Syllabus for math 20D: differential equations
MWF 8-8:50 at PCYNH 106

Description: 1st order DE's, 2nd linear DE's, system of 1st order linear DE's, series solution, Laplace transform
Textbook: Elementary Differential Equations (10th ed) by Boyce and DiPrima
Professor: jiangang ying
Office: apm 7450
Office hour: 1:30-2:30pm, Monday, Wednesday, Friday

Subject Material: We will cover parts of chapters 1-3 and 5-7 of the text.

Lecture: Attending the lecture is a fundamental part of the course; you are responsible for material presented in the lecture whether or not it is discussed in the textbook. You should expect questions on the exams that will test your understanding of concepts discussed in the lecture.

Reading: Reading the sections of the textbook corresponding to the assigned homework exercises is considered part of the homework assignment; you are responsible for material in the assigned reading whether or not it is discussed in the lecture.

MatLab Homework: visit https://www.math.ucsd.edu/~math20d/
Homework: we use WileyPlus for online homework assignment. Course code is 549063. See instruction at http://www.math.utk.edu/~jconant/flyer.pdf

Midterm 1: Feb 1, covers roughly 2.1-2.2, 2.4-2.6, 3.1
Midterm 2: Mar 1, covers roughly 3.1-3.6, 7.1-7.6
Final exam: Monday 3/20/17 from 8-11am, all contents covered in the lectures.

● You must bring a blank blue book, your student ID card, and pencils/erasers (or pens). You may also bring a single 8.5 x 11 handwritten sheet of notes.
● No books, calculators, or other electronic devices will be allowed during the midterms or the final exam.

Grade= 20% homework+ 20% midterm 1+20% midterm 2+40% final exam

You may drop a midterm, and in that case the 20% will add to final exam. If you want to drop midterm, be sure come to my office and sign your name to make a formal request, in the week before final exam.

Attention: Considering suggestion from professors and students, the final grade will take the highest of the following three scores automatically
1. 20% homework + 20% midterm 1 + 20% midterm 2 + 40% final exam

2. 20% homework + 20% midterm 1 + 60% final exam

3. 20% homework + 20% midterm 2 + 60% final exam

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