

Faculty of Engineering & Technology**Differential Equations****Information :****Course Code :** EMP213**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Electrical Power Engineering**Instructor Information :**

| Title | Name | Office hours |
|--------------------|--------------------------------|--------------|
| Lecturer | Ahmed Mostafa Kamel Elsherbeny | 1 |
| Assistant Lecturer | Moustafa Raafat Aziz Shousha | |
| 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.