

**MTH 205 LINEAR ALGEBRA I: (2 Units) (L15: P0: T 15)**

**Pre-requisite MAT 101, 102. Co-requisite MAT 203, 204.**

Systems of linear equation change of basis, equivalence and similarity. Eigen values and Eigen vectors. Minimum and characteristic polynomials of a linear transformation (Matrix). Caley-Hamilton theorem. Bilinear and quadratic forms, orthogonal diagonalisation. Canonical forms.