

University of Al-Anbar

College of Pharmacy

Department of Pharmaceutical Chemistry

Title of the course: **Organic Chemistry I** Course number: **1210**

Level: 1st Class, 2nd Semester

Credit hours: **Theory 3 hours Laboratory 1 hour**

Tutors:

Reference text:

1- Organic Chemistry by Robert T. Morrison and Robert N. Boyd. (Latest edition).

2- Organic Chemistry by McCurry; Thomason learning; CA, USA; Latest edition.

Objectives: To enable students to understand the chemistry of carbon, and the classification, properties and reactions of organic compounds. It includes understanding the basic structure and properties of alkanes, alkenes and alkynes, in addition to the principles of stereochemistry and features of aromatic compounds.

No	Lecture title	hours
1.	Introduction.	3
2.	Alkanes and methane.	6
3.	Alkenes and II	5
4.	Alkynes and dienes.	5
5.	Stereochemistry.	4
6.	Alcohols and ethers.	8
7.	Aromatic Hydrocarbons (includes benzene, electrophilic aromatic substitution, arenas and their derivatives).	10
8.	Cycloalkanes.	4