Syllabus: Math 310, Applied Linear Algebra, Spring 2017

Instructor: Andrew Suk

Course Time and Place: MWF 3:00-3:50, BSB 140.

Office Hours: WF 2–3.

Textbook: Linear Algebra and its applications by David C. Lay, Steven R. Lay, Judy J. McDonald, Addison-Wesley, 5-ed., 2015.

Website: www.math.uic.edu/∼suk/math310sp17.html

Course Description: Matrices, Gaussian elimination, vector spaces, LU-decomposition, orthogonality, Gram-Schmidt process, determinants, inner products, eigenvalue problems, applications to differential equations and Markov processes. Credit is not given in both Mathematics 310 and 320.

Prerequisite: Grade of C or better in Math 210.

Grading: Quizzes 10%, Midterm 1 25%, Midterm 2 25%, Final 40%.

Exams and Quizzes: Quizzes every Friday, Midterm 1 will be on Friday February 17 in class, Midterm 2 will be on Friday April 7 in class. Final Exam TBD. No calculators will be allowed in quizzes and exams.

Homeworks: Homeworks will not be collected. Assignments will be given out each week which quizzes will be based on.

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 1 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).

Academic dishonesty: Instances of academic misconduct (including cheating, fabrication, plagiarism, threats, examination by proxy) shall be handled pursuant to the student Disciplinary Policy.