

NEAR EAST UNIVERSITY – COMMON COURSES COORDINATION UNIT



Ders Bilgi Formu / Course Information Sheet

Ders Kodu / Course Code CHM101	Ders Adı / Course Name General Chemistry	Kredi /Credit 4	AKTS /ECTS 5					
Önkoşul / Pre-requisite: None								
Ders Dili / Language: English		Ders Türü /Course Type: Compulsory		Öğretim Ortamı / Mode of Instruction: Face to face				
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"> ▶ Know and properly use the language of chemistry (nomenclature, terminology, and symbolic representations) ▶ Comprehend and be able to apply chemical facts, concepts, and models, and be able to ▶ Succeed in qualitative and quantitative problem solving skills. ▶ Think critically about the mutual impacts of science, society, natural resources, and the environment. 						
Ders Tanımı / Course Description		This course is designed as a one-semester course for freshman engineering students.						
Dersin Amaçları / Course Objectives		<p>Students who successfully complete this course will be able to:</p> <ol style="list-style-type: none"> 1. Develop fundamental principles of theoretical and applied chemistry 2. Develop scientific inquiry, complexity, critical thinking, mathematical and quantitative reasoning. 3. Explain phenomena observed in the natural world. 4. Develop basic laboratory skills. 						
Kullanılan Materyaller / Textbooks and/or References		<ol style="list-style-type: none"> 1 Chemistry Principles and Reactions (7th edition, 2012) by William L. Masterton and Cecile N. Hurley, Brooks/Cole Cengage Learning 2 CHM101 Lab Manual 						
Ders İçeriği / Course Content		Matter and measurement; atoms, molecules and ions; mass relations in chemistry, stoichiometry; gases; electronic structure and the periodic table; covalent bonding; thermochemistry; acids and bases.						