MATHEMATICS 1200 A2

FALL SEMESTER 1995-96

TITLE: LINEAR ALGEBRA I

SCHEDULE: Class: Mon Wed Fri   2:00 pm - 2:50 pm   J203

                Seminar: Wednesday   3:00 pm - 3:50 pm   J203
                    or   Thursday   3:00 pm - 3:50 pm   J204

INSTRUCTOR: Dr. Subhash Karnik
                Office: J206
                Extension: 2093

TEXT: Elementary Linear Algebra With Applications by
                W. Keith Nicholson (3rd edition)

MARKING: Final   35%
                Mid-term Examination   25%
                Quizzes   25%
                Review Quizzes   15%

SCHEDULE OF EXAMINATIONS :

        Mid-term test : Wednesday, October 18, 1995 (Tentative)
        Final Examination : As will be scheduled by Registrar's
Office in December 1995
        Quizzes, Mid-term Examination and Final Examination must
be written at scheduled times.

COURSE TOPICS: Systems of Linear Equations
               Gauss-Jordan Elimination and Reduced Row Echelon Form
               Matrix Algebra
               Determinants
               Cramer's Rule
               Geometry of vectors in R
               Vector Spaces and Subspaces
               Linear Combinations, Linear Span, Linear Dependenence
               & Independence
               Basis and Dimension
               Eigenvalues and Eigenvectors
               Applications