

<b>Faculty</b>	Natural Sciences		
<b>Home Department</b>	Statistics and Population Studies		
<b>Module Topic</b>	Multivariate Analysis		
<b>Generic Module Name</b>	Statistics 701		
<b>Alpha-numeric Code</b>	<b>STA701</b>		
<b>NQF Level</b>	8		
<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 Hons (Population Studies) (3738); BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)		
<b>Year level</b>	7		
<b>Main Outcomes</b>	<p>On completion of this module students should be able to:</p> <ul style="list-style-type: none"> <li>Analyze a multivariate data set using an appropriate statistical technique required by the research hypothesis and execute various techniques to check for the assumption of normality.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Data summaries and graphical techniques, analysis and covariance structures, inferences about multivariate and linear models, multivariate normality, discrimination and classification</li> </ul>		
<b>Pre-requisite modules</b>	STA331; STA332; Matrix Methods STA734 or equivalent; knowledge of SAS		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<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>	21	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	30	<i>Tutorials p.w.</i>	0
<i>Tutorials:</i>	0		
<i>Tests &amp; Examinations:</i>	5		
<i>Selfstudy:</i>	60		
<i>Other:</i>	4		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		