

## 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
Professor	Mahmoud Ibrahim Zaki Ossaimee	
Teaching Assistant	Asmaa Abdelfattah Alsayed Abdelfattah	
Teaching Assistant	Jomana Tamer Mohamed Abd Elghany	
Teaching Assistant	Abdelrahman Ahmed Ibrahim Elkotb Habib	
Teaching Assistant	Youssef Hany Abdelwahed Abdelghany Nour	
Teaching Assistant	Sanaa Mohamed Mohamed Azab Abdo	
Teaching Assistant	Mohammed Mamdouh Mohammed Ahmed Abo Raia	
Teaching Assistant	Asmaa Abdelmotlb Youssef Aly	
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.