GPRC

DEPARTMENT OF SCIENCE

COURSE OUTLINE – FALL 2010

MA 1200 A2 – LINEAR ALGEBRA I

INSTRUCTOR: Brian Redmond **PHONE:** (780) 539-2093
OFFICE: J206 **E-MAIL:** bredmond@gprc.ab.ca

**OFFICE
HOURS:** M W 10:00-11:30 (or by appointment)

PREREQUISITE: Pure Mathematics 30

REQUIRED TEXT:
Anton, Rorres: Elementary Linear Algebra: Applications Version, 10E
Wiley 2010

CALENDAR DESCRIPTION:
The course will explore vector and matrix algebra, determinants, linear systems of equations, vector spaces, eigenvalues and eigenvectors and applications.

CREDIT/CONTACT HOURS: 3 (3-1-0) UT

SCHEDULE: (Sept 2 to Dec 18)
Lecture: T R 10:00-11:20 J202
Seminar: F 9:00-9:50 J226

TRANSFERABILITY: Consult Alberta Transfer Guide

GRADING CRITERIA:

Quizzes*: 15%

Assignments**: 10%

Mid-term Exam*: 25% (Oct 21, in class)

Final Exam*: 50% (Dec 9-18)

*Use of calculators is **not** permitted on quizzes or exams

Late assignments will **not be accepted

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to pages 47-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE CONTENT:

Chapter 1-5: Systems of Linear Equations and Matrices; Determinants; Euclidean Vector Spaces; General Vector Spaces; Eigenvalues and Eigenvectors

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	Sections	Important Dates
1	Introduction	
2	1.1, 1.2	
3	1.3, 1.4, 1.5	Quiz 1 (Sept 17)
4	1.6, 1.7, (1.8)	Assign 1 (due Sept 24)
5	2.1, 2.2	Quiz 2 (Oct 1)
6	2.3, 3.1	Assign 2 (due Oct 8)
7	3.2, 3.3, 3.4	Quiz 3 (Oct 15)
8	3.5	Midterm (Oct 21)
9	4.1, 4.2, 4.3	Assign 3 (due Oct 29)
10 Nov 5, last day to drop	4.4, 4.5	Quiz 4 (Nov 5)
11	4.6	
12	4.7, 4.8	Assign 4 (due Nov 19)
13	4.9, 4.10	Quiz 5 (Nov 26)
14	5.1, 5.2	Assign 5 (due Dec 3)
15	Review	