

## **Faculty of Pharmacy**

## **Instrumental Analysis**

Information:

Course Code: PC 305 Level: Undergraduate Course Hours: 3.00- Hours

**Department:** Pharm D

Instructor Information :		
Title	Name	Office hours
Associate Professor	DINA ABBAS AHMED MOSTAFA	2
Assistant Lecturer	MARYAM AHMED ARDELRAOLIE BAKR	

## Area Of Study:

Spectroscopic methods of analysis which include uv/vis spectroscopy, principal, instrumentation, factors affecting absorption and applications in pharmaceutical analysis. Fluorimetric methods, principal instrumentation, factors affecting fluorescence intensity and applications in pharmaceutical analysis. Atomic spectroscopy; principal and instrumentation. Chromatographic methods for analytical chemistry which includes: TLC, gel chromatography, column chromatography, HPLC, UPLC, TLC, gas chromatography, capillary electrophoresis.

## **Description:**

Spectroscopic methods of analysis which include uv/vis spectroscopy, principal, instrumentation, factors affecting absorption and applications in pharmaceutical analysis. Fluorimetric methods, principal instrumentation, factors affecting fluorescence intensity and applications in pharmaceutical analysis. Atomic spectroscopy; principal and instrumentation. Chromatographic methods for analytical chemistry which includes: TLC, gel chromatography, column chromatography, HPLC, UPLC, TLC, gas chromatography, capillary electrophoresis.