

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE AND TECHNOLOGY
MATHEMATICS 1200 A3
FALL SEMESTER 1998

OCT 15 1998

TITLE: LINEAR ALGEBRA I

SCHEDULE: Lectures T R 11:00 – 12:20 J204
Seminars AS1 F 08:00 – 08:50 J204
AS2 R 16:00 – 16:50 B206

INSTRUCTOR: Thomas Kaip
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TEXTBOOK: W. Keith Nicholson; LINEAR ALGEBRA with Applications (3rd edition)

COMPOSITION OF THE COURSE GRADE:

Final Exam	50%	
Midterm Exam	35%	Tuesday, October 13 1998
Assignments	15%	

COURSE TOPICS: Systems of Linear Equations
Gauss-Jordan Elimination and Reduced Row Echelon Form
Matrix Algebra
Determinates
Cramer's Rule
Geometry of vectors in \mathbb{R}^n
Vector Spaces and Subspaces
Linear Combinations, Span and Linear Independence
Basis and Dimension
Eigenvalues and Eigenvectors
Applications

CALCULATORS: No calculators allowed in Exams and Seminars.