

MATH221002: Linear Algebra Spring 2016

Instructor: Dawei Chen, Maloney 549, dawei.chen@bc.edu

Class time and location: MWF 1-1:50, Gasson 309.

Office hours: W 2:30-4 and Th 1:30-3. By appointment and walk-in are welcome.

Textbook: *Linear Algebra and its Applications (5th edition)* by David Lay, Steven Lay, and Judi McDonald.

Prerequisites: None.

Course description: This course is an introduction to the techniques of linear algebra in Euclidean space. Topics covered include matrices, determinants, systems of linear equations, vectors in n-dimensional space, complex numbers, and eigenvalues.

Homework: Written homework will be assigned and graded weekly. The homework needs to be written clearly and in a mathematically precise manner. You are encouraged to work together on the homework, but the solutions you hand in should be in your own words.

Exam: There will be two midterm exams and a final exam. They will be in-class exams. The use of books, notes or calculators is not allowed. The final exam will be comprehensive. Tentative dates of the exams:

Midterms: Wednesdays, Feb 24 and Apr 6

Final: Wednesday, May 11 at 12:30pm.

Grade: Your final grade will be based on 20% homework, 20% each midterm, and 40% final.

Academic integrity: Many people find discussing problems with others to be the best, easiest, most efficient and most pleasant way to learn mathematics. You are permitted and encouraged to do this! Nevertheless, you must write up all the homework solutions by yourself only. Copying solutions from someone or somewhere else is not only intellectually

dishonest but it also undermines the educational process. If you are caught cheating on a problem set, you will receive **zero** for that set. BC's policy on academic integrity can be found at www.bc.edu/integrity.

Special need: If you are a student with a documented disability seeking reasonable accommodations in this course, please contact Kathy Duggan, (617) 552-8093, dugganka@bc.edu, at the Connors Family Learning Center regarding learning disabilities and ADHD, or Paulette Durrett, (617) 552-3470, paulette.durrett@bc.edu, in the Disability Services Office regarding all other types of disabilities, including temporary disabilities. Advance notice and appropriate documentation are required for accommodations.