


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 303	Contemporary Information Systems Development		
Contact Hours	45		
Pre-requisite	N/A		
Purpose/Aim	The course introduces students to object oriented technology, and unified modeling language.		
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> Students are required to know object oriented technology, and unified modeling language, and how to apply these techniques in software engineering and software development. 		
Course Content	<ul style="list-style-type: none"> Evolution of Object Oriented Programming Languages; Introduction to object Technology concepts and terminology: abstraction, encapsulation, inheritance, polymorphism, class, objects, methods, messages; UML Software development process: USDP phases: Inception, Elaboration, construction, transition; USDP Disciplines: business modeling, requirements design, implementation, testing, deployment; Iterative and incremental development; UML: model, diagram, Diagrams provided in UML; Object Oriented Analysis: use cases, class diagrams; Object Oriented Design: Sequence diagrams, state chart Diagrams, collaboration and interaction as well as Package Diagrams. 		
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.		