Department of Mathematics
Faculty of Engineering
Masters in Operational Research
2018/2019

Introduction

Operational Research is the application of the scientific methods to solve problems arising from operations involving integrated systems of man machines materials. It normally utilizes the knowledge and skill of an interdisciplinary research team to provide the managers of such systems with optimum operating solutions.

The Department of Mathematics conducts a two year part-time course leading to an MSc Degree in Operational Research. This program is specially design to target practicing graduates in the private sector as well as government as managerial level who wish to build and advance their careers in this most fast- changing and challenging field of study. The program consists of two components; Course work and Research project. After the successful completion of the coursework component the students could qualify to do the research component which enables them to obtain the MSc in Operational Research if he/she wishes to. However, those who do not qualify to do the research component can obtain a Postgraduate Diploma, if necessary criteria are met.

Course Structure

Name of the Course
Basic Statistics
Operational Research Techniques 1
Linear Models in Data Analysis
Regression Analysis
Principles of Management
Principles of Marketing
Numerical methods
Computer Programming for Operational Research
Operational Research Techniques 1I
Multivariate Statistics for Data Mining
Time Series Analysis
Production and Operation Management
Financial Management
Survey of Sampling
Parametric and Non Parametric Statistics

Lectures are conducted on Weekends

Course Fee

Application processing fee	Rs. 1000.00
Semester 1 tuition fee	Rs. 150,000.00
Semester 2tuition fee	Rs. 100,000.00

In addition, students are expected to pay

Registration fees	Rs. 1,000.00
Library fees (Refundable)	Rs. 2,500.00
Examination fees	Rs. 1,000.00

Payments for the first year should be paid by pay-in voucher form the Bank of Ceylon A/C No: 70993353 (BOC Katubedda) in favor of the University of Moratuwa