

MAT 3100: Applied Linear Algebra

Vectors, matrices, transpose and inverse of a matrix, systems of linear equations, the four fundamental subspaces, eigenvalues and eigenvectors, symmetric matrices, matrix factorizations, applications such as information retrieval, ranking web pages, graphs and networks, least squares, and data compression.

Credits: 3.0

Prerequisites:

MAT 1312

MAT 1320

MAT 1400

MAT 1500

MAT 1312 or MAT 1320 or MAT 1400 or MAT 1500

Program: [Mathematics and Statistics](#)