

Module code	SC-1281		
Module Title	Computing Skills for Chemistry		
Degree/Diploma	Bachelor of Science (Chemistry)		
Type of Module	Major Core		
Modular Credits	4	Total student Workload	10 hours/week
		Contact hours	4 hours/week
Prerequisite	None		
Anti-requisite	SC-1381 Computing Skills for Chemistry		
Aims			
To use relevant software and online resources for effective communication and transmission of chemical information.			
Learning Outcomes			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order:	10%	- identify and recognise available computer programs and software that are relevant to chemistry and be able to use them	
Middle order:	10%	- apply these computer programs and software in addressing chemistry tasks and problems - collect, analyse and manage chemical information using these programs and software	
Higher order:	80%	- transform chemical information from one domain to another - create, design and visualise chemical information - interpret the results of analyses and online scientific material in a critical manner - produce reports and presentation materials for effective verbal, written, online communication and scientific publication - work independently and in a group become an effective team player	
Module Contents			
<ul style="list-style-type: none"> - Software, freeware and applications that are useful to the practice and communication of chemistry to scientific peers and general public - Using software for drawing chemical structures and laboratory setups - Using software for data collection, tabulation and analyses - Using software for creating softcopy and hardcopy presentation materials (posters, slide presentations) - Online scientific literature search strategies and search engines - Using software for collecting and managing scientific literature - Using software to create publication-style reports and documents - Note that this module is not software-specific due to dynamic and transient nature of available software 			
Assessment	Formative assessment	Weekly Computing Exercises And Feedback	
	Summative assessment	Coursework: 100% - 8 Individual Written Reports (50%) - 3 Computer-Based Examinations (50%)	