

Faculty of Engineering & Technology

Differential Equations

Information :

Course Code : EMP213

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Mechatronics Engineering

Instructor Information :

Title	Name	Office hours
Lecturer	Ahmed Mostafa Kamel Elsherbeny	
Teaching Assistant	Akram Rabie Hamed Ragheb Tobar	

Description :

Functions of several variables; First order differential equations; Second order linear differential equation; Series solutions of differential equations; Special functions (Bessel Functions and Legendre polynomials); System of linear differential equations; Initial and boundary value problems; Introduction to partial differential equations; Applications of differential equation using MATLAB.