

Faculty of Pharmacy

Biotechnology

Information :

Course Code : PM 906

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Pharm D

Instructor Information :

Title	Name	Office hours
Professor	AMAL EMADELDINE ALI MOHAMED	1
Associate Professor	Marwa Mahmoud Raafat Abdel Fadiel Hassan	1

Description :

The course aims to provide students with fundamentals, scope, and applications of biotechnology through studying fermentation technology, upstream and downstream processes, scaling up, production of metabolites and enzymes. The course addresses the methods of regulation of gene expression, production of recombinant proteins and the major biotechnological products such as vaccines and monoclonal antibodies. Recent molecular techniques and other applications of biotechnology including biotransformation, bioremediation, bioleaching, bioinsecticides, biosensors, biosurfactants and energy production are also included