Mathematics 262: Honors Algebra II
Spring Semester 2001

<u>Meeting Place and time</u>: MWF 11:45 – 12:35, CCMB 328

<u>Instructor</u>: Professor Matthew Dyer, CCMB 201, 631-6082, dyer.1@nd.edu

<u>Office Hours</u>: Tuesday 10 – 11, and by appointment

<u>Text</u>: Linear Algebra, 3rd edition, by Stephen H. Friedberg, Arnold J. Insel and Lawrence E. Spence.

<u>Material to be covered</u>

Chapter 5 Diagonalization

Chapter 6 Inner Products and Norms

Chapter 7 Canonical Forms

<u>Exam Schedule</u>

Quizzes (always announced in class beforehand)

Exam I, Wednesday February 28 (in class, closed book)

Exam II, Wednesday April 4 (take home exam, closed book)

Final Exam, Monday, May 7, 8-10am (closed book)

<u>Grades</u> A major letter grade (A,B,C,D,F) will be assigned as an indicator of your performance on each exam. Your final course grade will be based on your total score out of 450 points, determined as follows:

Quizzes: 50 points total

Homework: 50 points total

Exams I and II: 100 points each

Final: 150 points

<u>Honor Code</u> Work on all tests and quizzes should, of course, be strictly your own. Students may ask others for help with their homework, and also work together when they choose to do so. However, it is unwise to do the homework exclusively in a group; there is no substitute for the insight that comes from individual concentration. In any case, your homework should be written up entirely by you so as to reflect your final understanding of the problem.

<u>Homework</u> Homework will be assigned regulalrly and will generally be due for collection one week from the class period in which it was assigned. Use complete english sentences in all written work. Special care should be taken to use the appropriate logical connectives, in order to make arguments coherent. Homework which is written in an illegible script, or in a disorganized manner, will not be accepted.