

## Faculty of Pharmacy

### Pharmaceutical Analytical Chemistry I

#### Information :

**Course Code :** PC 101

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Pharmacy

#### Instructor Information :

Title	Name	Office hours
Associate Professor	DINA ABBAS AHMED MOSTAFA	3
Associate Professor	DINA ABBAS AHMED MOSTAFA	3
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	4
Lecturer	Ola Gamal Hussein Farrag	3
Lecturer	Haitham Abbas Ali El Fiky	
Assistant Lecturer	Fatma Makram Youssif Aboelhassan	
Assistant Lecturer	MARYAM AHMED ABDELRAOUF BAKR	
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim	
Assistant Lecturer	Dina Yousry Mohamed Kamel El Ansary	
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim	
Teaching Assistant	Reem Ehab Ali Kholef	
Teaching Assistant	Rawan Waleed Hussein Rashed Salehin	
Teaching Assistant	Nada Ahmed Hader Ahmed	
Teaching Assistant	Reem Ehab Ali Kholef	
Teaching Assistant	Ashrakt Eslam Ahmed Header	
Teaching Assistant	Yasmeen Ehab Gamal Gadallah	
Teaching Assistant	Fatma Abdalkarim Ibrahim Mohamed	
Teaching Assistant	Hagar Magdi Mohamed Mostafa	

#### Description :

This course includes basic information about qualitative inorganic analysis, such as different types of solutions, law of mass action, chemical equilibrium, equilibrium constants [e.g. Ionic product of water (KW), acidity constant (Ka), basicity constant (Kb), solubility product constant (KSP.), instability constant (KINST.)], Le Chatelier principle, common ion effect, buffer solutions and amphoteric metals. Types of chemical reactions [e.g. neutralization, precipitation, complexation and redox reactions]. How to write and balance different types of chemical equations. Systematic examination of individual ion (cation or anion) through chemical tests and how to carry out systematic separation and identification of their mixtures.

