

Math 204 - Differential Equations

Fall 2012

Instructors:

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- Tolga Etgü, tetgu@ku.edu.tr, SCI 267, Office Hours: Mon 1:45-2:45, Wed 2:30-3:30

Teaching Assistants: Karatuğ Ozan Bircan, Melike Şırlancı

Web Address: Assignments, answer keys, and updates about the course will be posted at the course website: <http://home.ku.edu.tr/~math204>

Textbook: W. E. Boyce and R. C. Di Prima, *Elementary Differential Equations and Boundary Value Problems*, 9th Edition (John Wiley & Sons, New York, 2010).

Topics to be covered (tentative): Introduction to differential equations (Chapter 1); First order ODEs (ordinary differential equations) (Chapter 2); Second and higher order ODEs (Chapter 3 and 4); Power series solution of ODEs (Chapter 5); The Laplace transform (Chapter 6); Systems of linear ODEs (Chapter 7); Partial diff equations (Chapter 10)

Evaluation method: Students' progress will be evaluated according to their performance in three midterms and a final exam. The midterm exams are planned to be held during the weeks of October 17, November 19 and December 17. These exams will cover the material not covered in the earlier exams. The final exam will be a comprehensive exam covering all the material of the course. The contribution of the midterm and final exams are as follows: midterm exams 20% each, final exam 40%.

Problem Session Attendance Bonus: The bonus for problem session attendance will be 0.5% for each problem session attended.

The Make-Up Policy: If a student misses only one midterm exam and has a **documented valid excuse** (e.g., illness, family emergency, or attendance to university endorsed activities) **accepted by the Dean's office**, his/her score in the final exam will be substituted for the grade of the exam that is missed. If a student misses more than one midterm exam and/or the final exam, and has a documented valid excuse accepted by the Dean's office for all, a single comprehensive make-up will be given after the final and its grade will be substituted for the grades of the exams that are missed.

Policy for Auditing Students: In order to get an AU (Audit) in this course a student should attend a minimum of 20 lectures. It is the auditing student's responsibility to contact the instructor at the end of each class and ask to sign a special attendance sheet.

Academic Dishonesty: Students and faculty adhere to the following principles of academic honesty at Koç University. Cheating, plagiarism, and collusion are serious offenses resulting in an F as well as serious disciplinary action.