ELE3113 POWER SYSTEMS THEORY

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	30	00	60	100	60	40	4

Rationale

The course introduces the students to power systems engineering and covers basic principles about transmission lines (overhead and underground), transformers and generators in power systems.

Course Objectives

- To introduce the students to fundamental concepts relating to the design and management of modern electrical power systems.
- To develop amongst the students an awareness of technical problems associated with operation of such systems.
- To teach the students basic theory and equip them with necessary analytical, numerical and modeling skills for handling particular problems.