

Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Structural Elucidation of Organic Compounds

Information :

Course Code : PHC 216 **Level :** Undergraduate **Course Hours :** 3.00- Hours

Department : Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Instructor Information :

Title	Name	Office hours
Professor	Khairia Mohamed Ahmed Youssef	6
Professor	Manal Moustafa Hassan Kandeel	9
Professor	Nasser Saad Mohamed Ismail	3
Professor	Hanan Mohamed Refaat Khalil Elaasi	13
Professor	Manal Moustafa Hassan Kandeel	9
Professor	Hanan Mohamed Refaat Khalil Elaasi	13
Lecturer	Iten Mamdouh Fawzy Abdelmotaleb	4
Lecturer	Iten Mamdouh Fawzy Abdelmotaleb	4
Assistant Lecturer	Dina Yousry Mohamed Kamel El Ansary	
Assistant Lecturer	MENNATALLAH ATEF SAAD ALY EWIDA	
Teaching Assistant	Hagar Magdi Mohamed Mostafa	
Teaching Assistant	MONA NABIL MOHAMED HASSAN	
Teaching Assistant	Esraa Badreldin Abdellatif Mandor Mahmoud	2
Teaching Assistant	Aya Reda Aly Mohamed	
Teaching Assistant	Aya Salah Mohamed Fatthala El Soudy	
Teaching Assistant	Ola Gamal Hussin Farrag	
Teaching Assistant	Aya Reda Aly Mohamed	

Description :

This course includes three main concepts; Pharmaceutical Spectroscopic Determinations: course which aims to cover the basics of spectroscopy and elucidation of chemical structures. After attending the lectures and tutorials the students will be capable of independently using the different spectroscopic methods to elucidate the structures of organic compounds, he could solve the spectroscopic problems for organic compounds with the help of his instructors. The practical course is designed to expose the student to the interpretation of various spectroscopic charts and its correlation with structure. The other concept will cover a basic introduction to cheminformatics including chemdraw and molecular docking. The practical course is designed to expose the student to practice basic application of cheminformatics. The course also aims at giving students detailed knowledge about Stereo-chemical compounds. The course ensures that the students has and understand the skills to know the spatial (three-dimensional) structure of organic compounds. and basic knowledge of Stereochemistry. The course also aims at giving students detailed knowledge about the reactions of stereo-chemical compounds with biological receptors.