APPROVED

EN6902: Engineering Mechanics 2

Course Details

Course Code:	EN6902
Course Title:	Engineering Mechanics 2 APPROVED
Short Title:	EM2
Course Level::	Level 6
Valid From::	2018/2019 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	This course introduces the fundamentals of statics in engineering mechanics and develops students' skills in solving statics engineering problems

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Determine unknown forces for non-concurrent force systems such as pin-jointed frameworks using graphical and analytical techniques.
2	Select appropriate beams for engineering applications by calculating stresses, and considering mechanical and material properties, in standard and non-standard beam sections.
3	Size shafts for given torque loading by calculating twisting properties and shear stresses.

Requisites

- Pre Requisite: EN6907 and EN6903

Examinations
Assessment Type Examination (Unseen)

No Other Controlled Assessments

Uncontrolled Assessments
Assessment Type Practical Project
Assessment Type Practical Project

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
ENT6020	Diploma in Engineering Technology (Mechanical)	2	Programme
ENT6080	Diploma in Engineering Technology (Civil)	1	Programme
ENT6100	Diploma in Engineering Technology (Automotive Technology)	1	Programme
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT7080	Associate Degree in Engineering Technology (Civil)	1	Programme
ENT8020	Bachelor of Engineering Technology (Mechanical)	3	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme
ENT8080	Bachelor of Engineering Technology (Civil)	1	Programme