

**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	Hayam Mahmoud Lotfy Ibrahim Mahmoud	2
Professor	Amr Mohamed Mohamed Badawy	7
Professor	Mohamed Abdelkawy Mohamed Ibrahim	2
Assistant Lecturer	HEBATALLA AHMED IBRAHIM MOHAMED	
Assistant Lecturer	Dina Abbas Ahmed Moustafa	4
Teaching Assistant	Hagar Magdi Mohamed Mostafa	
Teaching Assistant	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Teaching Assistant	Nourhan Hossam Mohamed Elsadek Elwan	
Teaching Assistant	Mona Nabil Mohamed Hassan	
Teaching Assistant	Haitham Abbas Ali El Fiky	
Teaching Assistant	Eman Mohamed Farag Mahmoud Morgan	
Teaching Assistant	Nour elhouda Mohamed Nagieb Mohamed Abdelhamed	
Teaching Assistant	Maryam Ahmed Abdel Raouf Bakr	

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