Course Description Form

1. Course Name: General Chemistry therodical

2. Course Code: GHEM102

3. Semester / Year: second 2022/2025

4. Description Preparation Date:2025

5. Available Attendance Forms: Live attendance in the classroom

6. Number of Credit Hours (Total) / Number of Units (Total)

2 hours

7. Course administrator's name (mention all, if more than one name)

Name: A.L.Ahmed Karim Obaid

8. Course Objectives

Course Objectives	General Objective
	At the end of the current academ year, the student will be able to Perform various techniques of descriptive and quantitative analysis of components in blood and other body fluids in humans health and disease…..

9. Teaching and Learning Strategies

Strategy	
	Interactive lectures: Presenting information through presentations and chemical compounds to learn how they affect the body Case-Based Learning: Studying the relationship betwe chemistry and body diseases

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
first	2	Knowledge	**Introduction to organic chemi (hydrocarbons)**	Giving a lect using mod presentation methods	test
second	2	Knowledge	**Alkanes, alkenes, alkynes**	Giving a lect using mod presentation methods	test
third	2	Knowledge	**Alcohols, classification, properties and their reactions**	Giving a lect using mod presentation methods	test
fourth	2	Knowledge	**Aldehydes and ketones, properties and their reactions**	Giving a lect using mod presentation methods	test
fifth	2	Knowledge	**Carboxylic acids, properties and their reactions**	Giving a lect using mod presentation methods	test
sixth	2	Knowledge	**Amines, aromatic hydrocarbons and polynuclear aromatic compounds..**	Giving a lect using mod presentation methods	test
seventh	2	Knowledge	**Introduction to biochemistry(carbohydrates)**	Giving a lect using mod presentation methods	test
eighth	2	Knowledge	**Amino acids and proteins**	Giving a lect using mod presentation methods	test

ninth	2	Knowledge	**Introduction to polymer chemistry**	Giving a lect using mod presentation methods	test
tenth	2	Knowledge	**Polymers, classification and their properties**	Giving a lect using mod presentation methods	test
eleventh	2	Knowledge	**Reactions of polymer**	Giving a lect using mod presentation methods	test
twelfth	2	Knowledge	**Natural polymers and their uses.**	Giving a lectur using modern presentation methods	test
thirteenth	2	Knowledge	**The mechanics of elastic solids**	Giving a lectur using modern presentation methods	test
fourteenth	2	Knowledge	**Stress- Strain curve.**	Giving a lectur using modern presentation methods	test
fifteenth	2	Knowledge	**Green Chemistry**	Giving a lectur using modern presentation methods	test
exam					

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Biochemistry books
Main references (sources)	Curriculum set by sector committees
Recommended books and references (scientific journals, reports…)	Lipncot

Electronic References, Websites	Keiji Murayama and others Bulletin of the Chemical Society of Japan, Volume 96, Issue 10, October 2023, Pages 1179–1187, https://doi.org/10.1226/bcsj.20230188