

## **A) Bachelor of pharmacy Course specifications:**

**1- Name of the course:** Biochemistry

**Theoretical:** 4 hours/ week    **Practical:** 2 hours    **Total:** 6 hours

### **Overall aims of the course:**

To provide the student with the knowledge of the different biochemical pathways in the human body, and their correlation to different diseases

**2- Name of the course:** Biological Standardization & Biostatistics

**Theoretical:** 4 hrs                      **Practical:**2 hrs                      **Total:**6 hrs

### **Overall aims of the course:**

- Provide the theoretical and practical guidelines for biological screening and quantification of natural and synthetic products.
- Provide knowledge of assessment methods of the biological effects and potency of hormones.
- Introduce principles of analysis, presentation, and interpretation of biological data
- Provide knowledge of diagnostic and therapeutic aspects of diseases.

**3- Name of the course:** Pharmacology

**Theoretical:** 2 hrs / Week                      **Practical:** 2.5 hr/Week                      **Total:** 4.5

### **Overall aims of the course:**

Pharmacology course aimed to ensure that the student has the necessary information about the mechanism of action, side effects and therapeutic uses of drugs acting on different systems of the body in order to make an effective contribution to patient health care system at the level of community pharmacies, pharmaceutical companies or hospitals.

**4-Name of the course:** Principles of Physiology, Anatomy & Histology

**Theoretical** (hours/week): Anatomy (2), Histology (1),

Physiology (3).

**Practical** (hours/week): Histology (1).

**Tutorial** (hours/week): ): Anatomy (1)

**Overall aims of the course:**

To ensure that the student has the basic information about physiological functions, anatomical features and histological structures of different body systems to help understanding the biological topics taught in the third & fourth year.

**5-Name of the course** :Toxicology, Forensic chemistry & First Aid

**Theoretical:**4 hours/ week      **Practical:**2 hours/ week

**Overall aims of the course:**

- To provide the student with updated knowledge of toxicology and the clinical aspects of management of toxicity.
  - To provide the student with an understanding of adverse effects & toxicity of different categories of drugs and newly introduced substances.
  - To provide the student with knowledge of first aid measures.
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