



## Teaching plan for the Second semester form 2021-2022

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<b>Title</b>	Organic Chemistry				
<b>Course Coordinator</b>	Second semester				
<b>Course Objective</b>	Naming most organic compounds, to determine the necessary reaction conditions for the preparation of organic compounds, and also to understanding the chemical and physical properties as well as to represent the state of matter (solid, liquid, gas), boiling point and melting point.				
<b>Course Description</b>	The study of hydrocarbons, which include alkanes, alkenes, alkyne in terms of the name and the preparation and reactions and physical properties. Also the study of the general principles of the aromatic compounds such as aromatic property, and chemical properties, especially aromatic electrophilic substitution reactions. As well as the study of alkyl halides, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids, carboxylic acid derivatives and amines.				
<b>Textbook</b>	Organic Chemistry Dr. Fahad Ali Hussein Organic Chemistry Morrison and Boyd				
<b>References</b>	Fundamentals of Organic Chemistry Dr. Omar Abdullah Alhzazi				
<b>Course Assessment</b>	Term Tests	Laboratory	Quizzes	Final Lab. Exam	Final Exam
	As (22%)	As (13%)	As (5%)	As (20%)	As (40%)
<b>General Notes</b>					



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week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		General introduction	Melting Point	
2		Alkanes and Cycloalkanes	Boiling Point	
3		Alkenes and Alkynes	Recrystallization	
4		Aromatic Hydrocarbons	Sublimation	
5		Alkyl Halides	Simple Distillation	
6		Aryl Halides	Practical exam the first month	
7		Alcohols	Fractional Distillation	
8		Phenols	Steam Distillation	
9		Ethers	Vacuum Distillation	
10		Aldehydes	Extraction	
11		Ketones	Chromatography	
12		Carboxylic Acids	Solubility in water and acid HCl, H <sub>2</sub> SO <sub>4</sub>	
13		CarboxylicAcids dreivatives	Solubility in solution NaOH, NaHCO <sub>3</sub>	
14		Esters and Anhydrides	Practical exam the second month	
15		Amines		

Instructor Signature:

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