

Student Services

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE
COURSE OUTLINE

MATHEMATICS 1200 A2
FALL SEMESTER 1992 - 93

TITLE: LINEAR ALGEBRA I
SCHEDULE: Monday, Wednesday, Friday 12:00 - 12:50 J 131

INSTRUCTOR: LakshmareDDY Ganta
OFFICE: J 220
TELEPHONE: 539 - 2850
CONSULTATIONS: Thursday 11:00 am - 12:00 noon
Friday 10:00 am - 12:00 noon AND
ANY TIME THAT IS CONVENIENT TO BOTH YOU AND ME

TEXT: ELEMENTARY LINEAR ALGEBRA Applications version
(Sixth Edition); Howard Anton, Chris Rorres

COMPOSITION OF THE COURSE GRADE:

Final exam	35%
Term Test-1	20%
Term test-2	20%
Quizzes	15%
Assignments	10%

ASSIGNMENTS: Must be legible using proper notation. NO LATE ASSIGNMENTS.

COURSE TOPICS: Matrix Algebra
Systems of Linear Equations
Gauss-Jordan Elimination and Reduced Row Echelon form
determinants
Cramer's Rule
Some Applications
Geometry of vectors in R^n
Vector Spaces and Subspaces
Linear Combinations, Span and Linear Independence
Basis and Dimension
Introduction to Eigenvalues and eigenvectors