Mathematics 3113: Ordinary Differential Equations
Spring 2010

Instructor  Steven Spallone
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            Office: PHSC 1011
            325-0766

Class
   The 001 section meets TuTh 10:30-11:45 in PHSC 321.
   The 004 section meets TuTh 12:00-1:15 in PHSC 222.

Office Hours
   TuTh 1:30-2:30.
   Also by appointment.

Outline
   This course is an introduction to differential equations. Our main focus will be on ordinary
   linear differential equations in one or two variables. We will solve them using the theory of
   characteristic equations, eigenvectors, and the Laplace Transform.

Prerequisite
   Math 2423. I strongly recommend you review integration by parts and the method
   of partial fractions, especially towards the end of the semester.

Textbook

Homework
   Homework will be assigned weekly, due Tuesdays. Assignments can be found at my webpage,
   “http://www.math.ou.edu/~sspallone/Teaching/Spr10/3113.html” and should be up by the
   previous Tuesday.
   I encourage you to discuss the homework with your peers, but turn in separate papers, and
   use your own presentation. Also make sure you staple your assignments if necessary and that
   your work is neat. Late homework may receive comments but not a grade; however I will
   drop the lowest Homework/Quiz grade. Bear in mind the Oklahoma State Motto, “Labor
   Omnia Vincit”!

Quizzes
   I plan to give one or two 10 to 15-minute quizzes. Each is worth a homework grade. They
   will be announced beforehand.

Exams
   There will be two midterms and a final for the class. Dates will be determined later. No
   notes or calculators.

Final Grades
   Homework & Quizzes  15%
   First Midterm     25%
   Second Midterm    25%
   Final Exam        35%
Justice
Academic dishonesty does not look good on your transcript.
Please consult “http://www.ou.edu/provost/integrity” for the school’s policy on this matter.

Accommodation
The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

Diversity
It is the policy of the University to excuse the absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional class work that may fall on religious holidays. I would prefer not to write make-up exams, so please give me a head’s up when I plan exam times.