

Faculty of Pharmacy

Instrumental Analysis

Information :

Course Code : PHC 213

Level : Undergraduate

Course Hours : 4.00- Hours

Department : Faculty of Pharmacy

Instructor Information :

Title	Name	Office hours
Professor	Amr Mohamed Mohamed Badawey	11
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Professor	Amr Mohamed Mohamed Badawey	11
Lecturer	DINA ABBAS AHMED MOSTAFA	4
Lecturer	DINA ABBAS AHMED MOSTAFA	4
Assistant Lecturer	MONA NABIL MOHAMED HASSAN	
Assistant Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN	
Teaching Assistant	Hagar Magdi Mohamed Mostafa	
Teaching Assistant	Yumna Waheed Abdelnaeem Abdelhamid	

Description :

The course deals with quantitative UV- visible spectrometry and their instrumentation. Colorimetry, emission spectroscopy including theory of fluorescence, phosphorescence, different relaxation processes, and study factors affecting fluorescence, quantitative fluorescence, instrumentation and applications will be covered. The course will also address flame spectroscopy including flame emission and atomic absorption, Electrochemistry including conductometry, potentiometry and polarography, in addition to different methods of chromatographic separation including GC, TLC, and HPLC.