

CHEM 101 - General Chemistry I
Summer 2026

Instructor: Doç. Dr. Oktay Demircan (oktay.demircan@bogazici.edu.tr)

Office Hours: by appointment (Chemistry Department KB523)

Lecture Hours: T56, W56, Th56

Problem Session: Th78

Textbook: General Chemistry by Petrucci, Herring, Madura, Bissonnette **12th Ed.**

Topics Covered:

1. Electrons in Atoms (Ch 8)
2. Periodic Table and Some Atomic Properties (Ch 9)
3. Chemical Bonding I: Basic Concepts & Chemical Bonding II: Valence Bond and Molecular Orbital Theories (Ch 10 & Ch 11)
4. Gases (Chapter 6)
5. Liquids, Solids and Intermolecular Forces (Ch 12)
6. Solutions and Their Properties (Chapter 14)

Basis of Evaluation:

	Contribution	Exam Dates
Quizzes	10%	
Mid-Term I	25%	TBA
Mid-Term II	25%	TBA
Final Exam	40%	TBA

* A minimum average of 40 is required for two midterm exams in order to qualify to take final exam.

* There are no make-up and resit exams in the summer term.