

## **Faculty of Engineering & Technology**

## **Transformations & Complex Analysis**

Information:

Course Code: EMP214 Level : Undergraduate Course Hours : 3.00- Hours

**Department:** Computer & Intelligent Systems Engineering

## **Description:**

Theories; Cauchy integral theorem; Singularity and residue theorem; Convolution and Laplace transform; Inverse Laplace transform methods; Conformal mapping; Fundamentals of z transform; Inverse z-transform methods; Difference equation and solution using z-transform technique; Applications using MATLAB.