

**APPROVED**

## EN6914: Mathematics for Engineers 2

### Course Details

Course Code:	EN6914
Course Title:	Mathematics for Engineers 2 <b>APPROVED</b>
Short Title:	
Course Level::	Level 6
Valid From::	2019/2020 Sem 2
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To provide students with detailed understanding of differential and integral calculus, and develop the ability to formulate and solve models of simple engineering systems.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate an understanding of the principles of important functions used in the mathematical and engineering sciences
2	Demonstrate an understanding 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 an understand of and use the basic concepts of probability and statistics in the engineering problem-solving process
6	Demonstrate an understand of and apply sequences and series for engineering applications
Requisites	
No requisites	

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

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
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
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme