

## Faculty of Pharmacy

### Biochemistry I

#### Information :

**Course Code :** PB 301

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D Clinical Pharmacy

#### Instructor Information :

| Title               | Name                              | Office hours |
|---------------------|-----------------------------------|--------------|
| Associate Professor | Mai Mostafa Ahmed Mostafa Seleem  | 1            |
| Associate Professor | Suzan Mohamed Mohamed Mansour     |              |
| Lecturer            | Sara Faisal Abdelaal Ahmed Haridy | 1            |
| Lecturer            | Suzan Magdy Ismaeil Ahmed         | 1            |
| Lecturer            | Salma Nasser Ali Hassan Amer      |              |
| Assistant Lecturer  | Esraa Akram Helmi Ali Elhefnawy   |              |
| Assistant Lecturer  | Samar Hussein Ibrahim Mohamed     |              |
| Assistant Lecturer  | Mohamed Salah Attia Radwan Ali    |              |
| Assistant Lecturer  | MOHAMED AHMED MAHMOUD SALEM       |              |

#### Description :

Proteins (protein structure- types of simple, conjugated and derived proteins- functions of various proteins- some biologically important peptides) - Enzymology (enzyme characteristics and kinetics - regulation - enzyme inhibitors as drugs) - Hemoglobin and porphyrins (Hb derivatives and types- metabolism of Hb and regulation) - Biological oxidation (electron transport chain- oxidative phosphorylation and ATP synthesis - inhibitors and uncouplers- free radicals and antioxidants) - Nucleic acids (DNA replication- RNA transcription . Translation and protein synthesis).