# DEPARTMENT OF MATHEMATICS

## MAS 3105-01, SPRING 2004

### M 11:15-12:05, TR 11:00-12:15, Room 215 HTL

INSTRUCTOR:    Dr. Mark van Hoeij
OFFICE:           211 Love Building
OFFICE HOURS: M: 9:30-10:30. TR: 1:00-2:00. At other times: first call or send e-mail
TELEPHONE:     644-3879
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TEXT: *Linear Algebra and its Applications* by David Lay (3rd Ed.)

COURSE CONTENT: Chapters 1 - 6.

COURSE OBJECTIVES: Understanding the theory of vector spaces and linear transformations (matrices). Equally important is the ability to do calculations with vector spaces and matrices (solving linear equations, inverting linear maps, computing the determinant and the rank of a matrix, determining linear dependence, computing a basis of a vector space, finding eigenvectors, etc.).

PREREQUISITE: MAC 2312

TESTING AND GRADING: There will be four unit tests,
Test 1: Tuesday, January 27.
Test 2, 3, 4: Date to be determined.
No make–up tests will be given to students who are absent from examinations. If a student has an excused absence from a test, then the final examination grade will be used in place of a missed test grade. To be excused for a test you need to give me a valid reason at least 24 hours before the test.

   Each unit test accounts for 1/6 of the final grade, and the final exam determines 1/3 of the final grade. If you attend class regularly then your lowest unit test grade can be replaced by a grade based on quizzes and turn in homework.