

Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Physical Pharmacy

Information :

Course Code : PHT 212

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Instructor Information :

| Title | Name | Office hours |
|--------------------|--|--------------|
| Professor | AZZA AHMED MOHAMED MAHMOUD | 19 |
| Professor | AZZA AHMED MOHAMED MAHMOUD | 19 |
| Professor | AZZA AHMED MOHAMED MAHMOUD | 19 |
| Lecturer | NADA MOHAMED ALI ANWAR MOHAMED ELHOFFY | 1 |
| Lecturer | NADA MOHAMED ALI ANWAR MOHAMED ELHOFFY | 1 |
| Assistant Lecturer | Shymaa Hatem Abdelaziim Saleh Emara | 4 |
| Assistant Lecturer | Enas EIMaghawry Ibrahim Said | |
| Teaching Assistant | Aya Hussein Sayed Metwally Hassanein | 1 |
| Teaching Assistant | Yasmin Ahmed Emam El Tellawy | 3 |
| Teaching Assistant | Rinada Hussien Sadek Hassan | 1 |
| Teaching Assistant | Dahab Abdelaziz Mohamed Ali Elawady | 1 |
| Teaching Assistant | MONA NABIL MOHAMED HASSAN | |
| Teaching Assistant | Esraa Akram Helmi Ali Elhefnawy | |
| Teaching Assistant | Marwa Saady Mahmoud Saleh | 3 |
| Teaching Assistant | Dahab Abdelaziz Mohamed Ali Elawady | 1 |
| Teaching Assistant | Manar Magdy Labib Mohamed Essa | 2 |
| Teaching Assistant | Rinada Hussien Sadek Hassan | 1 |
| Teaching Assistant | Reem Khaled Mohamed Ibrahim Wassif | 4 |
| Teaching Assistant | Ahmed Samir Mohamed yacoub | 1 |
| Teaching Assistant | Sara Azeez Abdelhameed Ali | 1 |
| Teaching Assistant | Nada Zaghloul Ahmed Hussein | 2 |
| Teaching Assistant | Yasmin Ahmed Emam El Tellawy | 3 |

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 pharmaceutics and focusing on the theories behind those needed for dosage form design.