

## Faculty of Computers and Information Technology

### physics

#### Information :

**Course Code :** BPH 111

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Computers and Information Technology

#### Instructor Information :

Title	Name	Office hours
Lecturer	Mohamed Mokhtar Saad Fahim Hefny	2
Assistant Lecturer	Mohamed Yahia Mohamed Abdelkader	
Assistant Lecturer	Ahmed Abdelfattah Abdelaziz Abdelfattah	
Assistant Lecturer	Alaa Mohamed Yossry Abdo	
Teaching Assistant	Mohamed Fathy Salem Mohamed	

#### Description :

The course provides students with a foundational understanding of fundamental aspects of physics, focusing on key topics related to electrical and magnetic fields. Topics covered in this course are electrical field, electrical potential energy, electrical current, Coulomb's law, Kirchhoff's Law, and Ampere's Law. Additionally, the course explores quantization, black body radiation, Bohr Model of the Hydrogen atom, and the photoelectric effect, all of which are essential examples of magnetic fields and forces. Hands-on provisions will include practical experiments or simulations to reinforce the theoretical concepts and their real-world applications.