

CBS211 Mathematics for Business & Social Science II (3 Units)

Department of Economics

Covenant University

1. CBS211

1.1. CBS211 Mathematics for Business & Social Science II (3 Units)

This course is a follow up to CBS111. It covers the following topics:

Introduction to Matrix algebra; addition, multiplication and division of matrices; simultaneous solution of equations by matrix and determinants method. Eigen vector and Eigen values.

Limit and continuity of functions.

Differentiation of functions in one variable, derivatives of standard function, rate or change etc.

Maxima and minima; point of inflexion; partial derivation. Constrained optimisation. Application in business and social sciences subjects.

Integration of functions of one variable, definite standard integral etc.

Introduction to first order differential equation.

Omega Semester