

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Identification Of Organic Compounds
Course number	CHEM3220
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 -	To teach the student the systematic method of identification of the already described organic compounds.
2 -	To give the student an idea about the steps of identification of the hitherto undescribed organic compounds.
3 -	To teach the student with the practical aspects of spectroscopic methods and their employment in structure determination.

Intended Learning Outcomes

Knowledge and Understanding	* The students are expected to have knowledge of chemical and spectral characterization methods of organic compounds, also how to handle chemicals safely.
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Course Contents

1 -	This course deals with the systematic identification of organic compounds through the determination of their physical, chemical and spectroscopic properties. This can be achieved by carrying out a series of chemical reactions related to the theoretical courses. The spectroscopic methods (NMR, IR, UV and M.S) Should be used in the structure determination.
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Teaching and Learning Methods for the Disabled Students

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Students Assessment

Assessment Method	TIME	MARKS
1- Quizzes and reports 45%		
2- Midterm 15%		
3- Final exam 40%		

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## Books and References

Recommended books	The systematic identification of organic compounds, 6th. Ed. Ralph L. Shriner.
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