Texts: 
Leon, Herman and Faulkenberry, *ATLAST Computer Exercises for Linear Algebra*, which you might find bundled with Hoffman and Kunze
Student edition of Matlab *optional*

I hope to cover the first six chapters of Hoffman and Kunze in the first semester. The topics are linear equations, vector spaces, linear transformations, determinants and elementary canonical forms (chapters 1-3, 5-6) and whatever material on polynomials (chapter 4) we need for chapters 5 and 6.

Below is a tentative description of the kinds of assignments, grading, etc. which I plan for the course.

Assignments: I will give regular homework assignments, due on Fridays. These will have two or three parts, one or two to turn in and the other to present in class. There will be weekly assignments and there may be some longer ones. After this week homework assignments will be posted on the course web site

http://www.nd.edu/~nancy/Math261/info.html

Some of the assignments will involve using Matlab and some may be small group projects. I do not accept unexcused late homework.

Either late this semester or sometime next semester I will also assign each student a topic to present to the class.

Exams: There will be a two “midterms” and a final exam. Each exam will have a take-home part and an in class part.

Exam I: Wednesday, October 2
Exam II: Wednesday, November 6
Final: Monday, December 16, 8:00–10:00

Grading: Each midterm will count for 15% of your grade and the final will count for 25%. Other written work will count for 30-35% and oral presentations will count for 15-10%.

Assignment 1, due Friday, Sept. 6:
Hoffman and Kunze, to turn in:

p. 5 #1,3,5, p. 10 #1,2,3,5,6, p. 15 #1,6,7,8, p. 21 #1

to present in class:

p. 5 #8, p. 21, #3