STATISTICS

Those students who have completed Statistics as a principal subject at the 2000 level shall be eligible for selection to an Honours Degree in Statistics at the end of the second year subjected to their fulfilment of compulsory requirements for the Honours Degree in Statistics.

1000 LEVEL - STATISTICS					
Course Code	Course Title	No. of Credits	Pre- requisites	Compulsory	
				Hons.	B.Sc.
STA1013	Introduction to Statistics	3		\checkmark	\checkmark
STA1023	Introduction to Probability Theory	3		\checkmark	\checkmark
STA1031	Statistics Applications I	1	STA1013	\checkmark	\checkmark
STA1041	Statistics Applications II	1	STA1031	\checkmark	\checkmark
STA1073	Mathematics for Operations Research	3			
Total		11		08	08

2000 LEVEL - STATISTICS						
Course	Course Title	No. of	Pre-	Compulsory		
Code	Course The	Credits	requisites	Hons.	B.Sc.	
STA2013	Probability Theory	3	STA1023	2	N	
	Trobability Theory	5	MAT1023	v	vulsory B.Sc. √ √ √	
STA2033	Theory of Statistics	3	STA2013	\checkmark	\checkmark	
STA2042	Sampling Techniques	2	STA2033	\checkmark	\checkmark	
STA2102	Statistical Quality Control	2	STA2033	\checkmark		
Total		10		10	08	

3000 LEVEL - STATISTICS						
Course Code	Comment Title	No. of Credits	Pre- requisites	Compulsory		
	Course Thie			Hons.	B.Sc.	
STA3013	Regression Analysis	3	STA2033	\checkmark	\checkmark	
STA3033	Design and Analysis of experiments	3	STA2033	\checkmark	\checkmark	
STA3052	Multivariate Methods I	2	STA1031 STA2033	\checkmark		
STA3072	Time Series Analysis	2	STA2033	\checkmark		
STA3093	Non-Parametric & Categorical Data Analysis	3	STA2033	\checkmark	\checkmark	
STA3113	Statistical Simulation	3		\checkmark		
STA3131	Advanced Statistical Applications I	1	STA1041 STA2033			
STA3141	Advanced Statistical Applications II	1	STA3121			

STA3213	Statistics for Scientists	3		
STA3252	Scientific Writing and Presentation	2	\checkmark	
Total		23	20	09

4000 LEVEL - STATISTICS						
Course Code	C TIN	No. of Credits	Pre- requisites	Compulsory		
	Course Thie			Hons.		
STA4012	Actuarial Statistics	2	STA2033			
STA4023	Statistical Data Mining	3	STA3053			
STA4033	Statistics for Bioinformatics	3	STA3093			
STA4043	Stochastic Processes	3	STA2033			
STA4053	Multivariate Methods II	3	STA3053	\checkmark		
STA4063	Bayesian Statistics	3	STA2033			
STA4073	Linear Models	3	STA2033	\checkmark		
STA4083	Reliability Theory and Survival Analysis	3	STA2033			
STA4112	Advanced Probability Theory	2	STA2033 MAT1053			
STA4122	Asymptotic Theory	2	STA4112			
STA4203	Medical Statistics	3	STA2033			
STA4212	Spatial Statistics	2	STA2033			
STA4222	Special Topics in Statistics	2				
SCI4003	Industrial Training	3				
STA4996	Research Project	6	STA3141 STA3252	\checkmark		
Total		43		12		