Linear Algebra and Differential Equations (Math 383) - Spring 2012
MWF 11:00-11:50 AM, Phillips Hall 228

Instructor: Shilpa Khatri        Email: khatri@email.unc.edu
Office: Phillips Hall 314


Course Website: http://www.unc.edu/~khatri/math383/math383 (the website is under construction and may be modified, I will notify you if this is the case. There will always be a link from http://www.unc.edu/~khatri)

Prerequisites: Proficiency in Calculus (unto and including Math 233) and Algebra

Course Description: Math 383 is a first course in differential equations and linear algebra. The course topics include first and second order linear ordinary differential equations, some basic matrix algebra, systems of equations, some basic numerical approaches and an introduction to non-linear equations.

Homework and Computer Assignments: Homework will be assigned regularly from the textbook. No makeup or late homework will be accepted. Rather the lowest two homework grades will be dropped. Computer assignments will require using a computer which has some type of mathematical programming software installed. Depending on the length of the assignment, a computer assignment may count as more than one homework assignment (this will be made clear when the assignment is given out).

Quizzes: Unannounced quizzes may be given during the semester. These will be short, usually including just one problem. These quizzes will allow you to gain bonus points on the two tests.

Tests: There will be two tests during the semester.

Test 1: February 13
Test 2: March 23

*Note that this is just a plan and the dates may change as the course evolves. I will attempt to notify you of any changes as early as possible.

Final: Friday April 27 at 12 PM

Office Hours: TBD (Phillips 314)
*If these times do not work for you, do not hesitate to email me and make appointments.

Grading:
Homework and Computer Assignments Average: 20% (two lowest homework grades will be dropped)
Each Test: 20% (lowest grade can be replaced by the final grade)
Final: 40%

Honor Code: It is expected that each student in this class will conduct him or herself within the guidelines of the UNC Honor System. All academic work should be done with the high level of honesty and integrity that this University demands.