

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF COMPUTING, MATHEMATICAL
and STATISTICAL SCIENCES
MATHEMATICS 1200 A3
WINTER SEMESTER 2002

FEB. 01 2002

JAN. 29 2002

TITLE: LINEAR ALGEBRA I

SCHEDULE: LECTURES M W 08:30 - 09:50 J227
SEMINARS F 08:30 - 09:20
F 10:00 - 10:50

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%	WEDNESDAY, FEBRUARY 20, 2002
QUIZZES (4)	20%	
QUIZ #1		WEDNESDAY, JANUARY 23, 2002
QUIZ #2		WEDNESDAY, FEBRUARY 06, 2002
QUIZ #3		WEDNESDAY, MARCH 20, 2002
QUIZ #4		WEDNESDAY, APRIL 03, 2002

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

CALCULATORS: NO CALCULATORS ALLOWED IN QUIZZES AND EXAMS.