

**Faculty of Pharmacy**

**Biochemistry II**

**Information :**

**Course Code :** PB 402

**Level :** Undergraduate

**Course Hours :** 4.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	
Professor	Hebatallah Abdulmoaty Mohamed Mahmoud Darwish	
Lecturer	Sara Faisal Abdelaal Ahmed Haridy	
Assistant Lecturer	Aya Ahmed Kamal Zayed	

**Area Of Study :**

Energy production and other metabolic pathway of dietary fuels (carbohydrates, lipids and proteins) . Fate of proteins . Amino acids as precursors for biosynthesis of biomolecules. Carbohydrates (structure of glycoproteins and proteoglycans - glucose transporters) . Lipids (physiologically important lipid molecules . Cholesterol and steroids . Lipoprotein metabolism) - Integration of metabolism (Feed/fast cycle) . Nitrogen metabolism and nitrogen balance . Allosteric and hormonal regulation of metabolism.

**Description :**

Energy production and other metabolic pathway of dietary fuels (carbohydrates, lipids and proteins) . Fate of proteins . Amino acids as precursors for biosynthesis of biomolecules. Carbohydrates (structure of glycoproteins and proteoglycans - glucose transporters) . Lipids (physiologically important lipid molecules . Cholesterol and steroids . Lipoprotein metabolism) - Integration of metabolism (Feed/fast cycle) . Nitrogen metabolism and nitrogen balance . Allosteric and hormonal regulation of metabolism.