

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.				