Syllabus for Math 306: Honors Differential Equations  
Fall 2014

Course:
Lecture:  MW 12:00-1:15 pm  Rm. Kreiger 308
Section:  F 12:00-12:50 pm  Rm. Kreiger 308

Lecturer: Jacob Bernstein  
Office:  Kreiger 408  
Phone:  x6-6089
Email:  bernstein@math.jhu.edu  
Office Hours:  T 3-4 pm

Teaching Assistant: Alexander Grounds  
Office:  Kreiger 211  
Phone:  
Email:  aground1@math.jhu.edu  
Office Hours:  M 3-4pm

Course Website: The course website is http://math.jhu.edu/~bernstein/math306

Prerequisites: Single-variable calculus. Some familiarity with complex numbers, multi-variable calculus and linear algebra will be helpful.

Text: The course texts (on reserve in the library) are:

Material to be Covered:
- First Order Differential Equations, Systems of Linear ODEs, Second Order ODEs, Laplace Transform, Non-linear ODEs.

Course Schedule: A (tentative) schedule may be found on the course website.

Homework: Weekly homework will be due during lecture on Wednesday. The homework will be posted to the course website the previous week. Late work will not be accepted. There will be 10 sets assigned in total. Homework counts for 20% of the final grade with the lowest grade dropped.

Exams: There will be two in class midterm exams. The midterms count for 20% of the final grade. Date of the midterms: Wednesday, October 8 and Wednesday, November 5. The final counts for 40% of the final grade. Date of the final exam: Wednesday, December 17, 9am-12pm.

Working Together: Working together is allowed and encouraged, however it is essential that each student write up his or her own solutions. Use of sources (i.e. other people, books, the internet) without proper attribution will be considered plagiarism.

Math Help Room: You may obtain additional assistance from The Math Help Room in Krieger 213 which is open Monday - Thursday 9am-9pm and Fridays 9am-5pm.