

Faculty of Pharmacy

Pharmaceutical Analytical Chemistry II

Information :

Course Code : PC 203

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Pharmacy

Instructor Information :

Title	Name	Office hours
Professor	Amr Mohamed Mohamed Badawey	4
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Professor	Amr Mohamed Mohamed Badawey	4
Assistant Lecturer	Yomna Ibrahim Hassan El Gazzar	
Assistant Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	5
Assistant Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN	6
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim	2
Assistant Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	5
Assistant Lecturer	MONA NABIL MOHAMED HASSAN	1
Teaching Assistant	Nourhan Hossam Mohamed Elsadek Elwan	2
Teaching Assistant	Hagar Magdi Mohamed Mostafa	

Description :

This course deals with quantitative analysis of selected samples either individually or in mixtures. It includes; neutralization reactions in aqueous medium [acids & bases, pH , calculation of pH of different electrolytes, buffer solutions, detection of end point]. Complexation reactions (types of complexing agents, detection of end point, cyanometric, mercurimetric and EDTA titrations). Precipitation reactions [detection of end point, argentometric determinations (Mohr` s method, Volhard` s method, Fajan` s method, Leibeg` s method)]. Oxidation – reduction reactions, Nernst equation, factors affecting oxidation potential, detection of end point, permanganometry, iodometry, iodimetry.

