Course M Course Code General Physics I PHY101			Name			Kredi /Creo 4	lit	AKTS /ECTS 6		
Önkoşul / Pre-requisite: None					I		I			
Ders Dili / L English	anguage:	Ders Türü /Course Type: Must			Öğretim Ortamı / Mode of Instruction: Online					
Haftalık Ders Saati / Weekly	Sınıf Saati / Class Hours	ati / Labora ours r / Labora		uva Uygulama / Ö Practicum ory		ğrenim Oturumlaruı / Learning Sessions				
Hours	3	3		2	-	PÇ / PS	P/C	D / R	Ö / T	
Öğrenim Çıktıları / Learning Outcomes				 After the completion of this course, the student will be able to: ▶ Develop the knowledge of the concepts, theories, techniques and principles of classical mechanics ▶ Understand the diagrammatic and graphical representation of physics problems and physical data ▶ Improve their skills in correctly using symbols and units, analytically/critically applying the theoretical concepts and methods of mechanics and formulating appropriate equations to solve problems ▶ Improve their skills in applying the theoretical concepts and methods of physics and formulating appropriate equations to solve problems ▶ Improve the strength of students' creative and systematic thinking capability 						
Ders Tanımı / Course Description Dersin Amaçları / Course Objectives				This is an fundamental physics course for faculty of engineering. Its covers basic physics subjects of mechanics and electrostatics The objectives of this course are to provide the students with the fundamental principles of Mechanics to enable them to gain skills for problem solving and a scientific thinking, and to establish the foundations for further studies in engineering.						
Kullanılan Materyaller / Textbooks and/or References			Douglas C. Giancoli, Physics for Scientist and Engineers with Modern Physics, 4 th Edition, Printice Hall Materials on UZEM							
Ders İçeriği / Course Content			 Units and Vectors Kinematic in one dimension Kinematic in two dimension Dynamics (Newton's Laws) Applications of Newton's Laws Work and Energy Conservation of Energy Center of Mass and Linear Momentum Conservation of Linear Momentum and Collisions Rotational Motion Angular Momentum Conservation of Angular Momentum 							