

<b>Faculty</b>	Natural Sciences		
<b>Home Department</b>	Computer Science		
<b>Module Topic</b>	Computer Science 114/124		
<b>Generic Module Name</b>	Computing Fundamentals		
<b>Alpha-numeric Code</b>	<b>COS124</b>		
<b>NQF Level</b>	5		
<b>NQF Credit Value</b>	15		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	Second Semester		
<b>Programmes in which the module will be offered</b>	BSc (Applied Geology) (3214); BSc (Biotechnology) (3211); BSc (Medical Bioscience) (3230); BSc (Computer Science) (3221); BSc (Mathematical & Statistical Sciences) (3227); BSc (Physical Science) (3233)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module students should be able to:</p> <ul style="list-style-type: none"> <li>• Use computers (including e-mail and Internet), Software and multimedia to create and edit documents.</li> <li>• Skillfully use of worksheets and databases.</li> <li>• Integrate different application software packages.</li> <li>• 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.</li> </ul>		
<b>Main Content</b>	<p><b>Practical Concepts:</b></p> <ul style="list-style-type: none"> <li>• Introduction to an operating system, e-mail and the Internet.</li> <li>• Applications software including word processing and spreadsheets; introduction to database management; introduction to presentation graphics; and the integration of the above mentioned application programs.</li> </ul> <p><b>Theoretical Concepts:</b></p> <ul style="list-style-type: none"> <li>• System programs; data and data organization.</li> <li>• Files and records, file management.</li> <li>• Principles and usage of basic software.</li> <li>• Systems programs; data and data organization.</li> <li>• Computer architecture; The computer marketplace.</li> <li>• Local area networks and e-mail.</li> <li>• The Internet, data security and control.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	Computer Literacy modules offered by other faculties and departments.		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	32	<i>Lectures p.w.</i>	3
<i>Assignments &amp; 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 &amp; Examinations:</i>	10		
<i>Selfstudy:</i>	66		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student</b>	Continuous Assessment (CA): 100%		

<b>Assessment</b>	Final Assessment (FA): 0%
<b>Assessment Module type</b>	Continuous Assessment (CA)