

**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	Maha Mahmoud Attya Elsawalhi	5
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	1
Lecturer	HEBATOLLAH ATEF SAAD ALI EWIDA	3
Lecturer	Mai Mostafa Ahmed Mostafa Seleem	6
Assistant Lecturer	MAHMOUD FATHY MOHAMED IBRAHIM	3
Assistant Lecturer	NOURHAN MOHAMED ELAMIR MOHAMED IBRAHIM ELSAMALOTY	6
Teaching Assistant	Aya Ahmed Kamal Zayed	5
Teaching Assistant	Mohamed Salah Attia Radwan Ali	
Teaching Assistant	Rana Kamal Eldin Ahmed Zayed	
Teaching Assistant	Samar Hussein Ibrahim Mohamed	1
Teaching Assistant	Sara Faisal Abdelaal Ahmed Haridy	4
Teaching Assistant	Suzan Magdy Ismaeil Ahmed	3
Teaching Assistant	Mohamed Ahmed Mahmoud Salem	

**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.

**Books :**

<b>Book</b>	<b>Author</b>	<b>Publisher</b>
Lippincott's Illustrated Reviews Biochemistry	Pamela C. Champe	LWW