

## Faculty of Engineering & Technology

## **Electrical Circuits 1**

Information :		
Course Code : EED201	Level : Undergraduate	te Course Hours : 4.00- Hours
Department : Computer & Intelligent Systems Engineering		
Description :		
Basic electrical quantities, Ohm¢ Law, combinations, Voltage and current divi electric circuits: nodal and mesh analy superposition, Thevenin, Norton and M Time domain and phasor representation relationships, Impedance and admittar Techniques of solving AC electric circu- transformation. Theorems: superposition analysis.	ision, Ë Áransformation. Techr vsis, source transformation. Circu Maximum power transfer. AC sin on, Inductance and capacitance: nce, Voltages and currents phas uits: Nodal analysis, Mesh analy	niques of solving DC uit theorems: nusoidal sources, :: Voltage and current sor diagrams, ysis, and source