Syllabus for Math 151A - 1: Applied Numerical Methods

Course: Math 151A - Lec 1
Lecture: MWF 9-9:50am at MS 6229
Discussion: Thursday 9-9:50am at MS 5137

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Class Webpage http://www.math.ucla.edu/∼navasca/151a.1.03f/

Textbook Burden and Faires, *Numerical Analysis* 7th ed., Brooks/Cole

Grading Scheme

Theoretical Homework	20%
Computational Homework	10%
Midterm Exam	30%
Final Exam	40%

Assignment

There are two types of assignments: theoretical and computational. The theoretical homework will be assigned biweekly starting on Monday (Sept. 29th) at the course webpage. The theoretical homework will be collected two weeks later at the beginning of lecture. There will be a total of 5 theoretical assignments. **No late homework will be accepted!** Please **do not** wait until the last minute to do your homework as the assignment will be two weeks worth of work.

There will be 3 computational assignments. The computational homework will be posted on Thursday at the course webpage starting on October 9th. The first homework will be collected after two weeks of the posting date by your TA in the beginning of your Discussion Class. The two remaining computational assignments will be due three weeks after the posting date in the beginning of your Discussion Class. The lab write-up will consist of hardcopies of all the codes implemented and a discussion on numerical results which may include data tables and/or graphs. You may code in your favorite language, but there will be support for algorithms written in MatLab. So, I advise those students who have little or no computing background to use MatLab.

I encourage you to talk to your classmates to discuss topics in class and homework problems. However, when it comes time to turn in your assignments (theoretical and computational), I expect you to do your own individual write-ups and codes!

There will be no late homework accepted! However, you may always turn your homework early.

Computer Lab
You will have access to PIC Lab located at BH 2817. You may check out the PIC Lab webpage at *http://www.pic.ucla.edu/piclab*. A class account is created automatically once you are registered for this class. Activate your account in BH 2817 with your *bruin on-line username* and 9-digit ID number. If you don't have a bruin account, please see a lab assistant on duty.

Exam Dates
Midterm: Friday, Oct. 31st, 9-9:50am at MS 6229
Final: Thursday, Dec. 11th, 11:30am-2:30pm

Make-up Exam Policy
If you missed an exam without valid medical document from a doctor or proper document for University-sanctioned reasons (usually for athletes and band members), you will receive a *0* on the exam. For University-sanctioned excuse, you must contact me ahead of time to schedule an early make-up exam date.