



Course Weekly Outline

Course Instructor	Ziad Tariq Sedrah				
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Title	Organic chemistry				
Course Coordinator					
Course Objective					
Course Description					
Textbook	Principles of organic chemistry – Dr. Youssef Ali Al-Fattahy				
References	<ul style="list-style-type: none"> – Wade, L. G. 2013. Organic Chemistry. Pearson. Boston. – Smith, J.L. G. 2011. Organic Chemistry. McGraw Hill. – Internet 				
Course Assessment	Term (40%)			Final (60%)	
	Term Tests	Laboratory	Quizzes	Laboratory	Final Exam
	As (20%)	As (15%)	As (5%)	20%	40%
General Notes					



Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		The Foundations of organic chemistry	Identify the types of organic compounds	
2		Bonds, functional groups	Detection of alkanes	
3		Alkanes	Detection of double bond	
4		Alkenes	Detection of triple bond	
5		Alkynes	Detection of aromatic compounds	
6		Midterm exam	Midterm exam	
7		Aromatic compounds	Detection elements of the aromatic compound	
8		Alcohols	Distinguish between aromatic and aliphatic compounds	
9		Ethers	Lucas reagent	
10		Aldehydes	Distinguish between ethers and alcohols	
11		Ketones	2,4-nitrophenyl hydrazine, Fehling's solution	
12		Midterm exam	Midterm exam	
13		Carboxylic acids	Detection of carboxylic acids	
14		Esters	Detection of esters	
15		Organic amines	Detection of functional groups	