

## Faculty of Engineering & Technology

**Electrical Power Engineering** 

Information :						
Course Code :	EED340	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department :	Biomedical Engineering					
Description :						
Composition of Electrical Power Systems: generation, transmission, sub-transmission, distribution and loads. Single-Line Diagrams. Load characteristics: daily load curve, load duration curve, maximum and average loads, load, capacity, utilization, and diversity factors. Economics of power generation: fixed cost, depreciation, running cost. Tariffs and power factor improvement. Per-Unit system. Fault analysis: System modeling under fault conditions, Symmetrical faults. Circuit breakers and switchgear.						