GRANDE PRAIRIE REGIONAL COLLEGE
MATHEMATICS 1200 A2 (Fall 2004) – COURSE OUTLINE

Title :   **Linear Algebra I**

Schedule : **Lecture A2   T   R   10:00 a m - 11:20 a m   J203**
            Seminar AS1   F   9:00 a m -   9:50 a m   J204
                    AS2   F   10:00 a m - 10:50 a m   J204

Instructor : Dr Subhash Karnik
            Office J206
            Phone 539 - 2093
            e-mail : skarnik@gprc.ab.ca

Textbook :   Elementary Linear Algebra (Applications Version)
            - 8th Edition by Howard Anton & Chris Rorres
            (John Wiley & Sons)

Grading :   Assignments   10 %
            Quizzes   15 %
            Mid-term Exam   25 %
            Final Exam   50 %

Exam Schedule :

Mid-term Exam -   Thursday October 21, 2004 (Tentative)
                        10:00 a m - 11:20 a m

Final Exam as per Registrar's Schedule to be published in December 2004.

Students must write the quizzes and exams at the scheduled times.

                        Turn over . . .

Course Description

MA 1200 3 (3 - 1 - 0) UT 60 Hours

Pure Math 30 is a pre-requisite for this course.

(Credit will be granted for only one of MA 1020 or MA 1200.)

From Alberta Transfer Guide 2003 – 2004 :
In the Province of Alberta this course is transferable as follows :

Athabasca	**MATH 270(3)**	**Augustana UC**	**MAT 120(3)**
Canadian UC	**MATH 1xx(3)**	**Concordia UC**	**MAT 120(3)**
King's UC	**MATH 221(3)**	**U of A**	**MATH 120(3)**
U of C	**MATH 211(3)**	**U of L**	**MATH 1410(3)**

The following topics are covered in this course :

Systems of Linear Equations
Reduced Row Echelon Form and Gauss-Jordan Elimination
Vector and Matrix Algebra
Determinants
Cramer's Rule
Vector Spaces and Subspaces
Linear Combinations, Linear Span, Linear Dependence & Independence
Basis and Dimension
Eigenvalues and Eigenvectors
Applications