



DEPARTMENT OF SCIENCE
COURSE OUTLINE – WINTER 2015
MA 1020 A3
APPLIED LINEAR ALGEBRA

INSTRUCTOR: Thomas Kaip **PHONE:** (780) 539-2963

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OFFICE
HOURS: TBA

PREREQUISITE: MA 1000

REQUIRED TEXT/RESOURCE MATERIALS:

Nicholson: Linear Algebra With Applications 7 E, (or 6th) McGraw-Hill Ryerson 2013

CALENDAR DESCRIPTION:

Vectors and matrices, solution of linear equations, equations of lines and planes, determinants, matrix algebra, orthogonality and applications (Gram-Schmidt), eigenvalues and eigenvectors and applications, complex numbers will be covered in the course.

CREDIT/CONTACT HOURS: 3.5 (3-1-0) UT

DELIVERY MODE(S):

Lecture:	10:00 – 11:20	T R	J228
Seminar:	AS1 11:30-12:20	M	J228
	AS2 15:30-16:20	M	J228

TRANSFERABILITY:

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

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

Note: A 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:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	95 – 100	EXCELLENT
A	4.0	90 – 94	
A⁻	3.7	85 – 90	FIRST CLASS STANDING
B⁺	3.3	80 – 84	
B	3.0	75 – 79	GOOD
B⁻	2.7	70 – 74	
C⁺	2.3	66 – 69	SATISFACTORY
C	2.0	62 – 65	
C⁻	1.7	58 – 61	
D⁺	1.3	55 – 57	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS:

Assignments: 10%

Quizzes: 15%

Midterm: 25%

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.

ASSIGNMENTS: Most weeks an assignment will be handed out and will be due one week later.

QUIZZES: Quizzes will be held on the day an assignment is due, based on the assignment..

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/

COURSE SCHEDULE/TENTATIVE TIMELINE:

Not all topics from the individual chapters will be covered

1.	Chap 1	1 weeks
2.	Chap 2	1.5 weeks
3.	Chap 3.	1.5 weeks
4.	Chap 4	1.5 weeks
5.	Chap 5, 6, Appendix A	3 weeks
6	Section 7.1, 9.1, 10.1-10.2	2.5 weeks