KIM 101E GENERAL CHEMISTRY I

SYLLABUS

WEEK	DATE	TOPICS	QUIZZES
1	28 September – 2 October 2026	Matter and Its Properties, Atomic Theory	
2	5–9 October 2026	Electrons in Atoms, Periodic Table	Demo Quiz
3	12–16 October 2026	Chemical Compounds, Chemical Reactions	Quiz 1
4	19–23 October 2026	Reactions in Aqueous Solutions	Quiz 2
5	26–30 October 2026	Gases	
6	2–6 November 2026	Thermochemistry	Quiz 3
7	9–13 November 2026	Chemical Bonding-I	
	16–20 November 2026	**FALL BREAK**	
8	23–27 November 2026	Chemical Bonding-II	Quiz 4
9	30 November – 4 December 2026	Liquids, Solids and Intermolecular Forces	Quiz 5
10	7–11 December 2026	Solutions and Their Physical Properties	Quiz 6
11	14–18 December 2026	Chemical Equilibrium	Quiz 7
12	21–25 December 2026	Acids and Bases	Make-up Quiz
13	28 December 2026 – 1 January 2027	Spontaneous Change: Entropy and Gibbs Energy	

Text Book

General Chemistry, Principles & Modern Applications, R. H. Petrucci, F. G. Herring, J. D. Madura, C Bissonnette, Pearson Canada, Inc., 2023, 12th Edition

Supplementary Books: All General Chemistry Text Books

Exams

Quizzes	**Midterm**	**Final Exam**
It will be held in the last hour of the class.	December 12th 2026 Saturday – 12:00-14:00	Date will be announced at **sis.itu.edu.tr**
Quiz Administration • Quizzes will be administered at the end of each course. Quizzes can be accessed using a unique quiz code that identifies the course. • Quiz results for students whose names appear on the attendance list will be considered valid.	**Topics:** Matter and Its Properties, Atomic Theory, Electrons in Atoms, Periodic Table, Chemical Compounds, Chemical Reactions, Reactions in Aqueous Solutions, Gases, Thermochemistry, Chemical Bonding-I	All chapters
Grading: 20%	40%	40%

Important Notes

- All announcements and lecture notes related to the course will be shared through the Ninova system specific to your course and via the website www.kimya.itu.edu.tr. It is mandatory to regularly follow these platforms.
- The course grade will be calculated based on **20% Quizzes**, **40% Midterm Exam**, and **40% Final Exam**.
- Students are only allowed to attend the courses for which they are officially registered.
- To be eligible to take the **final exam**, students **must have attended at least 70% of the classes throughout the semester** and **must have taken the midterm exam**.
- **The "Examination Regulations for Faculty of Science and Letters" will be applied for both the Midterm and Final Tests.**

Course Website: kimyahavuz.itu.edu.tr

- Students can follow their weekly attendance records, quiz grades, and midterm and final exam grades at kimyahavuz.itu.edu.tr.
- Sample exams from previous semesters, with questions and answer keys, are available at kimyahavuz.itu.edu.tr for practice.

- Students are responsible for checking their attendance and grades regularly and reporting any discrepancy to their instructor in a timely manner.

Evaluation of Examination Scores

- The format of all examinations will be multiple-choice

The examination score is calculated by subtracting a quarter of the number of incorrect answers from the number of correct answers. If the resulting score is negative, it will be considered as 0 (zero).

Objection to Exam Results and Make-up Exams

- Students who wish to object to their exam results or apply for a make-up exam must submit an official document obtained from their faculty to **KIM 101 Coordinator, Assoc. Prof. Dr. Fuat Topuz (topuzf@itu.edu.tr)**.
- The PDF document on “Nomenclature of Chemical Compounds” is available on the Department of Chemistry website.

Attendance Requirement

- A minimum of 70% attendance is mandatory.
- Attendance will be taken at every lecture using the instructor's device or phone, which reads student ID cards.
- **Students must bring their student ID cards to every lecture; attendance cannot be recorded without the card.**

Quiz Policy

- Participation in the demo quiz, which will be available throughout the second week of the semester, is mandatory. This quiz will not affect your final grade.
- A quiz related to the day’s lecture content will be conducted at the end of each class.
- Quizzes will only be accessible with the special quiz code provided during the lecture.
- Only the quiz results of students whose names appear on the attendance list will be considered valid.
- Each student must participate in the quizzes using the CRN (Course Registration Number) for which they are officially enrolled.