

**Faculty of Computers and Information Technology**

**Mathematics 1**

**Information :**

**Course Code :** MTH 101

**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	7
Teaching Assistant	Ahmed Mahmoud Ahmed Mahmoud	

**Description :**

Calculus: Derivatives, Trigonometric functions and their derivatives, Chain Rule and Implicit differentiation, Application of derivatives (Extrema of functions and Curve sketching), Differentials and linear Approximation, Indefinite integrals and Change of variables, Definitions, properties and evaluation of definite integrals, Applications of definite integral (area, arc, length and volume and surface area of solid revolution).