

**Faculty of Pharmacy**

**Phytochemistry I**

**Information :**

**Course Code :** PG 404

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Pharm D Clinical Pharmacy

**Instructor Information :**

Title	Name	Office hours
Lecturer	YASMIN ALAAELDIN AHMED HUSSIEN	3
Assistant Lecturer	AHMED ABDELAZEEM NASRELDEEN MOHAMED ZAGHLOL	

**Description :**

Based on complementary medicine and Egyptian medicinal plants that can be used as natural extracts, bioactive raw materials and phytochemical standards to serve the pharmaceuticals, cosmetics and food industries in Egypt. The course aims to give students the knowledge and skills that enable them to understand, describe and deal with the chemistry of volatile oils, resins, miscellaneous terpenoids, bitters, alkaloids, glycosides, tannins, antioxidants and carbohydrates of plant or animal origin and different techniques used for their preparation, identification and determination. Also, the students should become aware of different chromatographic methods used for isolation and analysis of different subplant constituents and their pharmacological actions and medicinal uses.