COURSE STRUCTURE
PROGRAMME: B.SC. STATISTICS
LEVEL: 100
SEMESTER: FIRST

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	GSS 101	Use of English and Library I	2	2		
	GSS 111	Introduction to Computer Studies	2	1	1	
Core Courses	MTH 111	General Mathematics1 (Algebra and Trigonometry)	3	3		
	STA 111	Basic Statistics	3	3		
	PHY 101	General Physics I	3	3		
	PHY 181	Laboratory Physics Laboratory I	1		1	
CHOOSE ONE COURSE FROM THE ELECTIVE COURSES						
	BIO 101	General Biology I	3	3		
	CHM 101	General Chemistry I	3	3		
	CHM 107	Chemistry Practical	1		1	
		TOTAL NUMBER OF CREDIT UNITS	**18**			

SEMESTER: SECOND

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	GSS 102	Use of English and Library II	2	2		
	GSS 122	History and Philosophy of Science	2	2		
Core Courses	MTH 112	Coordinate Geometry & Calculus	3	3		
	STA 112	Probability I	3	3		
	PHY 102	General Physics II	3	3		
	PHY 182	Laboratory Physics Laboratory II	1		1	
CHOOSE ONE COURSE FROM THE ELECTIVE COURSES						
	BIO 102	General Biology II	3	3		
	CHM 102	General Chemistry II	3	3		
	CHM 108	Chemistry Practical II	1		1	

		TOTAL NUMBER OF CREDIT UNITS	18			

LEVEL: 200
SEMESTER: FIRST

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	GSS 201	Introduction to Entrepreneurial Studies	2	2		
Core Courses	STA 211	Probability II	3	3		
	STA 221	Statistical Inference I	3	3		
	MTH 211	Calculus	3	2		1
	MTH 231	Linear Algebra	3	2		1
	MTH 241	Introductory Algebra	3	3		
	CSC 201	Computer Programming I (FORTRAN)	3	3		
		TOTAL NUMBER OF CREDIT UNITS	**20**			

SEMESTER: SECOND

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	NIL	NIL				
Core Courses	STA 212	Statistical Inference II	3	3		
	STA 222	Statistical Computing I	2		2	
	STA 232	Demography	3	3		
	STA 242	Introduction to Social and Economic Statistics	3	3		
	MTH 212	Introductory Analysis	3	2		1
	MTH 222	Numerical Analysis	3	2		1
	CSC 202	Computer Programming II	2	2		

GROUPING		TOTAL NUMBER OF CREDIT UNITS	19			

LEVEL: 300
SEMESTER: FIRST

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	GSS 300	Introduction to Entrepreneurial Skills	2	2		
Core Courses	STA 311	Probability III	3	3		
	STA 321	Statistical Inference III	3	3		
	STA 331	Regression Analysis I	2	2		
	STA 341	Analysis of Variance I	2	2		
	STA 351	Operations Research I	3	2		
	STA 361	Statistical Computing II	2		2	
	STA 371	Distribution Theory I	3	3		
		TOTAL NUMBER OF CREDIT UNITS	**20**			

SEMESTER: SECOND

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	NIL	NIL				
Core Courses	STA 312	Statistical Quality Control	3	3		
	STA 322	Operations Research II	3	3		
	STA 332	Biometric Methods	3	3		
	STA 342	Time Series Analysis I	3	3		
	STA 352	Sample Survey Theory & Methods I	3	3		
	STA 362	Statistical Computing III	2		2	
	STA 372	Field Exercise	2		2	

		TOTAL NUMBER OF CREDIT UNITS	19			

LEVEL: 400
SEMESTER: FIRST

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	NIL	NIL				
Core Courses	STA 411	Probability IV	3	3		
	STA 421	Time Series Analysis II	3	3		
	STA 431	Multivariate Analysis	3	3		
	STA 441	Regression Analysis II	2	2		
	STA 451	Statistical Inference IV	3	3		
	STA 461	Stochastic Processes	3	3		
	STA 471	Analysis of Variance II	2	2		
		TOTAL NUMBER OF CREDIT UNITS	**19**			

SEMESTER: SECOND

GROUPING	COURSE CODE	COURSE TITLE	CREDIT UNIT	LECTURE HOUR	PRACT. HOUR	TUTORIAL HOUR
General Studies Courses	NIL	NIL				
Core Courses	STA 400	Project	6			6
	STA 412	Sample Survey Theory & Methods II	3	3		
	STA 422	Non-Parametric Statistics	3	3		
	STA 432	Design & Analysis of Experiment	3	3		
	STA 442	Econometrics	3	3		

		TOTAL NUMBER OF CREDIT UNITS	18			