

Faculty	Natural Sciences		
Home Department	Mathematics and Applied Mathematics		
Module Topic	Mathematics for Life Sciences and Pharmacy		
Generic Module Name	Mathematics 115		
Alpha-numeric Code	MAM115		
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, 3011) BSc (Biotechnology) (3211, 3007) BSc (Chemical Sciences) (3019, 3220) BPharmacy (3305)		
Year level	1		
Main outcomes:	On completion of this module students should be able to: <ul style="list-style-type: none"> • Implement mathematical methods and techniques of Differential and Integral calculus in the Life Sciences and Pharmacy. 		
Main content:	<ul style="list-style-type: none"> • Functions and limits • differentiation • curve sketching and applications of differentiation • integration 		
Pre-requisite modules	None		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
<i>Contact with lecturer / tutor:</i>	39	<i>Lectures p.w.</i>	3
<i>Assignments & tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	13	<i>Tutorials p.w.</i>	1
<i>Assessments::</i>	25		
<i>Selfstudy:</i>	50		
<i>Other:</i>	13		
Total Learning Time	150		
Methods of Student Assessment	Continuous Assessment (CA):100% Final Assessment (FA): 0%		
Assessment Module type	Continuous Assessment (CA)		