

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

Course Code:	IT6008
Course Title:	Computer Programming 1 <b>APPROVED</b>
Short Title:	CP1
Course Level::	Level 6
Valid From::	2021/2022 Sem 1
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
<b>Assessment Type</b> Examination (Practical)
<b>Assessment Type</b> Examination (Practical)
No Other Controlled Assessments
Uncontrolled Assessments
<b>Assessment Type</b> Online Quiz

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	1	Programme
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
BFT8100	Bachelor of Science in Financial Technology	1	Programme
ICT6010	Diploma in Information and Communications Technology	4	Programme
ICT6045	Diploma in Web Development	1	Programme
ICT7011	Associate Degree in Information and Communications Technology (Programming Major)	1	Programme
ICT7022	Associate Degree in Information and Communications Technology (Information Systems)	1	Programme
ICT7041	Associate Degree in Information and Communications Technology (Database Systems Major)	1	Programme
ICT7051	Associate Degree in Information and Communications Technology (Cyber Security)	1	Programme
ICT8010	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
ICT8020	Bachelor of Information and Communications Technology (Management Information Systems Major)	2	Programme
ICT8021	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8022	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8030	Bachelor of Information and Communications Technology (Networking Major)	2	Programme
ICT8031	Bachelor of Information and Communications Technology (Networking Major)	1	Programme
ICT8040	Bachelor of Information and Communications Technology (Database Systems Major)	3	Programme
ICT8041	Bachelor of Information and Communications Technology (Database Systems Major)	1	Programme
ICT8050	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
ICT8051	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
No Code Yet	Copy Of Bachelor of Information and Communications Technology (Cyber Security Major)	1	Programme
No Code Yet	test Bachelor of Information and Communications Technology	1	Programme