Instructor: Fernando Guevara Vasquez.

Contact info: fguevara@math.utah.edu, 801-581-7467, LCB 212.

Office hours: MTW 9:30am-10:30am or by appointment.


Prerequisites: Math 5610 or instructor’s permission. Basic Matlab programming.

Hours: MTWF 8:35am-9:25am


Course website:
http://www.math.utah.edu/~fguevara/math5620_s09

Description: This is the continuation of Math 5610. Topics include.
- Numerical solution of ordinary differential equations (Chap 5 and 11)
- Numerical solution to partial differential equations (Chap 12)
- Approximating Eigenvalues (Chap 9)
- Numerical solution of non-linear systems of equations. Optimization. (Chap 10)

Grading:
- Homeworks (40%): There will be between 4 and 6 homeworks.
- Project (15%): To be announced in class.
- Midterm (15%): Tentatively Monday February 23 2009, in class. Exact date will be announced at least one week before.
- Final (30%) Wednesday May 6 2009, 8am-10am (per university’s final exam schedule)

Students with Disabilities: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.