



Code	Subject Title	Cr. Hrs	Semester
MATH-112	Business Mathematics	3	I
Year	Discipline		
1	Commerce		

- a. Solution of Simultaneous equation. Solution of quadratic equation,
- b. Matrices and determinants: Addition, Subtraction and Multiplication of Matrices, Expansion of Determinants, Inverse of a matrix, Use of matrices in the solution of system of linear equations.
- c. Logarithms
- d. Mathematics of Finance
 - a. Simple & compound interest
 - b. Annuities
 - c. Ordinary
 - d. Simple discount
 - e. Calculating present value & future value of money
- e. Progression & series
 - a. Arithmetic
 - b. Geometric
- h. Permutations & Combination

BOOKS RECOMMENDED (*Latest Editions*)

1. Syed Hassan Mirza, Business Mathematic for Management and Finance.
 2. L W Stafford, Business Mathematics.
 3. Richard Lacava, Business Statistics.
 4. Lavin, Business Statistics, Prentice Hall Inc.
 5. Nasir Ali Syed, and G H Gill, Statistics & Business Mathematics, Fair Publication, Lahore.
 6. Z A Bohra, Business Statistics and Mathematics.
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