

**DEPARTMENT: MATHEMATICS**

**NAME OF COURSE: COLLEGE MATHEMATICS (FINITE MATHEMATICS)**

**GENERAL DESCRIPTION:**

***Finite Mathematics***

*This course is an applied mathematics course that includes topics such as Matrix Algebra, Applications of Solving of Systems of Equations, Linear Programming, the Method of Least Squares, Game Theory, Set Theory, Logic, Probability, and Exponential Growth. Applications of these topics include business management strategies, social research, statistical analysis, and operations research. The course makes use of EXCEL and the TI graphing calculator or equivalent.*

**TEXTBOOK: Finite Mathematics – For the managerial, Life, and Social Sciences  
Brooks / Cole**

**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.