

## Department of Mathematics



### M.Sc. / Post Graduate Diploma Course in Financial Mathematics

| Code    | Course Module                                | Credit |
|---------|--|--------|
| MA5120  | Introduction to Statistics                   | 3      |
| MA5121  | Financial Mathematics Techniques             | 4      |
| MA5102  | Operational Research Techniques I            | 4      |
| MA5115  | Corporate Finance                            | 4      |
| MA5122  | Mathematical Methods                         | 3      |
| MA5108  | Management Information Systems               | 3      |
| MA5123  | Actuarial Statistics                         | 4      |
| MA5124  | Financial Time Series Analysis & Forecasting | 4      |
| MA 5116 | Economics for Finance                        | 4      |
| MA5110  | Operational Research Techniques II           | 4      |
| MA5125  | Multivariate Analysis & Econometrics         | 3      |
| MA5117  | Game Theory                                  | 3      |

### MSc./ PG Dip. in Business Statistics

| Code    | Course Module                                 | Credit |
|---------|---|--------|
| MA 5210 | Probability and Statistics                    | 3      |
| MA 5233 | Statistical Modelling in Business             | 3      |
| MA 5212 | Survey Sampling for Business                  | 3      |
| MA 5213 | Statistical Quality Control                   | 3      |
| MA 5203 | Time Series Analysis for Business Forecasting | 4      |
| MA 5224 | Investment and Portfolio Analysis             | 3      |
| MA 5231 | Computer Software in Business and Management  | 3      |
| MA 5211 | Quantitative Analysis for Management          | 3      |
| MA 5234 | Applied Multivariate Techniques in Business   | 4      |
| MA 5214 | Operational Research Techniques               | 3      |
| MA 5235 | Financial Derivatives                         | 3      |
| MA 5215 | Analysis of Categorical Data in Business      | 3      |
| MA 5290 | Project on Business Statistics for Diploma    | 4      |