

**Faculty of Pharmacy**

**General Microbiology and Immunology**

**Information :**

**Course Code :** PM 401

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Lecturer	Sara Ahmed Zahran Mohamed Awad	3
Lecturer	Nada Anwar Abdelrazek Hegazy	
Assistant Lecturer	Amr Ali Abass Ahmed Hemed	
Assistant Lecturer	Amr Ali Abass Ahmed Hemed	
Teaching Assistant	Eman Abdel Baset Mohamed Mohamed	
Teaching Assistant	Eman Abdel Baset Mohamed Mohamed	

**Area Of Study :**

The course covers the fundamental aspects of microbiology including: taxonomy, structure, physiology, growth, reproduction and genetics. Basic techniques for staining and identifying microorganisms are emphasized in the laboratory. Moreover, it introduces the basic concepts of medical immunology, with an emphasis on host parasite relationship, non-specific and specific immunity including antibody and cell-mediated immunity. The course also covers antigen and antibody structure, function and types, complement system, active and passive immunization, in vitro antigen antibody reactions, hypersensitivity, immuno-deficiency, auto-immune disease and organ transplantation.

**Description :**

The course covers the fundamental aspects of microbiology including: taxonomy, structure, physiology, growth, reproduction and genetics. Basic techniques for staining and identifying microorganisms are emphasized in the laboratory. Moreover, it introduces the basic concepts of medical immunology, with an emphasis on host parasite relationship, non-specific and specific immunity including antibody and cell-mediated immunity. The course also covers antigen and antibody structure, function and types, complement system, active and passive immunization, in vitro antigen antibody reactions, hypersensitivity, immuno-deficiency, auto-immune disease and organ transplantation.