

Faculty of Engineering & Technology**Transformations & Complex Analysis****Information :****Course Code :** EMP214**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Electrical Power Engineering**Instructor Information :**

Title	Name	Office hours
Lecturer	Hany Abd El Ghaffar Abd El Aty El Deeb	2
Teaching Assistant	Yossif Ibrahim Motawea Ahmed Kasem	

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.