

**Faculty of Pharmacy**  
**Pharmaceutical Microbiology**

**Information :**

**Course Code :** PM 502

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Professor	Yasser ElMohammadi Mohamed Ragab	
Associate Professor	Marwa Ali Mohamed Tammam	
Lecturer	Ahmed Said Abuzaid Ahmed	
Lecturer	Amr Shaker Meselhy Mansour Beshar	
Assistant Lecturer	Nada Anwar Abdelrazek Hegazy	
Teaching Assistant	Hassnaa Mohamed Kamel Taha	
Teaching Assistant	Alaa Atef Fawzy Hassan	
Teaching Assistant	Younna Waheed Abdelnaeem Abdelhamid	
Teaching Assistant	Nour elhouda Mohamed Nagieb Mohamed Abdelhamed	

**Description :**

This course describes in detail the physical and chemical methods for effective control of microbial growth in the field of pharmaceutical industry / hospitals. It includes different methods of sterilization, and validation of sterilization process. The course addresses classes and modes of action of chemotherapeutic agents and non-antibiotics antimicrobial agents including the new approaches to overcome bacterial resistance. The course includes microbiological evaluation of antibiotics and non- antibiotics. Laboratory procedures such enumeration and identification of microbial contaminants in commercial pharmaceutical products, sterility test and evaluation of antimicrobial effectiveness are also covered.