

**2023/2024 ACADEMIC SESSION/FIRST AND SECOND SEMESTERS CURRICULUM.****100LEVEL****CCMAS COURSES.****200 LEVEL - FIRST SEMESTER**

<b>Course Code</b>	<b>Course Title</b>	<b>Status</b>	<b>L</b>	<b>P</b>	<b>T</b>	<b>Total</b>	<b>Prerequisite</b>
STA 211	Statistical Inference II	C	2	0	1	3	STA 111
STA 213	Statistical Methods I	C	2	1	0	3	STA 111
MTH 211	Mathematical Methods I	C	2	0	1	3	MTH 112/121
MTH 212	Elementary Differential Equation I	C	2	0	1	3	MTH 121
MTH 213	Set, Logic & Algebra	C	2	0	0	2	MTH 111
MTH 214	Linear Algebra I	C	2	0	1	3	MTH 111
CMP 211	Computer Programming I	C	2	1	0	3	CMP 111/121
GST 211	History and Philosophy of Science	C	2	0	0	2	

**200 LEVEL - SECOND SEMESTER**

<b>Course Code</b>	<b>Course Title</b>	<b>Status</b>	<b>L</b>	<b>P</b>	<b>T</b>	<b>Total</b>	<b>Prerequisite</b>
STA 221	Probability II	C	3	0	0	3	STA 121
STA 222	Laboratory for inference II	C	2	0	0	2	STA 122
STA 223	Statistics for Physical Sciences	C	2	0	1	3	STA 112
STA 224	Introduction to Social and Economic Statistics	C	2	0	1	3	STA 111
MTH 221	Introduction to Numerical Analysis	C	1	0	1	2	MTH 111
CMP 222	Introduction to Database Management Systems	E	1	1	0	2	CMP 111

CMP 221	Computer Programming II	C	2	1	0	3	CMP 121
ESP 221	Entrepreneurial Processes & Skill Development I	C	2	0	0	2	
GST 222	Peace & Conflict Studies	C	2	0	0	2	

### **INSTRUCTIONS**

- 1) To satisfy the 30 units minimum requirement, (i.e. a minimum of 15 credit units per semester and a maximum of 24 credit units per semester), students should register for courses for which they have the pre-requisite, starting with the carry over courses first.
- 2) All courses registered will count towards graduation.
- 3) Direct entry students are to register all GST courses in 100 level and 200 level respectively.

### **300 LEVEL – FIRST SEMESTER**

<b>Course Code</b>	<b>Course Title</b>	<b>Status</b>	<b>L</b>	<b>P</b>	<b>T</b>	<b>Total</b>	<b>Prerequisite</b>
STA 311	Probability III	C	3	0	0	3	STA 221/121
STA 312	Econometrics	C	2	0	1	3	STA 111
STA 313	Analysis of Variance I	C	2	0	0	2	STA 221
STA 314	Statistical Inference III	C	3	0	0	3	STA 211/222
STA 315	Sampling Theory & Survey Methods	C	3	0	0	3	STA 222
STA 316	Demography I	C	2	0	0	2	STA 221
STA 317	Regression Analysis I	C	2	0	0	2	STA 221
STA 318	Statistical Quality Control	C	3	0	0	3	STA 211
STA 319	Operations Research I	C	3	0	0	3	MTH 212
STA 329	Lab. Field Work for Mathematical Sciences I	C	0	1	0	1	STA 229
MTH 316	Introduction to Mathematical Modeling	E*	2	0	1	3	MTH 211/212
MTH 317	Numerical Analysis I	E*	2	0	1	3	MTH 221

ESP 311	Entrepreneurial Processes & Skill Development I	C	2	0	0	2	
CMP 317	Management Information System	E*	2	0	1	3	

**Note:** E\* : Compulsory Elective - Student should select one from MTH 316, MTH 317 and CMP 317

### 300 LEVEL - SECOND SEMESTER

Course Code	Course Title	Status	L	P	T	Total	Prerequisite
STA 399	SIWES	C		6		6	6 Months

### INSTRUCTIONS

- 1) To satisfy the 32 units minimum requirement for all 300 level students, (i.e. a minimum of 32 credit units for the first semester and 6 credit units (SIWES) for second semester), students should register for courses for which they have the pre-requisite, registering carry over cause first.
- 2) All courses registered will count towards graduation.
- 3) Only student who has carryover less than 12 units are permitted to go for SIWES in second semester, else such students will stay behind in the second semester to sit for the failed courses.

### 400 LEVEL - FIRST SEMESTER

Course Code	Course Title	Status	L	P	T	Total	Prerequisite
STA 411	Probability IV	C	3	0	0	3	STA 311
STA 412	Time Series	C	3	0	0	3	STA 311
STA 413	Design and Analysis of Experiment I	C	3	0	0	3	STA 313
STA 414	Biometrics	E	3	0	0	3	STA 312
STA 415	Bayesian Inference	E	3	0	0	3	STA 313
STA 416	Multivariate Analysis	C	3	0	0	3	STA 313
STA 418	Demography II	E	3	0	0	3	STA 211
STA 417	Stochastic Processes	C	2	0	1	3	STA 311
STA 410	Project Methodology/ Seminar	R	1	1	0	2	

### 400 LEVEL - SECOND SEMESTER

<b>Course Code</b>	<b>Course Title</b>	<b>Status</b>	<b>L</b>	<b>P</b>	<b>T</b>	<b>Total</b>	<b>Prerequisite</b>
STA 421	Operations Research II	C	3	0	0	3	STA 311
STA 422	Regression Analysis II	C	3	0	0	3	STA 317
STA 423	Analysis of Variance II	C	3	0	0	3	STA 313
STA 424	Non-Parametric Methods	C	3	0	0	3	STA 211
STA 425	Psychometrics	E	3	0	0	3	STA 312
STA 426	Statistical Inference V	E	3	0	0	3	STA 311
STA 427	Decision Theory	E	3	0	0	3	STA 312
STA 428	Design & Analysis of Experiment II	E	2	1	0	3	STA 413
STA 429	Statistical Computing	C	2	1	0	3	CMP 211
STA 499	Project	C	0	5	0	6	

### **INSTRUCTIONS**

- 1) To satisfy the 30 units minimum requirement, (i.e. a minimum of 15 credit units per semester and a maximum of 24 credit units per semester), students should register for courses for which they have the pre-requisite, starting with the carry over courses first.
- 2) All courses registered will count towards graduation.
- 3) All core courses must be registered.