ASSISTANTSHIP APPLICATION/INFORMATION SHEET   M.S. in Statistics
Department of Statistical Science
University of Idaho
Moscow, ID   83844-1104
stat@uidaho.edu

Application Date **31/01/2020**

Name **Akuoko Serwaa Philomena**   Phone Number **+233 247757528**

Current Address **P. O. BOX ST 217 STADIUM -KUMASI. GHANA**

Permanent Address **P. O. BOX ST 217 STADIUM -KUMASI. GHANA**

Degree	Institution	Location	Date Rcvd.	Major
Bachelor of Science	Kwame Nkrumah University of Science and Technology	Kumasi, Ghana	06/2019	Actuarial Science

Names and addresses of the three people you have asked to send us letters of recommendation.
(Your application will not be reviewed until the letters of recommendation have been received).

1.	Dr. Yao Elikem Ayekple	2.	Mr Vincent K Dedu	3.	Mr Frederick Ameyaw
	Senior lecturer		Senior Lecturer		Senior Audit Officer
	Kwame Nkrumah University of Science and Technology		Kwame Nkrumah University of Science and Technology		Ghana maritime authority
	yeayekple.cos@knust.edu.gh		vkdedu.cos@knust.edu.gh		frederick.ameyaw@ghanamaritime.org

For all mathematics and statistics courses you have taken, list the name of the course, level (junior, senior or graduate) of the course, text used, grade received, length of course (quarter or semester), and a brief description of the course or topics covered in as much detail as possible.

Course **Design of experiment**   Level **senior**

Grade **A**   Length of Course **semester**

Topics Covered: History of design of experiment,factorial designs(basic ideas),
latin squares,statistical analysis (ANOVA, Linear model)

Course **Operations Research**   Level **junior**

Grade **A**   Length of Course **semester**

Topics Covered: Decision theory, Linear Programming(Simplex method, graphical method),
Transportation problem, Assignment Problem.Game Theory

Course **Demographic Statistics**   Level **graduate**

Grade **A**   Length of Course **semester**

Topics Covered: Meaning and uses of Demography, Sources of demographic data, Limitations of demographic data, analysis of age structure, Rates and Ratios, Standardization,
Mortality, Life tables, Fertility and reproduction,mPopulation estimation and projection.

Course **Mathematical Economics 2**   Level **senior**

Grade **A**   Length of Course **semester**

Topics Covered: Review of classical optimization, consumer optimizing behaviour, cross-price elasticity of demand, theory of production

Isoquants, theory of cost, theory of market structures, supply curve of a firm, Perfect competition, Macroeconomics

Course **Sotware Packages**   Level **senior**

Grade **B**   Length of Course **semester**

Discrete Distributions, Continuous Distributions, One Sample T-test,Two Ssmple T-test, Regression

Topics Covered:

Course **Application Development for Actuarial Science**   Level **senior**

Grade **A**   Length of Course **semester**

Topics Covered: Introduction to the excel visual basic for application, Beginning programs with VBA

Procedures and conditions, loops and arrays, basic excel objects, basic file i/o and debugging

Course **Regression analysis**   Level **junior**

Grade **B**   Length of Course **semester**

Topics Covered: Basic concepts of Regression and Correlation analysis, Correlation coefficient and Scatter diagran, Estimation of parameters by least square methods

Multiple Regression, Concept of multicollinearity, Use of quantitative variables in regression model,Use of statistical packages for correlation and regression model, Residual Analysis for testing model assumptions.

Course **Discrete Mathematics**   Level **junior**

Grade **A**   Length of Course **semester**

Topics Covered: Set operations, logical reasoning,mathematical induction,euclidean algorithm,

permutations and combinations, discrete probability, expected value and variance, greater common divisor

Course **Statistical methods for process improvement**   Level **senior**

Grade **B**   Length of Course **semester**

Topics Covered: History, Background, Statistical methods for quality improvement,

Acceptance Sampling,Total control management

Course **Numerical Methods and Computations 1**   Level **junior**

Grade **A**   Length of Course **semester**

Topics Covered: Floating point numbers and Errors in Computation, Bracket method of solving linear equations, Opent method of solving linear equations

Solutions of linear equations, Iterative Method, Newtons Method, Interpretation, Trapezodal rule, Techniques in Improving Gauss Elimination Methods