

**APPROVED**

## EN8905: Energy, Environment and Sustainability

### Course Details

Course Code:	EN8905
Course Title:	Energy, Environment and Sustainability <b>APPROVED</b>
Short Title:	Energy and Sustainability
Course Level::	Level 8
Valid From::	2020/2021 Sem 2
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To provide engineering students with understanding of principles and concepts of earth system, energy systems, end use technologies to meet energy demands in a sustainable manner and in line with energy policy and politics.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate a critical knowledge of the principles and concepts underlying earth system, environment and global energy balance.
2	Assess current and potential future energy systems to meet regional and global energy needs in a sustainable manner.
3	Investigate the interaction between environment, energy and policy and debate the contending viewpoints on these issues.
Requisites	
<ul style="list-style-type: none"> <li>Pre Requisite: Minimum of 30 credits at level 7 from the B.Engineering Technology Programme</li> </ul>	

<b>Examinations</b>
<b>Assessment Type</b> Examination (Unseen)
<b>Other Controlled Assessments</b>
<b>Assessment Type</b> Presentation
<b>Uncontrolled Assessments</b>
<b>Assessment Type</b> Project (Group)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT8020	Bachelor of Engineering Technology (Mechanical)	3	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	4	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme
ENT8060	Bachelor of Engineering Technology (Communications and Networks)	2	Programme
ENT8070	Bachelor of Engineering Technology (Chemical and Industrial Processes Engineering)	1	Programme
ENT8080	Bachelor of Engineering Technology (Civil)	1	Programme
ENT8090	Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control)	1	Programme
Mechanical Options	Mechanical Options	1	Group