

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Animal
production
Stage: first
Lecturer name: Eman
Rahman Mahdi
Qualification: MSc.
Chemistry
Place of work: Coll. Of
Agriculture

Flow up of implementation celli pass play

Course Instructor	Eman Rahman Mahdi Abed				
E-mail	emanrahman@uodiyala.edu.iq				
Title	Organic Chemistry				
Course Coordinator	Autumn semester				
Course Objective	Teach students the basics and concepts of chemistry of saturated and unsaturated aliphatic hydrocarbon compounds. It includes lessons on the chemical bonds and chemical formulas of hydrocarbon compounds. It also includes a definition of each of these compounds, its name, and its derivatives according to the international IUPAC system, as well as the physical properties of each compound and its chemical interactions with other hydrocarbon compounds				
Course Description	Introduction to organic chemistry and its importance by studying its (nomenclature ,reactions , preparation) Saturated hydrocarbons (alkanes-paraffins) Unsaturated hydrocarbons (alkenes) Unsaturated hydrocarbons (alkynes-acetylenes Alkyl halides Alcohols Ethers Carboxylic acids and Its Derivatives Aldehydes and ketones Aromatic compounds Cyclic compounds Amines				
Textbook	- Youssef Ali Al-Fattahi, 1989, Foundations of Organic Chemistry, a methodological book for students of the College of Agriculture and Life Sciences, University of Baghdad, House of Wisdom.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	%25	%15	%10		%50
General Notes					

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week	Date	Topics Covered	Practical Part
1	2024\11\11	Introduction to organic chemistry and its importance	Laboratory safety rules
2	2024\11\18	Saturated hydrocarbons (alkanes-paraffins) (nomenclature ,reactions , preparation)	Tools and equipment used in organic chemistry laboratory
3	2024\11\25	Unsaturated hydrocarbons (alkenes) (nomenclature ,reactions , preparation)	Melting point measurement
4	2024\12\2	Unsaturated hydrocarbons (alkynes-acetylenes)(nomenclature ,reactions , preparation)	Boiling point measurement
5	2024\12\9	First month exam	Sublimation
6	2024\12\16	Alkyl halides (nomenclature ,reactions , preparation)	First month exam
7	2024\12\23	Alcohols (nomenclature ,reactions , preparation)	Recrystallization
8	2024\12\30	Ethers(nomenclature ,reactions , preparation)	Detection of Alcohol
9	2025\1\6	Carboxylic acids and Its Derivatives (nomenclature ,reactions , preparation)	Detection of phenols
10	2025\1\13	Second month exam	Second month exam
11	2025\1\20	Aldehydes and ketones (nomenclature ,reactions , preparation)	Detection of aldehydes and ketones - Fehling's reagent (a specific test for aliphatic aldehydes)
12	2025\1\27	Aromatic compounds(nomenclature ,reactions , preparation)	Detection of aldehydes and ketones (chromic acid detection)

13	2025\2\3	Cyclic compounds (nomenclature ,reactions , preparation)	Detection of carboxylic acids (detection of sodium carbonate)
14	2025\2\10	Third month exam	Detection of carboxylic acids (detection of sodium bicarbonate)
15	2025\2\17	Amines(nomenclature ,reactions , preparation)	Third month exam

Instructor Signature:
Eman Rahman Mahdi
15/1/2025

Dean Signature:
Prof. Dr.Raaed Ibrahim Khalil
15/1/2025