

Course Syllabus CHEM 245 (1438-1439; 2017-2018)

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Learning outcomes

The aim of the course is to provide a basic knowledge concerning the organic compounds, along with fundamental notes for the comprehension of the main chemical reactions involving the following substances.

Course contents

Topics	Planned Contact Hours	Actual Contact Hours	NOTES
Revision and Alkyl halides	4	4	
Alcohols and Phenols	6	6	
Ethers and Epoxides	2	2	
1 st Midterm exam			30*
Aldehydes and Ketones	6	6	
Carboxylic acids and their derivatives	6	6	
2 nd Midterm exam			30*
Amines	6	6	
Final exam			40

*Including the attendance and activity during the session (Homework & Quizzes).

Recommended reading

- Fundamental of Organic Chemistry, **Prof. Salem El Dyab**
- Organic Chemistry, Francis A. Carey, 6th ed., McGraw-Hill Company 2007
- Fundamental of Organic Chemistry, T. W. Graham Solomons and Craig Fryhle, 7th ed. John Wiley&Son, New York (latest)
- Fundamental of Organic Chemistry, **Prof. Hassan Al-Hazimi** and Mohamed Al-Hassan , Dar Alkharijy 4th 1421H (Arabic Edition)