


AMOU UNIVERSITY
“A Vehicle for Peace and Development”
AMOU UNIVERSITY



FACULTY OF COMPUTING AND ICT

DIPLOMA IN INFORMATION TECHNOLOGY PROGRAMME

ACADEMIC YEAR 2016/ 2017

COURSE DESCRIPTION

DIT 402	Computer Networks		
Contact Hours	45		
Pre-requisite	N/A		
Purpose/Aim	The course introduces students to the basics concepts of.		
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> • Students are required to learn about. 		
Course Content	<ul style="list-style-type: none"> • Uses of computer networks; • Network hardware and software; • Review of reference models; • Example networks; • Review of data communications services and standards; • Review of the OSI model; Network layer design issues; • Routing algorithms; Congestion control algorithms; • Internetworking; The network layer in the internet; The network layer in ATM networks; • Introduction to TCP/IP; The TCP/IP model; • Comparison of OSI & TCP/IP models; • The world wide web; • Multimedia. 		
Learning & Teaching Methodologies	Lectures, tutorials		
Instructional Materials/Equipment	Classroom with audio visual aids Computer laboratory		
Course Assessment	Type	Weighting (%)	
	Final Examination	60	
	Mid Term Examination	20	
	Assignment	10	
	Attendance	10	
	Total	100	
Recommended Reading	Title	Author	Publisher



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Additional Reading			
Other Support Material	A variety of multimedia systems and electronic information resources as prescribed by the lecturer. Various application manuals, URL search and journals.		