

Syllabus for Mathematics 700, Fall 1999

TIME AND PLACE: MWF, 4:00p.m. - 5:15p.m., LC 316

INSTRUCTOR: Ralph Howard OFFICE: LC 304 PHONE: 777-2913

OFFICE HOURS: TTh 11:00-12:00a.m., Fri. 2:00p.m. and by appointment.

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CLASS HOME PAGE: <http://www.math.sc.edu/~howard/Classes/700b/>

Texts: The main source will be Xeroxed notes based on the lectures. Supplementing these are:

REQUIRED: *Schaum's Outline of Theory and Problems of Linear Algebra*, by Seymour Lipschutz. There will be tests covering undergraduate linear algebra based on assigned reading out of this text.

OPTIONAL: *Linear Algebra*, by Kenneth Hoffman and Ray Kunze. This is a standard (and readable) graduate level reference for the subject and is worth having for that reason. However it is not cheap and one should be able to do fine in the course without it.

Tests and Grading:

HOMEWORK: Homework will be assigned and collected on a regular basis. Grades on homework are at least as important as grades on tests and the final.

TESTS: There will be two midterms and a final. The dates are

Test 1	Monday, September 27
Test 2	Wednesday, November 17
Final	Wednesday, December 8 - 5:30 p.m.

The first test will be graded and handed back before Thursday, September 30 which is last day to withdraw without a grade of "WF" being recorded.

QUIZZES ON UNDERGRADUATE MATERIAL: It is assumed that persons taking this class have had an undergraduate class in linear algebra and/or matrix theory. There will be short in class quizzes on this undergraduate material on the following dates:

Quiz 1	Wednesday, September 1
Quiz 2	Wednesday, September 15
Quiz 3	Wednesday, September 29

These quizzes will cover roughly the material in Chapters 1-4 of *Schaum's Outline*. A outline of the material to be covered will be distributed before hand. If the need arises there will be more than three quizzes on this material.

Optional Extra Class Meetings: For the first several weeks of the term there will be extra class meetings on Friday at 4:00p.m. for students that feel they need help reviewing the undergraduate material that will be covered on the quizzes. Attendance to these extra classes is entirely optional.