

GRANDE PRAIRIE REGIONAL COLLEGE

MATHEMATICS 221 - LINEAR ALGEBRA 1

FALL 1991

SECTION B2: T/R 9.30 - 10.50 PO E

INSTRUCTOR: LakshmaREDDY Ganta

OFFICE: J 220

TELEPHONE: 539-2850

CONSULTATIONS: M 9 - 11
T 11 - 12.20

AND ANY TIME THAT IS CONVENIENT TO BOTH YOU AND ME

TEXTBOOK: ELEMENTARY LINEAR ALGEBRA with applications, 2nd Edition
By W . KEITH NICHOLSON

COMPOSITION OF THE COURSE GRADE:

Final exam	35%
Term Test	30%
Quizzes	25%
Assignments	10%

ASSIGNMENTS: NO LATE ASSIGNMENTS. Any work handed in late will be marked for errors but will not receive a grade.

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 \mathbb{R}^n
Vector Spaces and Subspaces
Linear Combinations, Span and Linear
Independence
Basis and Dimension
Introduction to Eigenvalues and eigenvectors