MATH 208 - SPRING 2014

Instructor: Professor Jesse Peterson
e-mail: jesse.d.peterson@vanderbilt.edu
Office: SC 1414
Office Hours:
    Mondays: 11:00-11:50am
    Wednesdays: 8:00-8:50am
    Wednesdays: 11:00-11:50am

Course Description and Book:

Ordinary Differential Equations. First- and second-order differential equations, applications, linear differential equations, series solutions, boundary-value problems, existence and uniqueness theorems. Intended for mathematics and advanced science majors. Prerequisites: Concurrent enrollment in 205b or prior credit for both multivariable calculus and linear algebra.

The book for the course is Fundamentals of Differential Equations and Boundary Value Problems, by Nagle, Saff, and Snider, sixth edition. ISBN-13: 978-0321747730

Website:

http://www.math.vanderbilt.edu/~peters10/teaching/spring2014/math208.html

Homework:

Homework assignments will be given in class and will be due by the beginning of class on Fridays. Homework must be turned in either at the beginning of class, during office hours, or in electronic form via email. I will not accept homework put in my mailbox or slid under my office door. Assignments turned in after the beginning of class will be considered late.

You are allowed, and encouraged even, to work in groups on the homework. However, you must each turn in your own written solutions.

Assignments which are turned in the Friday before an exam will not be returned before the exam. Make sure to photocopy these assignments so that you may use them to study.

Late homework:

It is your responsibility to have your homework turned in by the beginning of class on the day it is due. This is the case even if you are unable to attend the class yourself. I will allow late homework without penalty but only if it is turned in during regularly scheduled office hours the following week. If you turn in late homework you will also have to present to me on the blackboard a problem of my choosing.

Homework guidelines:

The homework you turn in should look neat and professional. The following guidelines must be followed. If they are not then your homework will be returned ungraded and will be treated as late homework under the guidelines stated above.

• It must be written on 8.5x11 inch white paper which is either lined or blank. If lined paper is used it should only be three hole punch with no frill.
• It must be either typed, or printed in pencil or black ink.
• It must be stapled.

• The problems must be answered linearly in the order they are presented.

• You homework must not looked crammed, you should leave a bit of space between problems and in the margins.

• It must not have scratch work or scribbles on it.

• Your solutions should clearly indicate your reasoning process, credit will not be given if you do not show your work.

• The problems must be written on your homework directly before your solutions. You do not need to write the problems out word for word, but it should be clear enough so that someone can understand what is being solved for without having to refer to the book.

Exam dates (in class):
   Monday, February 10th.
   Monday, March 17th.
   Monday, April 14th.

Final exam (in class and comprehensive):
   Tuesday, April 29th, 9:00am.

Grades:
   The usual grading scale used will be: A:93-100, A-:90-92, B+:87-89, B:83-86, B-:80-82, C+:77-79, C:73-76, C-:70-72, D+:67-69, D:63-66, D-:60-62, F:0-59. The final grade will be based on the homework (25%), tests (15% each), and final exam (30%). Individual exams may be curved as needed but the final grade will not be curved.

Academic integrity:
   You will all be held to the standards set forth in the Student Handbook. For more information visit

   http://www.vanderbilt.edu/studentconduct/

Make-up policy:
   There will be no make-up tests or homework assignments. The attendance and make-up policy will follow the guidelines set forth by the College of Arts and Sciences. For more information visit

   http://www.vanderbilt.edu/catalogs/undergrad/artscience.html

Important Dates:
   January 20, Last day to drop a course, or to adjust level of math class.
   January 20, MLK Day. Classes do not meet.
   March 1-9, Spring Break. Classes do not meet.
   March 14, Last day to withdraw from a class or change from pass/fail status to a graded status.
   April 15-21, Dead Week.
   April 21, Last day of class.