

Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Pharmaceutical Analytical Chemistry I

Information :

Course Code : PC 101

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Instructor Information :

Title	Name	Office hours
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	1
Professor	Amr Mohamed Mohamed Badawey	
Lecturer	DINA ABBAS AHMED MOSTAFA	
Assistant Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	
Assistant Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN	
Assistant Lecturer	Maryam Ahmed Abdel Raouf Bakr	
Teaching Assistant	Nourhan Hossam Mohamed Elsadek Elwan	
Teaching Assistant	Nour elhouda Mohamed Nagieb Mohamed Abdelhamed	
Teaching Assistant	Soad Emad Abo El Hoda Ibrahim	
Teaching Assistant	Hagar Magdi Mohamed Mostafa	
Teaching Assistant	Esraa Badreldin Abdellatif Mandor Mahmoud	
Teaching Assistant	Haitham Abbas Ali El Fiky	
Teaching Assistant	Ola Gamal Hussein Farrag	
Teaching Assistant	Mayar Abbas Ali Elfiky	
Teaching Assistant	Aya Reda Aly Mohamed	

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.

