

**Faculty of Pharmacy****Molecular Biology****Information :****Course Code :** PBE 010**Level :** Undergraduate**Course Hours :** 2.00- Hours**Department :** Pharm D Clinical Pharmacy**Instructor Information :**

| Title               | Name                             | Office hours |
|---------------------|----------------------------------|--------------|
| Associate Professor | Mai Mostafa Ahmed Mostafa Seleem | 0            |
| Assistant Lecturer  | Mohamed Salah Attia Radwan Ali   |              |
| Assistant Lecturer  | Aya Ahmed Kamal Zayed            |              |

**Description :**

The course demonstrates an understanding of genome organization in prokaryotes and eukaryotes, outlines the recent advances in approaching gene discovery through, explaining gene expression, regulation and molecular biology techniques. In addition to, cancer development, progression mechanisms (carcinogenesis & apoptosis) and different models of cell division/cell cycle control are illustrated. The course emphasizes new approaches using molecular biology to undertake gene manipulation in diagnosing and controlling different diseases.