DEPARTMENT: MATHEMATICS
NAME OF COURSE: LINEAR ALGEBRA
GENERAL DESCRIPTION:

(Prerequisite: Pre-Calculus) This one year course presents the main concepts and terminology of linear algebra. It is a full introductory linear algebra course equivalent to a first-year college linear algebra course. Topics include linear equations matrix algebra, determinants, vector spaces, eigenvalues, and more. The topics presented play an essential role in areas such as computer science, engineering, environmental science, economics, statistics, business management, and the social sciences.

TEXTBOOK: Linear Algebra and Applications by Gilbert Strang

REQUIREMENTS:

Students are expected to maintain a set of well-organized notes in a mathematics notebook, complete daily homework assignments, and read selections from texts as assigned. Regular attendance is expected, and students are to make up work missed due to absences. Students should seek extra help during the school day in the mathematics study center or after school with the teacher when necessary. Appropriate behavior, respect for self and others, and participation in classroom activities are expected.

GRADING PROCEDURES:

The grade for each of the four marking periods is determined by unit exams, quizzes, and timely completion of homework assignments. A departmental midyear exam comprises one-fifth of the second quarter grade. The student's final average will be determined by averaging the four quarter grades and the Final grade equally.