

## SUMMARY OF COURSES OFFERED

### PRINCIPAL SUBJECT AREA

### STATISTICS

<b>100 LEVEL – STATISTICS</b>					
Course Number	Course Title	No: of credits	Prerequisites	Compulsory for	
				General degree	Special degree
ST 101	Introduction to Statistics	3		√	√
ST 102	Introduction to Probability Theory	3		√	√
ST 103	Statistics Applications I	1	ST 101	√	√
ST 104	Statistics Applications II	1	ST 101	√	√
MT105	Real Analysis I	3			
ST 105**	Mathematics for Statistics	3			
	<b>Total</b>	<b>14</b>			

\*\* Equivalent to MT 107 offered by the Department of Mathematics

<b>200 LEVEL – STATISTICS</b>					
Course Number	Course Title	No: of credits	Prerequisites	Compulsory for	
				General degree	Special degree
ST 201	Probability Theory	3	ST 102	√	√
ST 202††	Applied Statistics	2			
ST 203	Theory of Statistics	3	ST 201	√	√
ST 204	Sampling Techniques	2	ST 203	√	√
ST 205	Statistical Simulation	2	ST 203		
ST 206	Introduction to Data Mining	2	CS 101, ST 101		
MT 202	Real Analysis II	3	MT 105		
MT 204	Mathematical Methods	3			
MT 207	Numerical Analysis I	2			
MT 209	Graph Theory	2			
	<b>Total</b>	<b>24</b>			

†† For students who do not offer Statistics as a major subject

<b>300 LEVEL – STATISTICS</b>					
Course Number	Course Title	No: of credits	Prerequisites	Compulsory for	
				General	Special
ST 301	Regression Analysis	3	ST 203	√	√
ST 302	Statistical Quality Control	2	ST 203		√
ST 303	Design and Analysis of Experiments	3	ST 203	√	√
ST 305	Multivariate Methods I	2	ST 105, ST 203		√
ST 306	Data analysis & Preparation of Reports	1	ST 301, ST 302		√
ST 307	Time Series Analysis	2	ST 203, ST 301		√
ST 308	Bayesian Statistics I	2	ST 203		
ST 309	Non-parametrics & Categorical Data Analysis	3	ST 203	√	√
ST 325	Seminar	1	ST 306, ST 307		√
MT 302	Real Analysis III	3	MT 202		
MT 304	Partial differential Equations	2	ST 105		
MT 308	Combinatorics	2	MT 209		
	<b>Total</b>	<b>26</b>			

<b>400 LEVEL – STATISTICS</b>					
Course Number	Course Title	No: of credits	Prerequisites	Compulsory for	
				General	Special
ST 401	Actuarial Statistics	2	ST 203		√
ST 402	Statistical Data Mining	3	ST 206, CS 409		
ST 403	Statistics for Bioinformatics	2			
ST 404	Stochastic Processes	2	ST 201, ST 203		√
ST 405	Multivariate Methods II	2	ST 305		√
ST 406	Bayesian Statistics II	2	ST 308		
ST 407	Linear Models	3	ST 105, ST 203		√
ST 408	Reliability Theory and survival analysis	3	ST 203		
CS 409	Neural networks and Fuzzy logics	3			
ST 426	Research project	6			√
	<b>Total</b>	<b>28</b>			