

University of New Brunswick
Department of Mathematics and Statistics
Math 2213: Linear Algebra I
Intersession 2008

Course Instructor: Trevor Jones

Office: Tilley Hall 401

Office hours: MTWTh 10:00-11:00

Email: tjones1@unbsj.ca

Course website: <http://phylakas.blogdns.org/>

Suggested Textbook: *Linear Algebra: A Pure & Applied First Course*, by Goodaire

Course Contents:

Linear equations, matrix algebra, determinants, vector spaces, basis, row and column spaces, linear transformations and matrix representations, scalar products, orthogonal projection, least squares, eigenvectors and diagonalization, quadratic forms, singular value decomposition. The course will include use of mathematical software.

Prerequisite:

MATH 1013, or MATH 1053, or both MATH 1823 and 1833. This course may also be taken with the consent of the instructor. Interested first year students are encouraged to inquire.

Note: Credit will not be given for both Math 1503 and Math 2213.

Grade Conversion:

F	D	C	C+	B-	B	B+	A-	A	A+
0 - 44	45 - 49	50 - 57	58 - 64	65 - 69	70 - 74	75 - 79	80 - 86	87 - 93	94 - 100

Marking Scheme:

	Scheme A	Scheme B
Tests (May 15, May 29, June 12):	40%	45%
Exam:	60%	55%

Note: The best of the two possible schemes will automatically be applied.