Instructor: Dr. Sarah Hormozi (hormozi@math.ubc.ca)

Classes: Monday/Wednesday: 10:30-12:30 & Tuesday/Thursday 12:30-14:00, LSK D201

Office Hours: by arrangement, LSK 100.

Website
http://www.math.ubc.ca/~hormozi/
Includes lecture notes, homework assignments, previous Midterm and Final Exams and instructions for using MATLAB and Octave.

Moreover, there is a section called Course News, please check this everyday. I found this way easier to communicate rather than sending email to all of the students.

Course Description
The course will roughly cover the material from Chapters 1-5 of the first textbook with some omissions and some additional material. Moreover, this course is organized around a collection of interesting applications. Contents: Matrices and Gaussian elimination, Vector spaces, Orthogonality, Eigenvalues and Eigenvectors, Finite difference approximations, Least Squares, Graphs and Networks, Fourier series, Power method, JPEG compression, ...

Assignments
There will be 2 assignments each week posted on the website. Assignment due will be announced and late homework will not be accepted. Even if you miss the deadline, its a good idea to do the problems, since this is the best way to prepare for the tests and exam. You are welcome to discuss the homework problems with your friends, but are expected to hand in your own work.

Computers
Part of the course involves solving algebraic equations on a computer using MATLAB or Octave (a free alternative using the same coding language). It is probably easiest to install one of these on your own computer (instructions are on the website). Alternatively, you will be registered for an account in the Math Departments computer lab in LSK 310, which you can use whenever there is space. Please contact me if you have difficulty logging in.

Grades
Final exam 50%, Midterm exam 40%, Homework assignments 10%. Midterm and Final exams are currently scheduled for June 3 (5:00-7:00 pm) and June 20 (12:00-15:00) respectively. Please do not make travel/work plans assuming that the preliminary exam schedule will not change.

If you miss the Midterm for a legitimate reason (e.g., illness with doctor’s note), a makeup Midterm exam will be scheduled for you.

References