Linear Algebra: with Applications to Business and Economics (Math 1119 E, Winter 2009)

Introduction to systems of linear equations, geometric interpretation in two and three dimensions, introduction to matrices, vector addition and scalar multiplication, linear dependence, matrix operations, rank, inversion, invertible matrix theorem, determinants. Use of illustrative examples related to business and economics.

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Class Schedule
Class Times: Tuesday & Thursday 6:35 pm - 7:55 pm, Loeb Building C264
Tutorial Times: Tuesday 5:35 pm – 6:25 pm starting Jan. 13
  Section E1: Southam Hall 501 TA: Wang, Ge
  Section E2: Southam Hall 409 TA: Taleb, Reda
  Section E3: Southam Hall 309 TA: Bernick, Jordan
Office Hours: Tuesday 16:00 – 17:30, or email me for appointments

Marking Scheme
  Tutorial Assignments 10% total
  In Tutorial Tests 4 (count best 3 out of 4) 40% total
  Final Exam 50%

Text Book
Linear Algebra with Business applications, By John W. Brown and Donald R. Sherbert, second edition.
Prerequisite

Ontario Grade 12 Mathematics of Data Management (MDM4U); or one of: Grade 12 Mathematics: Geometry and Discrete Mathematics (MBA4U), or an OAC in Algebra and Geometry, or an OAC in Finite Mathematics, or MATH 0107, or equivalent, or permission of the School of Mathematics and Statistics.

Tentative Weekly Outline

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Notes

- **Withdrawal**: The last day for withdrawal from the course is March 6, 2009.

- **Students with disabilities** requiring academic accommodations in this course must contact a coordinator at the Paul Menton Centre for Students with Disabilities to complete the necessary Letters of Accommodation. After registering with the PMC, make an appointment to meet and discuss your needs with me in order to make the necessary arrangements as early in the term as possible. Please note the deadline for submitting completed forms to the Paul Menton Centre is **March 6th, 2009** for winter term courses.

- **Tutorial Assignments** will be distributed during the tutorial session. Students are expected to complete these assignments in the time allotted for the tutorial session. Assignments may be completed individually or collaboratively, however in each case, each student must submit an assignment to receive a grade.

- **In Tutorial Tests** will be four **50-minutes, closed book** tests given during regular tutorial session on Tuesday, January 20, February 10, March 3, March 17, 2009. You are expected to take all the tests. No make up, early, or delayed tests. Any missing test will be counted as zero. The average of best three tests out of four tests will be counted as 40%. It is your responsibility to pick up your tests in the tutorial hours.

- **Final Exam** will be 3-hours, closed book exam based on whole term. It is the responsibility of each student to be available at the time of the examination. In particular, no travel plans for the examination period in April should be made until the examination schedule is published.