

APPROVED

IT6003: Networks and Data Communications

Course Details

Course Code:	IT6003		
Course Title:	Networks and Data Communications	APPROVED	
Short Title:	Networking 1		
Course Level::	Level 6		
Valid From::	2016/2017 Sem 1		
Credits::	15		
Owner:	ICT		
Assessment Method:	Achievement		
Course Aim	To provide students with an understanding of Computer Networking and the practical skills to implement and troubleshoot small to medium computer networks. Students will configure networks and manage the routers. Students will be introduced to the fundamental building blocks of a communication system and to a variety of networking technologies.		

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Explain the fundamentals, concepts and technologies of the TCP/IP and OSI networking models.
2	Design and implement an IP addressing scheme using VLSM.
3	Configure, test and verify network devices.
4	Explain how different routing protocols operate in the network.
5	Implement a network infrastructure to a detailed use case.
Requisites	
No requisites	

Examinations
Assessment Type Examination (Practical)
Assessment Type Examination (seen/open book)
Other Controlled Assessments
Assessment Type Multiple-choice test
Uncontrolled Assessments
Assessment Type Practical Project

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ICT8010	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
ICT8020	Bachelor of Information and Communications Technology (Management Information Systems Major)	2	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	test Bachelor of Information and Communications Technology	1	Programme