

APPROVED

EN8231: Control System Design

Course Details

Course Code:	EN8231
Course Title:	Control System Design APPROVED
Short Title:	Control systems
Course Level::	Level 8
Valid From::	2021/2022 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To apply analysis and design techniques for the control of feedback systems and to apply the specification, analysis and design of feedback control systems using software simulation and control design software.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate critical knowledge related to the analysis of stability and performance in closed-loop control systems.
2	Apply specialist skills in the advanced analysis and design of feedback control systems using software simulation and control design software.
3	Design, implement, test experimentally and critically analyse the effectiveness of a feedback control system for a practical engineering application.
Requisites	
<ul style="list-style-type: none"> • Pre Requisite: EN7230 and EN8007 • Anti Requisite: EN8230 (ENB7230) 	

Examinations
Assessment Type Examination (Unseen)
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Practical Project
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Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	1	Programme
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
BFA8800	Bachelor of Film and Animation	2	Programme
BFA8801	Bachelor of Filmmaking	1	Programme
BFA8802	Bachelor of Animation and Visual Effects	1	Programme
BWM8000	Bachelor of Web Media	3	Programme
DES8000	Bachelor of Visual Design	3	Programme
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
ICT7011	Associate Degree in Information and Communications Technology (Programming Major)	1	Programme
ICT7022	Associate Degree in Information and Communications Technology (Information Systems)	1	Programme
ICT7041	Associate Degree in Information and Communications Technology (Database Systems Major)	1	Programme
ICT7051	Associate Degree in Information and Communications Technology (Cyber Security)	1	Programme
ICT8022	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8031	Bachelor of Information and Communications Technology (Networking Major)	1	Programme
ICT8041	Bachelor of Information and Communications Technology (Database Systems Major)	1	Programme
ICT8051	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
MCS8000	Minor in Control Systems	1	Programme
No Code Yet	Copy Of Bachelor of Information and Communications Technology (Cyber Security Major)	1	Programme
NEDICTE	Non-EDICT Electives	1	Group