

APPROVED

EN6907: Mathematics for Engineers 1

Course Details

Course Code:	EN6907
Course Title:	Mathematics for Engineers 1 APPROVED
Short Title:	
Course Level::	Level 6
Valid From::	2019/2020 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	The course is designed to give students detailed knowledge and understanding of a wide range of applications of mathematics in engineering.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Solve advanced applications of linear systems
2	Apply trigonometry to solve engineering problems
3	Apply principles of exponential and logarithmic growth and decay
4	Apply various differentiation and Integration methods to routine engineering problems
5	Solve first order differential equations for engineering applications
6	Apply numerical methods for solving engineering problems.
7	Demonstrate an understanding of the concepts of complex numbers in engineering
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
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