

Faculty of Engineering & Technology**Physics 3****Information :****Course Code :** PHY 231**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Department of Structural Engineering & Construction Management**Instructor Information :**

Title	Name	Office hours
Lecturer	AHMED MOHAMED ALI ASHOUR AHMED	21
Assistant Lecturer	SHEROUK SOBHI ABDELSALAM FOUDA	4

Description :

Special theory of relativity, Quantization and Max Planck principle, Black body radiation, The photoelectric effect, Wave particle duality and De Broglie Hypothesis, matter waves, Electron microscopes, Uncertainty principle and Heisenberg principle, Wave function for a confined particle, Schrodinger wave differential equation in one dimension, Particle in an infinite potential well, X-rays spectroscopy, Nuclear physics and radiation safety.