

## 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	