

**Faculty of Pharmaceutical Sciences & Pharmaceutical
Industries**

Instrumental Analysis

Information :

Course Code : PHC 213

Level : Undergraduate

Course Hours : 4.00- Hours

Department : Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Instructor Information :

Title	Name	Office hours
Professor	Mohamed Abdelkawy Mohamed Ibrahim	6
Professor	Amr Mohamed Mohamed Badawey	11
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Professor	Mohamed Abdelkawy Mohamed Ibrahim	6
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Assistant Lecturer	DINA ABBAS AHMED MOSTAFA	4
Teaching Assistant	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Teaching Assistant	EMAN MOHAMED FARAG MAHMOUD MORGAN	
Teaching Assistant	Soad Emad Abo El Hoda Ibrahim	
Teaching Assistant	Haitham Abbas Ali El Fiky	
Teaching Assistant	Mona Nabil Mohamed Hassan	
Teaching Assistant	Laila Khaled Mohamed Elghonemy Omarah Ayad	
Teaching Assistant	Hagar Magdi Mohamed Mostafa	

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.

Books :

Book	Author	Publisher
Vogel's Textbook of Quantitative Chemical Analysis	J. mendham	Pearson