APPROVED

EN6914: Mathematics for Engineers 2

Course Details

Course Code:	EN6914
Course Title:	Mathematics for Engineers 2 APPROVED
Short Title:	Maths 2
Course Level::	Level 6
Valid From::	2022/2023 Sem 1

Credits::	15

Owner:	Engineering Technology

Assessment Method:	Achievement

Course Aim	To provide students with detailed knowledge and understanding of differential and integral calculus, and develop the ability to formulate and solve models of simple engineering systems.

EN6914: Mathematics for Engineers 2

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Demonstrate detailed knowledge of the principles of important functions used in the mathematical and engineering sciences
2	Demonstrate detailed knowledge of the fundamental concepts of limits and evaluate the limits of functions.
3	Solve advanced engineering problems by applying differentiation and integration methods
4	Solve second and higher order differential equations for engineering applications.
5	Demonstrate detailed knowledge of and use the basic concepts of probability and statistics in the engineering problem-solving process
6	Demonstrate detailed knowledge of and apply sequences and series for engineering applications

Requisites
No requisites

Examinations	
Assessment Type Examination (Unseen)	
Assessment Type Examination (Unseen)	
No Other Controlled Assessments	
Uncontrolled Assessments	
Assessment Type Project (Group)	

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