

Math 544 Course Outline

Fall 2002

TTH 9:30–10:45, Section 002

Text: *Introduction to Linear Algebra (5th ed.)*
by: Johnson, Riess and Arnold.

Professor: Anton R. Schep

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Office hours: M-W 10:30–12:00, or by appointment

Prerequisite: MATH 241

Tests: 3 one hour tests, each counting 20%, 1 Final exam counting 30%.

Tentative test dates: Test 1, Tuesday, September 24; Test 2, Tuesday, October 29; Test 3, Tuesday, November 26 (Note: this is the Tuesday before the Thanksgiving break).

Webpage: <http://www.math.sc.edu/~schep/math544.html>

Homework assignments: <http://www.math.sc.edu/~schep/homework544.html>

HW+Quizzes: 10% (Daily homework will be assigned, but not collected. There will a weekly quiz every Thursday, based on the homework of that week.)

Date of Final Exam: Thursday, December 12, 9:00 AM.

Material to be covered: Chapter: 1 (except 1.4 and 1.8), 3, 4 (except 4.8), 5, 6 (only 6.2) and selected applications as time permits.

In the early part of the course the manipulative aspects of linear algebra will be emphasized: Gaussian elimination to solve linear equations and matrix methods. The course however is intended to be more than just matrix algebra. As the course progresses many of the early topics will be revisited—with more emphasis on the abstract theory of linear algebra. Proofs will be discussed in class and you will be expected to do some proofs in homework and tests.

Make-up policy: No make-ups for missed quizzes (lowest 2 or 3 scores will be dropped), make-ups for missed hourly tests or final will only be given if they were missed for legitimate reasons. In this case any effort should be made to contact me as soon as possible and you might need to provide documentation to support your reasons for missing the tests.

Attendance policy: A grade penalty can be invoked, if more than 10% of classes are missed.