

**Faculty of Pharmacy**

**Instrumental Analysis**

**Information :**

**Course Code :** PHC 213

**Level :** Undergraduate

**Course Hours :** 4.00- Hours

**Department :** Faculty of Pharmacy

**Instructor Information :**

<b>Title</b>	<b>Name</b>	<b>Office hours</b>
Professor	Hayam Mahmoud Lotfy Ibrahim Mahmoud	3
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Lecturer	DINA ABBAS AHMED MOSTAFA	6
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Lecturer	DINA ABBAS AHMED MOSTAFA	6
Lecturer	Sara Abdel Rsheed Mohamed Mohamed Elhanboushy	2
Assistant Lecturer	EMAN MOHAMED FARAG MAHMOUD MORGAN	

**Description :**

The course deals with quantitative UV- visible spectrometry and their instrumentation. Colorimetry, emission spectroscopy including theory of fluorescence, phosphorescence, different relaxation processes, and study factors affecting fluorescence, quantitative fluorescence, instrumentation and applications will be covered. The course will also address flame spectroscopy including flame emission and atomic absorption, Electrochemistry including conductometry, potentiometry and polarography, in addition to different methods of chromatographic separation including GC, TLC, and HPLC.