


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



FACULTY OF COMPUTING AND ICT

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY PROGRAMME

ACADEMIC YEAR 2015/ 2016

COURSE DESCRIPTION

BIT 324	Systems Analysis and Design		
Contact Hours	39		
Pre-requisite	BIT 212 Computer Organization and Architecture		
Purpose/Aim	This course presents the fundamental methodology and process for the analysis and design of a computer-based information system		
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> • The learner can describe the life cycle approach to information systems development • The learner can use the tools of systems analysis and design to design a business information system 		
Course Content	<ul style="list-style-type: none"> • Overview of information systems development • The life cycle approach to information systems development • Problems definition • Systems requirements development • Data gathering techniques • Feasibility analysis • Systems analysis techniques • Application of analysis techniques in IS. (case studies) • Data oriented Systems design(ERD) • Systems implementation • System introduction and commissioning • Systems maintenance • Systems retirement / re-engineering 		
Learning & Teaching Methodologies	Lectures, tutorials and systems development case studies		
Instructional Materials/Equipment	Classroom with audio visual aids		
Course Assessment	Type	Weighting (%)	
	Final Examination	60	
	Mid Term Examination	20	
	Assignment	10	
	Attendance	10	
	Total	100	
Recommended	Title	Author	Publisher



AMOUD UNIVERSITY
“A Vehicle for Peace and Development”

Reading	Systems Analysis and Design.	Kenneth E. Kendall, Julie E. Kendall	Prentice Hall (2001)
Additional Reading	Object-Oriented Systems Analysis and Design using UML	Bennett,S.,McRobb, S. & Farmer, R.	MacGraw Hill (2006).
	IS development: methodologies, techniques and tools.	Avison D, Fitzgerald G.	McGraw Hill (2001)
Other Support Material	A variety of multimedia systems and electronic information resources as prescribed by the lecturer.		