

APPROVED**IT6008: Computer Programming 1****Course Details**

Course Code:	IT6008
Course Title:	Computer Programming 1 APPROVED
Short Title:	CP1
Course Level::	Level 6
Valid From::	2020/2021 Sem 2
Credits::	15
Owner:	ICT
Assessment Method:	Achievement
Course Aim	To provide students with an overview of programming, problem-solving, testing and debugging. It explores many fundamental programming concepts with emphasis on applying theoretical knowledge to a practical situation. It will introduce students to problem-solving with a view to meeting user requirements and designing solutions to programming problems.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate detailed knowledge of primitive data types and basic data structures
2	Describe the sequence of steps that a computer takes to translate source code into executable code
3	Use diagrams to design solutions for programming problems from a problem description
4	Create and test programming solutions to problems using the Java programming language in accordance with best practice, industry standards and professional ethics and following programming and documentation conventions
5	Analyse and debug existing programs by following a test plan
Requisites	
No requisites	

Examinations
Assessment Type Examination (Practical)
Assessment Type Examination (Practical)
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Online Quiz

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	test Bachelor of Information and Communications Technology	1	Programme