

Mathematics 261: Honors Algebra I
Fall Semester 2000

Meeting Place and time: MWF 11:45 – 12:35, Pasquerilla Center 102

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

Office Hours: Tuesday 10 – 11, and by appointment

Text: Linear Algebra, 3rd edition, by Stephen H. Friedberg, Arnold J. Insel and Lawrence E. Spence (available in bookstore).

Material to be covered

Chapter 1 Vector Spaces

Chapter 2 Linear Transformations and Matrices

Chapter 3 Elementary Matrix Operations and Systems of Linear Equations

Chapter 4 Determinants, and possibly additional material as time permits.

Exam Schedule

Quizzes (always announced in class beforehand)

Exam I, Wednesday September 27 (in class, closed book)

Exam II, Wednesday November 8 (take home exam, closed book)

Final Exam, Thursday December 14, 8-10am (closed book)

Grades 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

Honor Code 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.

Homework 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.