

MTH 201 MATHEMATICAL METHODS I: (3 Units) (L30: P 0: T 1)

Real-valued functions of a real variable. Review of differentiation and integration and their applications. Mean value theorem. Taylor series. Real-valued functions of two or three variables. Partial derivatives chain rule, extrema, Lagrange multipliers. Increments, differentials and linear approximations. Evaluation of line, integrals. Multiple integrals.