

Faculty of Engineering & Technology**Mechanics 2****Information :****Course Code :** MEC 122**Level :** Undergraduate**Course Hours :** 2.00- Hours**Department :** Faculty of Engineering & Technology**Instructor Information :**

Title	Name	Office hours
Lecturer	Hamada Galal Taha Mohamed Askar	6
Assistant Lecturer	Reham Milad Kamel Samaan	
Assistant Lecturer	Noura Khedr Abdul raheem Ahmed	

Description :

Displacement, Velocity and Acceleration of a particle, Use of Cartesian coordinates to describe particle motion, Projectiles, Particle motion on straight paths, Trajectory equations, Rectangular and polar axes , Relative motion of two particles.

Newton's law of motion, Resistive media, Rocket motion as an application on variable mass particles, Simple harmonic motion of a particle, Motion on circular path, Principle of work and Kinetic energy, Conservative forces, Principle of conservation of mechanical energy, Principle of impulse and momentum.