



M T W F5, MAT 0116 11:45am-12:35pm.

Office Hour: MWF 12:45-2:00pm. Office Little Hall 466, phone: 2942344 email; leizhang at ufl dot edu

Topics to be covered: Linear equations, matrices, vector spaces, linear transformations, determinants, eigenvalues, inner-product spaces. This course includes both theory and computational skills. The student is expected to develop the ability to reason through, and coherently write up, proofs of theorems. For math majors, this course serves as a transition from a study of techniques into more conceptual math; for engineering and science majors, it serves also as a coherent foundation in linear algebra.

week 1-2 chapter 1, week 3-4 chapter 2, week 5-6 chapter 3, week 7-8 chapter 4 week 9-10 chapter 5, week 11- chapter 6.

Linear Algebra edition 4/E (fourth edition), by Friedberg, Insel, Spence. [Prentice Hall ISBN: 0-13-008451-4]

Grade of C or better in MAC 2313 or MAC 3474 and in MAS 3300 or MHF 3202.

Homework will be assigned after each lecture. Quizzes will be given based on homework problems.

There will be three mid-term exams, many pop quizzes, and a comprehensive final exam, all close to assigned homework problems. The tentative dates for the four exams are:

Exam one: September 5 (20%)

Exam two: October 10 (20%)

Exam three: November 14 (20%)

Final exam December 14(Thursday) 7:30am-9:30am (30%)

Quizzes: 10%

A: 90 ; B+: 85; B: 80; C+: 75; C: 68; D: 60; E:0-59

ABSOLUTELY NO MAKEUPS WITHOUT MEDICAL DOCUMENTATION. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at :

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

