APPROVED

EN6000: Electrical Fundamentals

Course Details

Course Code:	EN6000
Course Title:	Electrical Fundamentals APPROVED
Short Title:	
Course Level::	Level 6
Valid From::	2016/2017 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	
	This course aims to present the fundamental principles and main theories of electrical engineering providing the students with the basic knowledge and skills within the field of electrical and electronics engineering.

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Apply detailed knowledge to solve electrical problems using DC circuit theorems.
2	Explain the main parameters and basic function of electrical/electronic components.
3	Apply basic practical skills to competently use a range of electrical test/measuring instruments.
4	Implement and test a circuit according to common component/device industry practice and standards.

Requisites	
No requisites	

Examinations			
Assessment Type Examination (Unseen)			

Other Controlled Assessments			
Assessment Type Lab Assignment			

Uncontrolled Assessments			
Assessment Type Practical Project			

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
DET6005	Diploma in Petroleum and Process Plant Operations	3	Programme
ENT6020	Diploma in Engineering Technology (Mechanical)	2	Programme
ENT6040	Diploma in Engineering Technology (Electrical)	2	Programme
ENT6050	Diploma in Engineering Technology (Electromechanical)	1	Programme
ENT6060	Diploma of Engineering Technology (Communications and Networks)	1	Programme
ENT6070	Diploma in Engineering Technology (Chemical and Industrial Processes Engineering)	1	Programme
ENT6071	Diploma in Engineering Technology (Petroleum Refining and Operations)	1	Programme
ENT6080	Diploma in Engineering Technology (Civil)	1	Programme
ENT6090	Diploma in Industrial Instrumentation and Automatic Control	1	Programme
ENT6100	Diploma in Engineering Technology (Automotive Technology)	1	Programme
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT7060	Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
ENT7070	Associate Degree in Engineering Technology (Chemical and Process Engineering)	1	Programme
ENT7080	Associate Degree in Engineering Technology (Civil)	1	Programme
ENT7090	AEngTech Industrial Instrumentation and Automatic Control	1	Programme
ENT8020	Bachelor of Engineering Technology (Mechanical)	3	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	4	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme
ENT8060	Bachelor of Engineering Technology (Communications and Networks)	2	Programme
ENT8070	Bachelor of Engineering Technology (Chemical and Industrial Processes Engineering)	1	Programme
ENT8080	Bachelor of Engineering Technology (Civil)	1	Programme
ENT8090	Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control)	1	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	Copy Of Diploma in Engineering Technology (Electrical)	1	Programme
No Code Yet	Diploma in Engineering Technology (	1	Programme