

**Faculty of Pharmacy**

**Physical Pharmacy**

**Information :**

**Course Code :** PHT 212

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Pharmacy

**Instructor Information :**

Title	Name	Office hours
Professor	Mona Ebrahim Abdel Tawab Ahmed Elassal	
Professor	AZZA AHMED MOHAMED MAHMOUD	19
Lecturer	Maha Osama Abdelaziz Mohamed Elkayal	3
Teaching Assistant	Sara Azeez Abdelhameed Ali	1
Teaching Assistant	Reem Khaled Mohamed Ibrahim Wassif	4

**Description :**

This course aims to provide the student with good knowledge on some physical pharmacy principles essential for designing dosage form including state of matter and phase equilibria. It will also cover the physical phenomena related to solubility and colligative properties aiming to assist the preparation of pharmaceutical solutions and enhancing the drug solubility in different dosage forms. The course will also cover rheology, surface phenomena and surfactants to help in the production of successful pharmaceutical dispersion systems. The course emphasizes on those phenomena applicable to various topics of pharmaceuticals and focusing on the theories behind those needed for dosage form design.