



Course Description Form

Organic Chemistry-1 (Practical)

This course description summarizes the key characteristics and anticipated learning objectives for students, assessing their utilization of available learning resources, and must be aligned with the program description

1. Educational Institution	Al Zahrawi University College of pharmacy
2. University Department / Center	Pharmacy / Organic Chemistry
3. Course Name / Code	Organic Chemistry-1 / PPCS12
4. Programs in which it is included	Bachelor of Pharmacy
5. Available Forms of Attendance	Daily
6. Semester / Year	First Semester / First Year
7. Total Number of Study Hours	٣٠ Hours
8. Date of preparing this description	2025-2026
9. Course Objectives:	
Enabling students to understand carbon chemistry, classification, properties, and reactions of organic compounds.	
10. Learning Outcomes, Teaching and Learning Methods, and Evaluation	

A. Knowledge and Understanding

- 1. How to deal with scientific devices**
- 2. Learning using different scientific techniques**
- 3. Analyzing and discussing the results of pharmaceutical analysis tests.**
- 4. The ability to write and formulate pharmaceutical laboratory reports on the results of scientific examinations and tests and the ability to deduce the results.**

B. Subject-Specific Skills

- 1. Preparing modern designs for the composition and method of its preparation and analyzing and discussing the results of pharmaceutical tests.**
- 2. Acquiring the skill of writing scientific reports.**

Teaching and Learning Methods

- 1. Theoretical lectures**
- 2. Laboratory experiments**
- 3. Seminars and reports**
- 4. Posters and class activities**

C. Evaluation Methods

- 1. Midterm and final exams.**
- 2. Oral and written exams**
- 3. Laboratory reports**
- 4. Class activities (posters)**

D. Thinking Skills

- 1. Thinking skills through translating, analyzing, evaluating and extracting ideas.**
- 2. Instilling ethical values for proper dealing with patients.**

Teaching and Learning Methods

- 1. Teaching and lecturing**
- 2. Seminars and homework**
- 3. Tests**
- 4. Field visits**
- 5. Educational posters**

Evaluation Methods

Grades, research and reports, tests.

e. General and Transferable Skills

- 1. Performing practical experiments**
- 2. Acquiring skills in using computers**
- 3. Giving confidence to the student through discussing reports**

4. Acquiring skills in writing reports
5. Acquiring skills in leadership
6. Acquiring skills in dealing

11. Course Structure					
Weeks	Hours	Required Learning Outcomes	Unit Name / Course or Topic	Learning Methods	Evaluation Method
1	2	Knowledge and Understanding & Subject-Specific Skills	Laboratory Safety & Determination of Melting Point (Theory)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, and oral and written exams.
2	2	Knowledge and Understanding & Subject-Specific Skills	Determination of Melting Point (Known Sample)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, and oral and written exams.
3	2	Knowledge and Understanding & Subject-Specific Skills	Determination of Melting Point (Unknown Sample & Quiz)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, and oral and written exams.
4	2	Knowledge and Understanding & Subject-Specific Skills	Determination of Boiling Point (Theory & Known Sample)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, and oral and written exams.
5	2	Knowledge and Understanding & Subject-Specific Skills	Determination of Boiling Point (Unknown Sample & Quiz)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, and oral and written exams.

					exams.
6	2	Knowledge and Understanding & Subject-Specific Skills	Elemental Analysis (T	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, oral and written exams.
7	2	Knowledge and Understanding & Subject-Specific Skills	Elemental Analysis (Known Sample)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, oral and written exams.
8	2	Knowledge and Understanding & Subject-Specific Skills	Elemental Analysis (Unknown Sample & Discussion)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, oral and written exams.
9	2	Knowledge and Understanding & Subject-Specific Skills	Solution and Filtration Techniques	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, oral and written exams.
10	2	Knowledge and Understanding & Subject-Specific Skills	Recrystallization (Theory & Known Sample)	Practical Lab	Evaluation of laboratory skills to complete the experiment in addition to discussion, laboratory reports, oral and written exams.
11	2	Knowledge and Understanding & Subject-Specific Skills	Recrystallization (Known Sample)	Practical Lab	Evaluation of laboratory skills to complete the

١٢	٢	Knowledge and Understanding & Subject-Specific Skills	Recrystallization (Unknown Sample & Quiz)		
١٣	٢		Review of Practical Techniques		
١٤	٢		Practical Assessment		
١٥	٢		Final Practical Examination / Report Discussion		
					experiment in addition to discussion, laboratory reports, oral and written exams.

12. Infrastructure	
Required Readings:	References: • Organic Chemistry by Robert T. Morrison and Robert N. Boyd. Organic Chemistry by McCurry; 5th ed. Thomson learning; CA,USA; 2000. • Organic Chemistry by Robert T. Morrison and Robert N. Boyd. • Organic Chemistry by McCurry; 5th ed . Thomson learning; CA,USA; 2000
Special Requirements (Workshops, Journals, Software, Websites):	Electronic Websites and Internet.
Social Services (Guest Lectures, Professional Training, Field Studies, Others)	Organizing workshops and courses for graduates: ----

13. Admission:	
Prerequisites	Admission according to the central plan
Minimum Number of Students	/
Maximum Number of Students	Admission exceeds the capacity plan

Name of the Instructor:

Ass. Lecturer. Saif yahya ahmed