



**DEPARTMENT OF SCIENCE**  
**COURSE OUTLINE – WINTER 2013**  
**MA 1200 A3**  
**LINEAR ALGEBRA I**

**INSTRUCTOR:** Tom McLeister      **PHONE:** (780) 539-2961

**OFFICE:** J212      **EMAIL:** [tmcleister@gprc.ab.ca](mailto:tmcleister@gprc.ab.ca)

**OFFICE HOURS:** M, F 10:30-12:00      T, R 12:00-13:30

**PREREQUISITE:** Pure Mathematics 30

**REQUIRED TEXT/RESOURCE MATERIALS:**

Nicholson: Linear Algebra With Applications 6 E, McGraw-Hill Ryerson 2009

**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

**DELIVERY MODE(S):**

Lecture:	08:30 – 09:50	M W	J204
Seminar:	AS1 09:00-09:50	F	J204

## TRANSFERABILITY:

University of Alberta , University of Calgary \*, University of Lethbridge \*,  
Athabasca University \*, Augustana Faculty, University of Alberta,  
Concordia University College , Canadian University College  
Grant MacEwan University, King's University College (From GPRC course catalog)

\* An asterisk (\*) beside any transfer institution indicates important transfer information. Consult the Alberta Transfer Guide.

Note: Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

## GRADING CRITERIA:

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>90 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>85 – 89</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>80 – 84</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>77 – 79</b>	
<b>B</b>	<b>3.0</b>	<b>73 – 76</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 72</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>67 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 66</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

## **EVALUATIONS:**

Assignments:	10%
Quizzes:	15%
Midterm:	25% (Wednesday, Mar. 6, 2013 )
Final Exam:	50% (Cumulative and scheduled during exam period, TBA)

Note: There will be no make-up quizzes or exams. If a quiz/test is missed for a valid reason and proper documentation is provided, then the weight of the quiz/test will be transferred to another component. Late assignments will not be accepted.

**ASSIGNMENTS:** Roughly every week an assignment will be handed out in the seminar (and/or posted on Moodle), to be handed in the following Monday for grading.

**QUIZZES:** Quizzes will be held roughly every other Wednesday, beginning Jan. 23.

**FINAL EXAM:** The final exam will be written during the exam period, between April 18 and April 29 inclusive (including Saturdays and evenings). It is the student's responsibility to be available to write the exam at the scheduled time. Writing early is not permitted.

**CALCULATORS:** Use of calculators is not permitted on the quizzes or exams.

## **STUDENT RESPONSIBILITIES:**

Attend all lectures and seminars. If a lecture or seminar is missed, it is the student's responsibility to catch up on the material and obtain the missing lecture notes.

## **STATEMENT ON PLAGIARISM AND CHEATING:**

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

\*\*Note: all Academic and Administrative policies are available on the same page.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

Week	Text Sections	Notes
1. Jan. 8-11	1.1, 1.2	First class: Wed, Jan. 9
2. Jan. 14-18	1.2, 1.3, 1.4	
3. Jan. 21-25	2.1, 2.2	Quiz 1
4. Jan. 28-Feb.1	2.2, 2.3	
5. Feb.4-8	2.4	Quiz 2
6. Feb. 11-15	2.5, 2.6	
Feb. 18-22, Winter Break		
7. Feb. 25-Mar. 1	3.1, 3.2	Quiz 3
8. Mar. 4-8	3.2	Wed. Mar. 6, Mid-term
9. Mar. 11-15	3.3, 4.1	Mar. 11, last day to withdraw
10. Mar. 18-22	4.1, 4.2	Quiz 4
11. Mar. 25-29	5.1, 5.2	Mar. 29, Good Friday-no classes
12. Apr. 1-5	5.3, 5.4	Quiz 5
13. Apr. 8-12	5.4, 5.5	
14. Apr. 15	Review	Apr. 15, Last class
Apr. 18-29, Final Exams		