

**GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF COMPUTING, MATHEMATICAL
and STATISTICAL SCIENCES
MATHEMATICS 1200 B2
FALL SEMESTER 2001**

SEP. 10 2001

TITLE: LINEAR ALGEBRA I

SCHEDULE:

LECTURES	T R	10:00 – 11:50	J228
SEMINARS	W	09:00 – 09:50	J202
	F	10:00 – 10:50	J227

INSTRUCTOR: THOMAS KAIP
OFFICE J212
EXTENSION 2963
EMAIL kaip@gprc.ab.ca

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

COMPOSITION OF THE COURSE GRADE:

FINAL EXAM	50%	T.B.A.
MIDTERM EXAM	30%	TUESDAY, OCTOBER 23, 2001
QUIZZES (4)	20%	T.B.A.

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

CALCULATORS: NO CALCULATORS ALLOWED IN QUIZZES AND EXAMS.