FUTURE UNIVERSITY IN EGYPT
جامعة المستقبل

Faculty of Engineering & Technology

Electrical Circuits 2

Information :

Course Code :	EPR 263	**Level :**	Undergraduate	**Course Hours :**	4.00- Hours

Department : Department of Electrical Engineering

Instructor Information :

Title	Name	Office hours
Associate Professor	Moneer Mohamed Ali Abu-Elnaga	8
Assistant Lecturer	Ahmed Moreab Hussien Mohamed	3
Teaching Assistant	Abeer Tharwat Said Awad	

Description :

Transient analysis in R-L, R-C, and RLC circuits. Steady state power analysis is described for sinusoidal sources. Maximum power transfer theorem. Three phase circuits; connections, transformations, and power measurements, Magnetically coupled circuits: linear transformer equivalent circuits, ideal transformer. Frequency response, Series and parallel resonance circuits, Quality factor, 3 dB bandwidth, Resonance in mutually coupled circuits.

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