

**Faculty of Pharmaceutical Sciences & Pharmaceutical  
Industries**

**Biochemistry-1**

**Information :**

**Course Code :** PBC 211

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

**Instructor Information :**

Title	Name	Office hours
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	2
Lecturer	Mai Mostafa Ahmed Mostafa Seleem	6
Lecturer	NOURHAN MOHAMED ELAMIR MOHAMED IBRAHIM ELSAMALOTY	6
Assistant Lecturer	Samar Hussein Ibrahim Mohamed	1
Assistant Lecturer	Sara Faisal Abdelaal Ahmed Haridy	4

**Description :**

This course introduces the concepts of cellular biology including the outlines, functions of cell components, different transport mechanisms through the plasma membrane as well as the basic concepts and fundamentals of biochemistry. The course covers the physical and chemical properties of different biomolecules; carbohydrates, lipids, proteins, and nucleic acids and their functions, enzyme mechanisms and controlling enzyme activity, biochemistry of hemoglobin and the basic principles of molecular biology. The laboratory application to study the physical and chemical properties of different biochemical molecules and the enzyme activity are included.