



The Hashemite University
Faculty of Science
Course Description

Department : Chemistry	
Year : 2011/2012	Semester : Second

Course Information	
Course Title	Organic Chemistry For Non-Chemists
Course Number	0103236
Course Credits	3
Prerequisite(s)	2103101/or X103107
Course Duration	16 Weeks
Course Time	9:30 -11 Mon. Wed.
Instructors	Dr. Abdullah Saleh
Office Location	Chem. 202
Office Phone	4739
Office Hours	11:30-1 Thu. & Thr.
E- mails	a-saleh@hu.edu.jo
Course Web Site:	

Text Book	
Title	Organic Chemistry
Authors	Harold Hart, Leslie Craine, Daivid Hart and C. Hadad.
Publisher	Houghton Mifflin Company, Boston U.S.A.
Year	2007
Edition	12 th edition.
References(s)	1) Organic Chemistry, 8th ed., By Solomons.(2004) 2) Organic Chemistry, J. McMurry (2004)
Evaluation Policy	

Assessment Type	Expected Date	Weight
First Exam	11-22/3/2012	25%
Second Exam	15-26/4/2012	25%
Final Exam	13-24/5/2012	50%

Course Objectives

The main objective of the course is to teach students the basic principles of organic chemistry. The first part of the course will cover the fundamental aspects of structural organic chemistry to familiarize the students the main families of organic chemistry functions as well as the 3D structure of organic molecules. The basics of reactivity will also covered using the mechanisms. The course will be frequently illustrated will examples linked to other scientific disciplines, in particular to the field of life sciences.

Teaching and Learning Methods

The following teaching techniques will be used:
 Solved examples to be done traditionally on the board
 Overhead transparencies may be used for complex molecules

Course Contents

Week	Topics	Ch. in Text
1	Bonding and Isomerism	CHAPTER 1
1	Alkanes and Cycloalkanes	CHAPTER 2
2	Alkenes and Alkynes	CHAPTER 3
2	Aromatic compounds	CHAPTER 4
3	Stereoisomerism	CHAPTER 5
3	Organic Halogen Compounds	CHAPTER 6
4	Alcohols, Phenols, and Thiols	CHAPTER 7
5	Ethers and Epoxies	CHAPTER 8
5	Aldhydes and Ketones	CHAPTER 9
6	Carboxylic acids	CHAPTER 10
7,8	Amines	CHAPTER 11