

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

**Information :**

**Course Code :** PM 503

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D Clinical Pharmacy

**Instructor Information :**

Title	Name	Office hours
Professor	AMAL EMADELDINE ALI MOHAMED	1
Associate Professor	Marwa Mahmoud Raafat Abdel Fadiel Hassan	2
Lecturer	Nada Anwar Abdelrazek Hegazy	1
Assistant Lecturer	Amr Ali Abass Ahmed Hemeda	1
Assistant Lecturer	Aya Mostafa Mahmoud Ghareeb	1
Teaching Assistant	Fatma Abdalkarim Ibrahim Mohamed	
Teaching Assistant	Eman Abdel Baset Mohamed Mohamed	
Teaching Assistant	Alaa Atef Fawzy Hassan	

**Description :**

This course describes in details 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.