Mathematics 1204: Winter Term 2016/17

Instructor:	James Preen (email: `james_preen@cbu.ca`)
Office:	A-129A (ground floor, A-wing, at the bottom of the ramp)
Office Hours:	Mondays from 10:15 and Tuesdays and Thursdays 11:30 - 13:00
Class meetings:	Lectures: 13:00 to 14:15 Tuesdays and Thursdays in CE311
	Labs=Tests (biweekly): Mondays in A235 from 14:30 to 15:45
Textbook:	"Elementary Linear Algebra" by W. Keith Nicholson (optional)
Website:	`http://faculty.capebretonu.ca/jpreen/1204/math1204.html`
Grading:	Coursework 40%, Mid-term test 20% , Final exam 40%

There will be one mid-term test, held in place of a lab session sometime in February. The Final exam will be held during the regular examination period in April. Upon completion of each section of the course some sort of test or assignment will be given which will count towards the coursework mark. All tests including the final examination will be "open-book" in that any printed material can be consulted during the test, but only simple calculators will be allowed.

The lab session is booked in the timetable, but will only be used every other week for testing. There used to be a computer software part of the course but it has been dropped. Should you be interested in using Maple, please consult the web pages for previous years and/or ask me about it.

The use of electronic devices in class is allowed, boards can be photographed, explanations can be recorded and Maple will be regularly used and worksheets will be available for copying or download. Students are encouraged to ask for clarification on the material both during and after classes. Class will only be cancelled if campus is closed.

Academic regulations concerning penalties for plagiarism and cheating (page 38 of the university calendar) will be rigidly enforced in this course. Differently-abled students will be accommodated using the JKAC. A supplemental exam for the course will not be made available.

Major Topics:

- Matrices and Systems of Linear Equations

- Determinants and Eigenvalues

- Solution of Systems and Recurrences

- Geometric Vectors

- Vector Spaces