

NEAR EAST UNIVERSITY – COMMON COURSES COORDINATION UNIT



Ders Bilgi Formu / Course Information Sheet

Ders Kodu / Course Code PHY100	Ders Adı / Course Name Physics	Kredi /Credit 3	AKTS /ECTS 4				
Önkoşul / Pre-requisite: None							
Ders Dili / Language: English		Ders Türü /Course Type: Must	Öğretim Ortamı / Mode of Instruction: Online				
Haftalık Ders Saati / Weekly Hours	Sınıf Saati / Class Hours	Laboratuvar / Laboratory	Uygulama / Practicum	Öğretim Oturumları / Learning Sessions			
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Öğretim Çıktıları / Learning Outcomes		<p>Bu dersin sonunda öğrenciler: After the completion of this course, the student will be able to:</p> <ul style="list-style-type: none"> ▶ Develop the knowledge of the concepts, theories, techniques and principles of classical mechanics and electrostatik ▶ 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 thermodynamics, fluid mechanics, radioactivity and formulating appropriate equations to solve problems ▶ Improve the strength of students' creative and systematic thinking capability 					
Ders Tanımı / Course Description		This is an introductory physics course for faculty of pharmacy. Its covers basic physics subjects of mechanics and electrostatics..					
Dersin Amaçları / Course Objectives		The objectives of this course are to provide the students with the fundamental principles of Mechanics, and Electricity to enable them to gain skills for problem solving and a scientific thinking, and to establish the foundations for further studies in dentistry.					
Kullanılan Materyaller / Textbooks and/or References		1	Douglas C. Giancoli, Physics for Scientist and Engineers with Modern Physics, 4 th Edition, Printice Hall				
		2	R. A. Serway and R. J. Beichner, "Physics for Scientist and Engineers with Modern Physics", 8 th Edition, Thomson Brooks/Cole				
Ders İçeriği / Course Content		<ol style="list-style-type: none"> 1. Units and Vectors 2. Motion in one Dimension 3. Motion in Two Dimension 4. Newton's Laws and Applications of Newton's Laws 5. Work 6. Energy and Energy Conservation 7. Electric Charge and Electric field 8. Current and Resistance 9. Ohm's Law 10. Direct Current Circuits 11. Direct Current Circuits 12. Magnetism 					