MASTER OF STATISTICS (M.STAT) – A REGIONAL PROGRAMME

Introduction
This is a four semester programme with the following objectives:

(i) To produce specialists in various branches of applied Statistics.
(ii) To provide advanced professional training in statistics to holders of good first degrees in statistics combined with economics or mathematics or an allied subject or equivalent qualifications.
(iii) To enhance and improve the knowledge of practicing Statisticians.
(iv) To provide intensive practical training to candidates.
(v) To allow the students to acquire more advanced research methods for data collection, processing, and analysis as well as get exposed to experience in writing a research report in form of a thesis.

Admission:
A first degree in statistics or statistics combined with Economics or Mathematics or an allied subject, from a recognized University. Candidates shall initially be registered for the Postgraduate Diploma in Statistics (Dip. Stat). Candidates with lower qualifications in relevant subjects who have shown some academic growth may also be considered.

Exemption:
Candidates with a Postgraduate Diploma in Statistics of at least Class II, or with a mark of 60% and above in the specialization course, may be exempted from Part 1 of the M. Stat.

Duration:
The programme runs for 4 Semesters and consists of - Coursework for three 15 -week Semesters.

The Dissertation is written one semester of 15 weeks.

Programme Struture

Part 1: Compulsory courses and one specialization course (Semesters I and II).

Part II: One compulsory and one specialization course, and Research Seminar (Semester III).

Part III: Dissertation (Semester IV).

Part I: Semester I		**CU**
Three Compulsory Courses		
STA 7101	Statistical Methods I	4
STA 7102	Statistical Computing I	3
STA 7103	Design and Analysis of Surveys and Experiments I	3
STA 7104	Econometrics I	3
STA 7105	Sampling Technology I	3
Semester II		
Three compulsory courses		
STA 7201	Statistical Methods II	3
STA 7202	Statistical Computing II	3
STA 7103	Design and Analysis of Experiments II	3
STA 7203	Sampling Technology II	4
One Specialization course selected from		**4**
STA 7204	Economic Statistics and National Accounts I	4
STA 7205	Agricultural Statistics I	4
STA 7207	Statistical Computing III	4
STAT 410	Social Statistics I	
STA 7209	Development Planning I	4
STA 7210	Econometrics II	4
STA 7211	Operations Research I	4
STA 7212	Statistical Methods III	4
STA 7215	Labour Statistics I	4
STA 7213	Biostatistics I	4

Part II:
(Third Semester) Compulsory Course and Research Seminar.

Course Units
(i) STA7302 Data Modelling and Analysis 4
(ii) STA7301 Research Seminar 4

Part II:		
One Specialisation Course selected from:		**CU**
STA 7303	Economic Statistics and National Accounts II	4

STA 7305	Agricultural Statistics II	4
STA 7308	Statistical Computing IV	4
STA 7309	Operations Research II	4
STA 7310	Development Planning. II	4
STA 7311	Statistical Methods IV	4
STA 7312	Labour statistics II	4
STA 7313	Biostatistics II	4
STA 7400	Research and Dissertation	4

Part III: Dissertation (6 Course Units):

ii) Common University regulations, will apply. A candidate must have completed Part II before embarking on preparation of a Dissertation.

(ii) Dissertation must be submitted not later than 15th week of the fourth Semester.

(iii) Dissertation may not be more than 100 pages

(iv) Assessment of dissertation and Viva shall be internally arranged by the ISAE.

(v) To pass, a candidate must obtain at least 50%

Award: On successful completion of Part I candidates shall be awarded a Postgraduate Diploma in Statistics classified as:

Over 80% - Class I
60% -79% - Class II
50% -59% - Class III

On successful completion of Parts II & III, the Master of Statistics degree will be awarded.

MASTER OF ARTS IN DEMOGRAPHY (MDMG)

The Master of Arts (Demography) programme is intended to train candidates who hold the B.A. or B.Sc degree in various fields of specialization (for example, sociology, geography, economics, statistics, mathematics, medicine, etc.) in demography for careers in government, academia and the private sector. The postgraduate program in demography is designed to expose the students to substantive and technical demography as well as the social, cultural and economic determinants and consequences of population change.

Candidates are required to take eight compulsory courses in the first year of study (semesters I and II) and take one compulsory course in the recess semester and two electives. In their second year of study, they are required to prepare an acceptable dissertation as a partial fulfilment for the award of MA in Demography.

Structure of the Programme

All courses in semesters I and II are core and must be done by all students and passed with a minim of 2.0 credit points. The course structure of Master of Arts in Demography is as follows.

	Year I: Semester I	**CU**
DMG 7101	Basic Statistics for Population Scientists	3
DMG 7102	Computer Techniques	3
DMG 7103	Basic Demographic Techniques	3
DMG 7104	Migration	3
Semester II		
DMG 7201	Advanced Demographic Techniques	3
DMG 7202	Urban and Rural Development	3
DMG 7203	Mortality	3
DMG 7204	Fertility	3
Recess term: Take One Core Course		
DMG 7301	Research Methods	3
Take 2 Optional Courses		
DMG 7302	Population Trends Inter relationships and Policies	3
DMG 7303	Advanced Statistics for Demographers	3
DMG 7304	Population Growth and Economic Development	3
DMG 7305	Population and Environment	3
DMG 7306	Sociology of Population Dynamics	3
DMG 7307	Mathematical Demography	3
DMG 7308	Monitoring and Evaluation	3
Year II		
DMG 7400	Research and Dissertation	