BBA 11023: Business Mathematics and Statistics

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

Course Description

This course covers the fundamental concepts, techniques, theories, and practices of mathematics and statistics for business decision-making. It also provides the knowledge for the use of mathematical and statistical tools and techniques applied in various business situations.

Intended Learning Outcomes

At the end of the course, the student will be able to;
- Explain the fundamental concepts, theories and techniques of mathematics and statistics.
- Calculate mathematical and statistical problems in real business scenarios.
- Use appropriate mathematical and statistical tools and techniques for managerial decisions.
- Apply critical thinking, modelling, and problem-solving skills for solving business problems.

Teaching/Learning Methods

Lectures, tutorials, case study discussions, group discussions

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
5. Calculus
6. Probability and probability distribution
7. Introduction to statistics
8. Presentation of data
9. Measures of central tendency
10. Measures of dispersion
11. Correlation and Regression

Recommended Readings

1. Budnick, F. , *Applied mathematics for business economics and the social science*. New Delhi: Tata McGraw Hill Education/ The latest edition.

2. Richard, I.L., & David, S.R., *Statistics for Management*. U.S.A: Prentice Hall/ The latest edition