

KIM 101E GENERAL CHEMISTRY I

SYLLABUS (2025-2026 Summer)

WEEK	DATE	COURSE	TOPICS	QUIZZES
1	29 June- 3 July 2026	1	Matter and Its Properties, Atomic Theory	
		2	Electrons in Atoms, Periodic Table	Demo Quiz
2	6-10 July 2026	3	Chemical Compounds, Chemical Reactions	
		4	Reactions in Aqueous Solutions	Quiz 1
3	13-17 July 2026	5	Gases	
		6	Thermochemistry	Quiz 2
4	20-24 July 2026	7	Chemical Bonding-I, Chemical Bonding-II	
		8	Liquids, Solids and Intermolecular Forces-I	Quiz 3
5	27-31 July 2026	9	Liquids, Solids and Intermolecular Forces-II, Solutions and Their Physical Properties	
		10	Chemical Equilibrium	Quiz 4
6	3-7 August 2026	11	Acids and Bases	
		12	Spontaneous Change: Entropy and Gibbs Energy	Quiz 5

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 week.	Date will be announced at kimya.itu.edu.tr/kimya-havuz	Date will be announced at sis.itu.edu.tr
Quiz Administration • Quizzes will be administered at the end of last course of the week. 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.

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 (Summer term), Prof. Dr. Muhammet Ü. Kahveci (kahvecimuh@itu.edu.tr)**.
 - The PDF document on “Nomenclature of Chemical Compounds” is available on the Department of Chemistry website.
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Attendance Requirement

- A minimum of 70% attendance is mandatory.
 - Attendance will be taken at every lecture.
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Quiz Policy

- Participation in the demo quiz, which will be available on Wednesday to Sunday in the first week of the semester, is mandatory. This quiz will **not** affect your final grade.
- A quiz related to the week’s lecture content will be conducted at the end of the last class of the week.
- 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.