


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 421	BSc IT Individual Project	
Contact Hours	N/A	
Pre-requisite	All Specialization area core courses in database, programming, web development and multimedia systems	
Purpose/Aim	The main aim of this course is to give learners the experience of developing a software engineering project in teams.	
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> • The learner can demonstrate the consolidation and integration of the understanding of computer systems design, • The learner can tackle and successfully complete a computing problem of some complexity, and gain experience in self - organization, project planning and control. • The learner can implement a system prototype in the project period after which the student shall submit a project report that will include. • The learner can produce introductory material on the choice of the project, the terms of reference, the plan, any changes, the conduct of the study and the achievement; • The learner can provide a critique of what has been done including both an evaluation of the achievements of the project against original aims and a comparison of practice with the theory taught elsewhere on the course; a survey of relevant literature. 	
Course Content	Candidates to undertake either:- <ul style="list-style-type: none"> • Network Projects (implementing functional networks) through simulation software or physically. 	



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	<ul style="list-style-type: none"> • Computer Programming Projects (writing a working program) and creating a setup/installation file for it. • Web Development Projects (Implementing a web-based system) hosted on local server and in possible cases online. • Multimedia Systems (Preparing a good audio-visual documentary). • Research Based Projects (Write a Thesis on a chosen topic). 		
Learning & Teaching Methodologies	The major part of this course will be covered by independent study. The contact time will be used to provide relevant lectures and for regular progress meeting between staff and student. Students will produce a system and related documentation, and participate in an oral presentation of their work.		
Instructional Materials/Equipment	Computer Laboratory Internet Access		
Course Assessment	Type	Weighting (%)	
	Continuous Assessment	100	
Recommended Reading	Title	Author	Publisher
	No recommended course texts, however, the students will reference various sources based on their project areas.		
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.		