

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	
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	4	
Lecturer	DINA ABBAS AHMED MOSTAFA	1	
Assistant Lecturer	MARYAM AHMED ABDELRAOUF BAKR		
Assistant Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN		
Assistant Lecturer	Haitham Abbas Ali El Fiky		
Assistant Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	1	
Assistant Lecturer	Soad Emad Abo El Hoda Ibrahim		
Assistant Lecturer	Ola Gamal Hussein Farrag		
Assistant Lecturer	MONA NABIL MOHAMED HASSAN		
Teaching Assistant	Youmna Waheed Abdelnaeem Abdelhamid		
Teaching Assistant	Aya Mostafa Mahmoud Ghareeb		
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.

Books:				
Book	Author	Publisher		
Principles of analytical chemistry : a textbook (Ebook)	Tãt ^ Áxank&u ¦&^ ÁÔæe^•	springer		

