

Faculty	Natural Sciences		
Home Department	Statistics and Population Studies		
Module Topic	Advanced Inference & Linear Models		
Generic Module Name	Statistics 332		
Alpha-numeric Code	STA332		
NQF Level	7		
NQF Credit Value	30		
Duration	Semester		
Proposed semester to be offered	Second Semester		
Programmes in which the module will be offered	BSc (Mathematics and Statistical Sciences) (3227,3031)		
Year level	3		
Main Outcomes	<p>On completion of this module students should be able to:</p> <ul style="list-style-type: none"> • Execute advanced linear models for estimation. • Perform advanced analysis of variance and multivariate regression. • Design and execute data analysis using statistical package; • Write reports summarizing and interpreting results. 		
Main Content	<p><i>Advanced Inference and linear models</i></p> <ul style="list-style-type: none"> • Advanced linear models • Analysis of variance and advanced regression analysis. • Understanding and interpretation of computer output 		
Pre-requisite modules	STA211 and STA221		
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>	130	<i>Lectures p.w.</i>	3
<i>Assignments & tasks:</i>	50	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	50	<i>Tutorials p.w.</i>	1
<i>Tutorials:</i>	0		
<i>Tests & Examinations:</i>	10		
<i>Selfstudy:</i>	60		
<i>Other:</i>	0		
Total Learning Time	300		
Methods of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
Assessment Module type	Continuous and Final Assessment (CFA)		