

## 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
Associate Professor	Borham Mohamed Taher El adorousy Ali eldin	
Lecturer	Mahmoud Mohamed Saad Abdelnabi	1
Teaching Assistant	Omar Ali Mohamed Bakheet	
Teaching Assistant	Mariam Mohamed Ali Ahmed Elshimey	
Teaching Assistant	Farah Hossam Eldin Mahmoud Abdelhamed Ibrahim	
Teaching Assistant	Laila Hany Osman Elsayed Fadle	
Teaching Assistant	Mahmoud Mohamed Khalaf Ahmed	
Teaching Assistant	Farah Hossam Eldin Mahmoud Abdelhamed Ibrahim	

#### 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.