APSC 174: Linear Algebra - Winter 2016

Course Coordinator: Prof. Abdol-Reza Mansouri
Instructors: Profs. Abdol-Reza Mansouri, Bahman Gharesifard and Daniel Offin
Course Webpage: http://www.mast.queensu.ca/~apsc174/
Textbook: Online Lecture Notes
Friedberg, Insel & Spence - Linear Algebra (4th Ed)

Course Overview: Systems of linear equations; real vectors spaces and subspaces; linear combinations and linear spans; linear dependence and linear independence; applications to systems of linear equations and their solution via Gaussian elimination; bases and dimension of real vector spaces; linear transformations, range, kernel and Rank-Nullity theorem; matrix representation of a linear transformation; composition of linear transformations and matrix multiplication; invertible square matrices and determinants; eigenvalues and eigenvectors of square matrices.

Evaluation: Your grade will be calculated based on the following grading scheme:

Midterms (2): 40% Final Exam: 60%

Note: If your final exam grade is less than 40%, your final exam grade will become your course grade.
The final letter grade will be calculated according to the Queen’s University Grading Scale.

Midterms: There will be two midterms (each worth 20%) held on the following dates:
1) Monday, February 8, 2016 from 6:30 to 8:30 p.m. (Week 6)
2) Monday, March 21, 2016 from 6:30 to 8:30 p.m. (Week 11)

There will be no make-up tests for any reason. If you miss a midterm test for a valid reason (illness, family emergency), the 20% for the missed test will be added to the weight of the final exam. If you miss any test or exam without acceptable justification you will be assigned a zero. If you have to miss the final exam for an acceptable reason then you will have to make arrangements to take the exam at another date. A note from your doctor is required in all cases of a medical reason.

Calculator Policy: No electronic devices or other aids will be allowed on any test or exam.

Homework will be posted on the course website each Monday. The homework will NOT be collected but it is strongly recommended that you complete it. Some solutions will be provided on the course website.

Tutorials will be held every week as detailed in the First Year Studies Course Timetables. Tutorial problems will be posted on the course website each Monday.

Special Accommodations: If you require special accommodations or special consideration for any reason, contact your instructor as soon as possible.
Academic Integrity Policy:  http://appsci.queensu.ca/policy/Honesty.html/

Advice:
If you have any questions or concerns, contact your instructor before/after class, or make an appointment. Additionally, you may also take advantage of the Math Help Centre (201 Jeffery Hall). You may drop by whenever the Centre is open and no appointment is necessary.