

**Faculty of Pharmaceutical Sciences & Pharmaceutical Industries**

**Biochemistry-2**

**Information :**

**Course Code :** PBC 222

**Level :** Undergraduate

**Course Hours :** 4.00- Hours

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

**Instructor Information :**

Title	Name	Office hours
Professor	Maha Mahmoud Attya Elsawalhi	4
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	4
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	4
Associate Professor	Marwa Ismail Abdellatif Abou Shabayek	5
Lecturer	Mai Mostafa Ahmed Mostafa Seleem	3
Assistant Lecturer	MAHMOUD FATHY MOHAMED IBRAHIM	2
Assistant Lecturer	NOURHAN MOHAMED ELAMIR MOHAMED IBRAHIM ELSAMALOTY	3
Assistant Lecturer	NOURHAN MOHAMED ELAMIR MOHAMED IBRAHIM ELSAMALOTY	3
Assistant Lecturer	MAHMOUD FATHY MOHAMED IBRAHIM	2
Teaching Assistant	Samar Hussein Ibrahim Mohamed	6
Teaching Assistant	Rana Kamal Eldin Ahmed Zayed	2
Teaching Assistant	Suzan Magdy Ismaeil Ahmed	5
Teaching Assistant	Mohamed Salah Attia Radwan Ali	2
Teaching Assistant	Aya Ahmed Kamal Zayed	2
Teaching Assistant	Samar Hussein Ibrahim Mohamed	6
Teaching Assistant	Sara Faisal Abdelaal Ahmed Haridy	3
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**Description :**

The course covers the macromolecular metabolic pathways, interconversions and integration of carbohydrates (glucose oxidation, citric acid cycle, gluconeogenesis, glycogen metabolism, and hexose monophosphate shunt, and fructose and galactose metabolisms), lipids (fatty acid metabolism), proteins and nucleic acid (amino acid metabolism, disposal of nitrogen; urea cycle) in well-fed and fasted states. The laboratory biochemical measurements of different enzymes involved in different metabolic pathways enable the students to analyze and interpret the different biochemical data and their clinical significances are covered.

**Books :**

Book	Author	Publisher
Lippincott's Illustrated Reviews Biochemistry	Pamela C. Champe	LWW