

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 Lecturer 2 Nada Anwar Abdelrazek Hegazy **Assistant Lecturer**

Aya Mostafa Mahmoud Ghareeb

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.