MATH 2250
Differential Equations and Linear Algebra
Spring Semester, 2008, University of Utah

Time: TTh 6:00PM-7:30PM
Place: WEB 102 (Warnock Engineering Building)

Instructor: Damon Toth
Office: LCB 315 (LeRoy Cowles Building)
Phone: 585-7657
e-mail: toth@math.utah.edu
Office hours: TTh 4:30-5:30PM, or by appointment


Homework: There will be 12 homework assignments. Each homework will be due in class, one week (or more) from the date it is assigned. Homework will constitute 30% of the course grade.

Exams: There will be two midterm exams and a final exam, constituting 20%, 20%, and 30% of the course grade, respectively.


Teaching Assistants: Erika Meucci and Liang Zhang
e-mail: meucci@math.utah.edu and lzhang@math.utah.edu

TA help sessions: To Be Announced
Course content: We will cover most of the following chapters in the textbook:

- Chapter 1: First-Order Differential Equations
- Chapter 2: Mathematical Models and Numerical Methods
- Chapter 3: Linear Systems and Matrices
- Chapter 4: Vector Spaces
- Chapter 5: Higher-Order Linear Differential Equations
- Chapter 6: Eigenvalues and Eigenvectors
- Chapter 7: Linear Systems of Differential Equations
- Chapter 9: Nonlinear Systems and Phenomena (time permitting)
- Chapter 10: Laplace Transform Methods (time permitting)

Computing: Some homework problems will require the use of computers, specifically the program Maple. Introductory sessions in Math computing and Maple will be offered to those who need it.

Tutoring Center: Room 155 of the T. Benny Rushing Mathematics Center (adjacent to the LCB and JWB) — free tutoring available for help on homework assignments, including computing problems. Check their schedule on their website: http://www.math.utah.edu/ugrad/tutoring.html