

MTH 237 : Linear Algebra

This course introduces the basic theory and application of the following topics: systems of linear equations and matrices, (finite-dimensional) vector spaces, linear transformations and matrices, determinants, eigenvalues and eigenvectors, inner product and orthogonality, Gram-Schmidt, least squares, and the diagonalization of symmetric matrices.

Lecture/Theory Hours 3

Lab/Experimental Hours 0

Semester Hours 3

Course Code A

Core Area III

Prerequisites

Grade of "C" or better in MTH 126.