

**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
Lecturer	Haitham Abbas Ali El Fiky	2
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	5
Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN	8
Lecturer	Haitham Abbas Ali El Fiky	2
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	5
Lecturer	DINA ABBAS AHMED MOSTAFA	4
Lecturer	Ola Gamal Hussein Farrag	2
Assistant Lecturer	MARYAM AHMED ABDELRAOUF BAKR	2
Teaching Assistant	Hagar Magdi Mohamed Mostafa	
Teaching Assistant	Yasmeen Ehab Gamal Gadallah	

**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.