Curriculum - 2017

BBA Hons (Accounting) Degree Program

Faculty of Management and Finance

University of Ruhuna

BBA 11023: Business Mathematics and Statistics

Level: 1000   **Number of Credits   : 03**

Course Description

Business Mathematics and Statistics focuses on the application of theories, concepts, and techniques of mathematics and statistics for business decision making. It provides an understanding of the uses of mathematical and statistical tools and techniques applied in various business situations.

Intended Learning Outcomes

At the end of this course, the student will be able to;

- Discuss the basics in business mathematical and statistical concepts and applications.
- Analyze business problems using mathematical and statistical techniques.
- Determine and apply appropriate mathematical and statistical techniques to solve business problems.

Teaching/Learning Methods

Lectures, Tutorials

Methods of Assessment

In-course Assessments   : 30%
End Semester Examination   : 70%

Course Contents

1   Introduction to business mathematics
2   Factoring and equations
3   Interest and annuities
4   Limits, derivatives and anti-derivatives
5   Factorials, Permutations and Combinations
6   Matrices
7   Introduction to statistics
8   Measures of central tendency
9   Measures of dispersion
10 Probability theory
11 Correlation and regression analysis

Recommended Readings

1   Budnics, F. (2003). Applied Mathematics for Business Economics and Social Science. (5th Ed). Macgraw Hill. NewDelhi.
2   Richard, I. L., & David, S. R. (1997). Statistics for Management. (7th Ed). Prentice Hall. U.S.A.