

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	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
Lecturer	Iten Mamdouh Fawzy Abdelmotaleb	
Lecturer	DINA ABBAS AHMED MOSTAFA	2
Lecturer	MENNATALLAH ATEF SAAD ALY EWIDA	
Lecturer	ASMAA ABDELKERIM MANDOUR KHADR	
Assistant Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	5
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim	2

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.