

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
Lecturer	DINA ABBAS AHMED MOSTAFA	2
Lecturer	Ola Gamal Hussein Farrag	2
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Lecturer	Haitham Abbas Ali El Fiky	
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Assistant Lecturer	MARYAM AHMED ABDELRAOUF BAKR	
Assistant Lecturer	MARYAM AHMED ABDELRAOUF BAKR	
Assistant Lecturer	Dina Yousry Mohamed Kamel El Ansary	
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim	
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 (K_W), acidity constant (K_a), basicity constant (K_b), solubility product constant (K_{SP}), instability constant (K_{INST})], 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.