MATH 320: Elementary Differential Equations

- Course Information

  Class number: 26657
  Class meetings: Strong Hall 30, TR 1:00–2:15PM
  Grade: Homework (100), quizzes (100), midterms (200), and final (200)
  Office Hours: TR 11:00–12:00PM, or by appointment
  URL: http://www.math.ku.edu/∼moh/teaching/M320/M320.html

- Purpose: This course is an introduction to the most basic concepts and methods in solving ordinary differential equations. The emphasis of this course is on linear ordinary differential equations, series solutions, Laplace transforms, and systems of equations.

- Required Textbook : *Elementary Differential Equations and Boundary Value Problems*, 9th Edition, by Boyce and DiPrima. Published by John Wiley & Sons, Inc.

- Homework: Homework problems are posted on the course website I encourage you to solve all these problems. The homework is assigned to give you practice and to help you identify where you are having trouble so that you can ask for help. It will be collected every Thursday. Assignments due at the beginning of class. NO LATE ASSIGNMENTS ACCEPTED UNDER ANY CIRCUMSTANCES.

- Quizzes: There will be regular quizzes in class. The quizzes will cover the material presented in class up to the date. NO MAKE-UP QUIZZES.

- Exams: There will be two in-class Midterm Exams, on **Sept. 30** and **Nov. 18**. There will also be one Final Exam on **Dec. 13**. If you have a valid reason for missing the exam, you should discuss with me **before** the exam. NO MAKE-UP EXAMS.

- How to succeed: You **should** check the course website regularly for homework problems, solutions and other information. You **should** read the covered materials in the book before you come to the class.

- Policy on attendance: Students are expected to attend every class. If it is necessary to miss a class, it is the student's responsibility to make-up the missed material.

- Contact Information

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- Topics to be covered include:
  Chapter 1 Introduction
  Chapter 2 First order differential equations
  Chapter 3 Second order linear equations
  Chapter 5 Series solutions of second order linear equations
  Chapter 6 The Laplace transform
  Chapter 7 Systems of first order linear equations