

Faculty	Natural Sciences		
Home Department	Computer Science		
Module Topic	Computer Science 114/124		
Generic Module Name	Computing Fundamentals		
Alpha-numeric Code	COS114		
NQF Level	5		
NQF Credit Value	15		
Duration	Semester		
Proposed semester to be offered	First Semester		
Programmes in which the module will be offered	BSc (Applied Geology) (3214); BSc (Biotechnology) (3211); BSc (Medical Bioscience) (3230); BSc (Computer Science) (3221); BSc (Mathematical & Statistical Sciences) (3227); BSc (Physical Science) (3233)		
Year level	1		
Main Outcomes	<p>On completion of this module students should be able to:</p> <ul style="list-style-type: none"> • Use computers (including e-mail and Internet), Software and multimedia to create and edit documents. • Skillfully use of worksheets and databases. • Integrate different application software packages. • Understand programs, data, files and file organization on a computer system, computer architecture, the computer marketplace; local area networks, and e-mail; the Internet, data security and control. 		
Main Content	<p>Practical Concepts:</p> <ul style="list-style-type: none"> • Introduction to an operating system, e-mail and the Internet. • Applications software including word processing and spreadsheets; introduction to database management; introduction to presentation graphics; and the integration of the above mentioned application programs. <p>Theoretical Concepts:</p> <ul style="list-style-type: none"> • System programs; data and data organization. • Files and records, file management. • Principles and usage of basic software. • Systems programs; data and data organization. • Computer architecture; The computer marketplace. • Local area networks and e-mail. • The Internet, data security and control. 		
Pre-requisite modules	None		
Co-requisite modules	None		
Prohibited module Combination	Computer Literacy modules offered by other faculties and departments.		
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
<i>Contact with lecturer / tutor:</i>	32	<i>Lectures p.w.</i>	3
<i>Assignments & tasks:</i>	10	<i>Practicals p.w.</i>	3
<i>Practicals:</i>	32	<i>Tutorials p.w.</i>	1
<i>Tutorials:</i>	0		
<i>Tests & Examinations:</i>	10		
<i>Selfstudy:</i>	66		
<i>Other:</i>	0		

Total Learning Time	150			
Methods of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
Assessment Module type	Continuous Assessment (CA)			