APMA 0360: Methods of Applied Mathematics II
Fall Semester 2012

Lectures: MWF 12:00–12:50pm, Barus & Holley 158

Instructor information:

- Instructor: Toan Nguyen
- Office: Room 328 in 182 George Street
- Phone: (401) 863-2114
- Email: Toan_Nguyen@Brown.edu
- Webpage for this course:
  http://www.dam.brown.edu/people/tnguyen/Teaching/Fall2012/APMA0360-f12.htm
- Office hours: Mondays 9-10am and Fridays 10-11am
  Office hours are subject to change; changes will be announced in class and posted on the above website.

Textbook:

- *Elementary Differential Equations and Boundary Value Problems,* by W.E. Boyce and R.C. DiPrima [9th edition], published by John Wiley & Sons Inc.

Purpose of the Course:

- This is the second course in the series APMA0350-0360 of elementary differential equations, which is intended primarily for students who desire a rigorous development of the mathematical foundations of the methods used, for those students considering one of the applied mathematics concentrations, and for all students in the sciences who will be taking advanced courses in applied mathematics, mathematics, physics, engineering, etc.

Teaching Assistant: Mohsen Zayernouri

- TA Office Hours: Tuesday 8:30 am- 10:30 am
- TA Recitation Hours: Thursday 8:30 am- 10:30 am
- Place: Basement of 37 Manning St., Room 006

Grading policy:

- Your grade will be based on
  - Weekly homework: **20%**
  - In-class Midterm 1: **20% on Wednesday, October 3rd**
  - In-class Midterm 2: **20% on Wednesday, November 7th**
  - Final exam: **40% on Wednesday, December 19th, 9am-12pm**
- "Grading on the curve" is not applied in this course.

Homework:

- Homework will be handed out on Fridays in class or can be downloaded directly from the main webpage of this course.
- Homework must be turned in by 4pm on Fridays in the designated Drop Box for this course in the Division of Applied Math (182 George street).
- There will be 12 HW assignments and the TWO lowest homework grades will be dropped.
- **Late homework will not be accepted.**

Additional help:

- Besides coming to my office hours, students are strongly encouraged to come to TA recitations, TA office hours, and the Math Resource Center for help (link: http://www.math.brown.edu/mrc).

Content of the course (following the textbook):