Course Description Form

1. Course Name: General Chemistry
2. Course Code:
3. Semester / Year:1-2 2025/2026
4. Description Preparation Date:2025-2026
5. Available Attendance Forms: Daily attendance
6. Number of Credit Hours (Total) / Number of Units 2 Hours (Total) 30 week
7. Course administrator's name (mention all, if more than one name)
name: noor hasan nayel email :noor.hasan@alzahu.ed.iq

Course Objectives .8	
Course Objectives	**Introduce students to fundamental principles of chemistry** **Understand atomic structure and chemical bonding** **Develop problem-solving skills in chemistry** **Explain properties of matter and chemical reactions** **Prepare students for advanced scientific studies.**

9. Teaching and Learning Strategies	
Strategy	*Active review and testing: Test yourself regularly using flashcards or quizzes instead of simply rereading notes. This forces the brain to retrieve information, strengthening memory. *Spaced repetition: Review material in small, regular chunks over several days instead of intensive memorization. This helps transfer information to long-term memory. *Dual encoding (visual + verbal): Combine text with images. Draw diagrams, label blank anatomical maps, or use coloring books to link th names of structures to their visual representations. *Case-based learning: Apply knowledge to clinical scenarios (e.g., "How do chemical compounds affect food?") to understand chemistry instead of just memorizing lists.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Knowledge	The Atom & Structure	Use the whiteboard display	Daily exam and oral questi
2	2	Knowledge	Molecular Structure	Use the whiteboard display	Daily exam and oral questi
3	2	Knowledge	Chemical Bonding The	Use the whiteboard display	Daily exam and oral questi
4	2	Knowledge	States of Matter	Use the whiteboard display	Daily exam and oral questio
5	2	Knowledge	Solutions & Concentration	Use the whiteboard display	Daily exam and oral questi
6	2	Knowledge	Acids & Bases	Use the whiteboard display	Daily exam and oral questi
7	2	Knowledge	Redox Reactions	Use the whiteboard display	Daily exam and oral questi
8	2	Knowledge	Organic Chemistry Basics	Use the whiteboard display	Daily exam and oral questi
9	2	Knowledge	Hydrocarbons	Use the whiteboard display	Daily exam and oral questi
10	2	Knowledge	Alcohols & Aldehydes	Use the whiteboard display	Daily exam and oral questi
11	2	Knowledge	Carbohydrates	Use the whiteboard display	Daily exam and oral questi
12	2	Knowledge	Lipids	Use the whiteboard display	Daily exam and oral questi
13	2	Knowledge	Proteins	Use the whiteboard display	Daily exam and oral questi
14	2	Knowledge	Biochemistry Intro	Use the whiteboard display	Daily exam and oral questi
15	2	Knowledge	Revision & Exam	Use the whiteboard display	Daily exam and oral questi

11. Course Evaluation

5 marks are calculated on reports
5 points are calculated on daily exams
5 degrees are calculated on the daily preparation
And the rest of the grade is for the monthly exams

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Anatomy Books
Main references (sources)	Solutions for general chemist principles and modern applications Solutions for CHEMISTRY; the molecu nature of matter and change
Recommended books and references (scientific journals, reports…)	Chemistry: The Central Science General Chemistry by Petrucci.
Electronic References, Websites	Kenhub, teach me anatomy.