	EN8061	Power Systems

Course Aim	Introduce critical knowledge of theories, principles and concepts in the area of designing a complete electrical power system and apply critical analysis techniques to determine its effectiveness.

Short Title		Version	1
Faculty	EDICT	Effective From	September 1, 2018
		Indicative NQF Level	8
Credits	15	Student Contact hrs	60
Pre-requisites	EN7008 & EN8033	Self-directed hrs	90
Co-requisites	None	Other directed hrs	
Anti-requisites	None	Total learning hrs	150

Learning Outcomes	On successful completion of this course, students will be able to:	NQF Sub-strand
1	Demonstrate critical knowledge of theories, principles and concepts for the design of an electrical power system.	Theoretical Understanding
2	Critically analyze and obtain the solution of an electric power system utilizing a suitable algorithm.	Generic, Problem Solving and Analytical Skills
3	Design power systems and communicate the design rationale to a professional standard.	Practical Application of