

**APPROVED**

## EN6914: Mathematics for Engineers 2

Course Details	
Course Code:	EN6914
Course Title:	Mathematics for Engineers 2 <b>APPROVED</b>
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.

<b>CILO</b>	
<i>On Completion of this course, the learner will be able to</i>	
<b>#</b>	<b>Learning Outcome Description</b>
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
<b>Requisites</b>	
<i>No requisites</i>	

Examinations
<b>Assessment Type</b> Examination (Unseen)
<b>Assessment Type</b> Examination (Unseen)
No Other Controlled Assessments
Uncontrolled Assessments
<b>Assessment Type</b> Project (Group)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT6020	Diploma in Engineering Technology (Mechanical)	1	Programme
ENT6040	Diploma in Engineering Technology (Electrical)	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
ENT8020	Bachelor of Engineering Technology (Mechanical)	2	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	3	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	1	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	1	Programme
ENT8060	Bachelor of Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme