LINEAR ALGEBRA
21:640:350 (3 credits)

COURSE DESCRIPTION:
Row reduction, solving linear systems; vector spaces, subspaces, bases; linear transformations, images and kernels; eigenvalues, eigenvectors, and diagonalization of matrices; applications to differential equations, computer graphics, and numerical calculation.

PREREQUISITE:
21:640:136 (Calculus II), or 21:640:156 (Honors Calculus II), or permission of instructor. Credit NOT given for both 21:640:219 (Basic Linear Algebra) and 21:640:350 (linear Algebra.)

TEXTBOOK:

DEPARTMENT WEB SITE:  http://www.ncas.rutgers.edu/math

THIS COURSE COVERS THE FOLLOWING:

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