

Faculty	Natural Sciences		
Home Department	Earth Sciences		
Module Topic	Earth Processes		
Generic Module Name	Earth Science 121		
Alpha-numeric Code	ESC121		
NQF Level	5		
NQF Credit Value	15		
Duration	Semester		
Proposed semester to be offered	Second Semester		
Programmes in which the module will be offered	BSc (Applied Geology) (3214, 3011); BSc (Biodiversity and Conservation Biology) (3217, 3015); BSc (Environmental & Water Science) (3331, 3027); BSc (Physical Science) (3233)		
Year level	1		
Main Outcomes	On completion of this module students should be able to: <ul style="list-style-type: none"> • Explain the main processes active in the atmosphere hydrosphere, biosphere and lithosphere. 		
Main Content	<ul style="list-style-type: none"> • The Earth's atmosphere and radiation balance • The Earth's global wind circulation • Atmospheric circulation and weather over South Africa • The hydrological cycle • Drainage basin characteristics • Surface and subsurface water • Fluvio-geomorphic processes and landforms • Weathering and mass wasting • Structural landforms and earthquakes 		
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>	56	<i>Lectures p.w.</i>	3
<i>Assignments & tasks:</i>	8	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	42	<i>Tutorials p.w.</i>	1
<i>Assessments:::</i>	10		
<i>Selfstudy:</i>	34		
<i>Other:</i>	0		
Total Learning Time	150		
Methods of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
Assessment Module type	Continuous and Final Assessment (CFA)		