



University of Moratuwa
Faculty of Engineering
Department of Mathematics

M SC / PG DIPLOMA IN BUSINESS STATISTICS

REGISTER NOW



M Sc /PG Diploma in Business Statistics - 2014/2015 (MBS)

Statistics is a much versatile subject which can be applied in almost any field. During the recent past, there has been an increasing demand for training staff in the government departments, private organizations, research institutes etc, to derive inferences from primary or secondary data, for the benefit of decision-making process. The MBS program is designed for those who wish to expand or upgrade their knowledge through a postgraduate qualification in statistical applications in diverse fields. This program focuses to train students in excellent quantitative skills in data analysis, to derive information from data and more importantly enable them to communicate the statistical results to others with confidence. The course is structured with the combination of theory and applications in various fields of statistics including the analysis of categorical, multivariate, financial data etc. More emphasis is on the improvement of analytical skills to use common statistical packages for real practical problems. The course consists of 40 credits of course modules and 20 credits for research project.

Eligibility Requirement

An Honours Bachelor's degree of the University of Moratuwa. OR

Any other four year degree in a relevant field from a recognized university as may be approved by the Senate OR

Any other three year degree in a relevant field from a recognized university, and a minimum period of one year of appropriate experience after obtaining such degree as may be approved by the Senate OR

Any recognized category of membership of a recognized professional institute obtained through an academic route and with a minimum of one year of recognized appropriate experience after obtaining such membership as may be approved by the Senate

Duration: **Two years**
Lectures: **Lectures are held during Saturdays.**

Course Fees: 1st Year - 130,000/=
2nd Year - 70,000/=

Other Fees: Registration - 1000/=, Library - 2,000/=
Examination - 1000/=
Application Processing Fee 500/=

Information: Applications can be download from department website: www.math.mrt.ac.lk

Contact: Prof. T S G Peiris, Course Coordinator
(011 2651123, 0779895342)

**CLOSING DATE FOR APPLICATION
IS ON 30 April 2014**

Registrar
University of Moratuwa

M Sc /PG Diploma in Business Statistics

Introduction

Statistics is a much versatile subject which can be applied in almost any field. During the recent past, there has been an increasing demand to train staff in the government departments, private organizations, banks, research institutes etc. to derive inference from data they acquired either through surveys, experiments, accumulated data in warehouses or secondary data obtained from publications for decision making process. Consequently this course was initiated in 2010. The course is designed for decision makers who wish to extend their knowledge through a postgraduate qualification in statistical applications irrespective of the discipline. The course is structured with the combination of theory and applications in various field of statistics including the analysis of categorical, multivariate, financial data etc. More emphasis is paid on the improvement of analytical skills in the use of statistics to real practical problems using common statistical packages.

Objective

This program is intend to equip students with statistical skills required to obtain scientific inferences based on appropriate statistical analysis for a given data set. In otherword, to train students for excellent quantitative skills in data analysis and importantly able to communicate the statistical results to others so that your knowledge can apply for policy-making process based on scientific results.

Main study Area

- Statistical thinking analysis and communication
- Statistical concepts, inference and modeling
- Programming in Excel
- Statistical data mining techniques
- Operational research methods
- Business decision modeling
- Financial Risk Management
- Risk and Portfolio Management
- Use of SPSS, Minitab, Eviews etc
- Dissertation - to pool your expertise with that which you have learned on the course

Course Content

Probability and Statistics
Statistical Modeling in Business
Time Series Analysis for Business forecasting
Quantitative Analysis for Management
Survey Samplings for Business
Statistical Quality Control
Applied Multivariate Techniques in Business
Operational Research Techniques
Financial Derivatives
Analysis of Categorical data in Business
Investment and Portfolio Management
Computer Software in Business and Management
Mini Project for Post Graduate Diploma (4 credits)
Project for Master Degree (20 credits)

Program Structure

The course consists of coursework of 40 credits and a research project of 20 credits for M Sc which involves substantial research component. The duration of the entire program is two years (three terms). Examinations are conducted at the end of a Term. Research project is evaluated through a dissertation carried out under the supervision of a senior lecturer or above in a university or officers having at least an M Phil degree from other organizations.

Course Fees

Payment should be made by pay-in voucher from the Bank of Ceylon A/C No. 70993353.. Please make sure to write your name and the course when you pay money. First year tuition fee can be paid in two installments.

Applications :

Application forms can be download from departmental website www.math.mrt.ac.lk and further details can be obtained from the course coordinator.

Contact Information

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