

## Faculty of Engineering & Technology

## **Electrical Power Engineering**

Information :						
Course Code :	EED340	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department : Computer & Intelligent Systems Engineering						
Description :						
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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.