

General Chemistry

CHEM 121 – Chem 141, Electrical Engineering, 2019-2020 Fall Semestre

Instructor: Prof. Dr. Şerife Yalçın
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Lectures: **Wed: 9:45-11:30 Place: (Math-Z13)**
Thursday: 11:45 (Math-Z12)

Lab Hours: **Tues: 13:30 - 15:15**

Materials: **Textbook:** Petrucci, Harwood, Herring , Prentice Hall (2002)
General Chemistry: Principles and Modern Applications, 9th edition

Lab-book: Petrucci, Harwood
Experiments in General Chemistry, 7th edition

Available from: Pearson Education / İzmir Tıp Kitapevi Bornova

Objective of the course:

To provide a through background of fundamental concepts in chemistry.
To help students understand the relevance of chemistry to their career interests by providing real world examples of biological sciences, engineering and environmental sciences.
To sharpen student skills in problem solving and critical thinking

Course Outline:

1. Matter- Its properties and Measurement
2. Atoms and the Atomic Theory
3. Chemical Compounds
4. Chemical Reactions
5. Introduction to reactions in Aqueous Solutions
6. Gases
7. Thermochemistry
8. Electrons in Atoms

Course Grading and Examination Dates:

Mid Term I	November 13th, 2019	25%
Mid Term II	December 18th, 2019	25%
Final	to be announced	40%
Lab Final	to be announced	
Homework and Quizzes		10%