Faculty of Computers and Information Technology

Differential Equation

Information :

Course Code :	BMT 121	**Level**	: Undergraduate	**Course Hours :**	3.00- Hours

Department :	Faculty of Computers and Information Technology

Instructor Information :

Title	Name	Office hours
Lecturer	Ahmed Lotfy Ibrahim Ibrahim El Bably	2
Teaching Assistant	Ahmed Mahmoud Ahmed Mahmoud	

Description :

The course provides students with a basic understanding of the fundamental theorem of calculus, integration by trigonometric substitutions, integration by reduction , applications of definite integral: area, volume, arclengh of a curve. polynomial and series. Topics covered in the course are testing for convergence and divergence of a series, ordinary differential equations like equations of first order (separable, homogenous, exact, linear and Bernoulli), orthogonal trajectories, equations reducible to first order, high order linear equations, the variation of parameters , operation method, Euler's equation, and system of linear differential equations.

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