

# 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:	ethod: 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		