Time and Place: MWF 8 - 9 am in 140 SR.
Instructor: Dr. David Blecher.
Office Hours: 622 PGH Monday, Wednesday 11-12 am (this may change), or call 743-3451 for appointment.
Email: dblecher@math.uh.edu
My website: http://www.math.uh.edu/~dblecher
Prerequisites: Math 1432 - Calculus II.
Final exam: Friday May 7, 8-11am. There will be no make-up final.

In this course we learn how to solve certain classes of differential equations. In the first part, we review first order differential equations. Later we will solve certain nth order linear differential equations. We will need to learn a little linear algebra and matrix theory, and a little about eigenvalues and eigenvectors. We use this to solve certain nth order linear differential equations, and systems of simultaneous linear differential equations. Finally we look at the Laplace transform, and how it may be used to solve certain differential equations.

The tests and exam will be based on the notes given in class, and on the homework. It is highly recommended that you keep good class notes. The syllabus is quite long, thus we need to move fast. It is important to keep up to date. A set of Homework Exercise numbers is provided. You should attempt as many homework problems as possible. A course booklet containing some worked problems will be available for purchase at the copy shop, under Math 3321 Blecher. They are there to help you learn and INTERNALIZE the material. They will not be collected or graded, but may feature verbatim on the quizzes. You are encouraged to work with others, form study groups, and so on, however simply copying homework will not help you assimilate the material.
Please bring your student ID, but no calculators, to tests and exams.
Please bring comments or complaints to my attention as soon as possible. Don’t wait until the end of the semester to bring up a matter which we could deal with and solve early on. Use the Mathlab, and the Social Work building tutoring service. Remember that Math is always easy when you look back on it, AFTER you have spent the time wrestling with the new concepts and doing plenty of exercises. No pain, no gain. So, a recipe for success: 1) Do as many problems as possible, 2) Clear up confusions (ask for help if you are lost, we want to help you get found!), 3) Learn from your mistakes - for example, check carefully through your graded work, 4) Give sufficient time to study (particularly for tests).

Course grade is approximately based on a total score of 600 points consisting of homework (100 points), three semester tests (100 points each), and a final exam (200 points). The instructor may change this at his discretion. Incompletes: only given to students with at least a C average who are unable to take the Final for unforeseeable, unpreventable, documented circumstances.