GRANDE PRAIRIE REGIONAL COLLEGE DEPARTMENT OF COMPUTING, MATHEMATICAL and STATISTICAL SCIENCES MATHEMATICS 1200 A3 WINTER SEMESTER 2005

| TITLE: | Linear Algebra I | | | | | |
|-------------|---|-----------------------|------|--------|--------------------------------|--------------|
| SCHEDULE: | Lectures Seminars | М | W | F | 08:30 - 09:50 08:00 - 08:50 | J229 J229 |
| INSTRUCTOR: | THOMAS KAIP Office Extension Email | J212 2963 kaip@ | gpro | c.ab.c | a | |

TEXTBOOK: ANTON - RORRES; ELEMENTARY LINEAR ALGEBRA APPLICATIONS VERSION (8TH ED)

COMPOSITION OF THE COURSE GRADE:

| FINAL EXAM | 50% |
|--------------|-----|
| MIDTERM EXAM | 30% |
| Assinments | 10% |
| QUIZZES (4) | 10% |

COURSE TOPICS:SYSTEMS OF LINEAR EQUATIONS
GAUSS-JORDON ELIMINATION AND REDUCED ROW ECHELON FORM
MATRIX ALGEBRA
DETERMINATES
CRAMER'S RULE
GEOMETRY OF VECTORS IN Rⁿ
SUBSPACES OF Rⁿ
LINEAR COMBINATIONS, SPAN AND LINEAR INDEPENDENCE
BASIS AND DIMENSION
EIGENVALUES AND EIGENVECTORS
APPLICATIONS

CALCULATORS: NO CALCULATORS ALLOWED IN QUIZZES AND EXAMS.