Syllabus: Math 310

MATH 310 Applied Linear Algebra I, Spring 2015
16470 - LCD - undergrad MWF 9:00-9:50, LC C004
Instructor: Shmuel Friedland
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web://www.math.uic.edu/~friedlan

OFFICE HOURS: MW 11:30-12:30, F 8:00-8:50, or by appointment.

TA: Venu Tammali, Office: SEO 733
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OFFICE HOURS:

Course Website: http://www.math.uic.edu/math310
TEXT:
1. Linear Algebra and its applications by David C. Lay, Addison-Wesley, 4-ed., 2012
Syllabus: We will be developing tools involving matrices and vectors to study linear systems of equations. These methods are used in many real-world problems, and the course emphasizes concrete techniques and computations, as opposed to more theoretical considerations. Topics to be covered include Gaussian elimination, linear transformations, orthogonal projection, least squares, determinants, eigenvalues, and eigenvectors.
Sections in the book that will covered, usaly one section per class:
1.1-1.10, 2.1-2.5, 3.1-3.3, 4.1-4.7, 4.9, 5.1-5.5, 5.7, 6.1-6.6, 7.1.
An interested student can consult my notes http://www2.math.uic.edu/~friedlan/math320lecS13t.pdf

PREREQUISITE: Grade of C or better in MATH 210.

Homework problems:
Will be assigned a week in advance. Homework will not be collected. The quizzes will be close to my lectures and HW problems. See my website: //www.math.uic.edu/~friedlan

GRADING:
1. Quizzes - 20%. (Usually there would be 10 minutes quiz in the end of the class once a week, except the first week of classes, and the exam week.)
First quiz: Wednesday, January 21.
2. 2 Midterms - 20% each. Dates: Friday, February 13, Wednesday, March 18, 2015.
3. Final Exam - 40%. Date:10:30 - 12:30, Tuesday, May 5, 2015.

Students with Disabilities:
Students with disabilities who require special accommodations for access and participation in this course must be registered with the Office of Disability Services (ODS). Students who need exam accommodations must contact ODS in the first week of the term to arrange a meeting with a Disability Specialist. Please contact ODS at (312)-413-2183 (voice) or (312)-413-0123 (TTY).