Math 3303: Ordinary Differential Equations, Fall 08

Instructor: Dr. A. Boumenir
Location: Monday, Wednesday, Friday 11:00-11:50, Boyd 301
Office: Boyd 321
Office Hours: Monday, Wednesday, Friday 10:00-11:00 and 12:00-14:00 or by appointment
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Objective: This course is an introduction to differential equations. The student will learn the main methods used to solve simple differential equations and the theoretical side of existence and uniqueness of solutions. Due to its importance in real life applications, and engineering, we shall use Maple, a computer algebra system CAS, to explore topics such as the Laplace transform, Matrices and the numerical integration of differential equations. (TLC-1116) on Fridays.

Tests: There will be 3 class tests, 100 points each, given on Fridays: September 19th, October 17, November 21.
Quizzes Weekly quizzes are given on Fridays and cover questions from the homework. Each quiz counts 20 points towards your final grade and the best 10 Quizzes are counted.
Final Exam: The final exam is Monday, Dec 8th at 11:00-1:00pm and counts 200 points

Evaluation: Tests 300 points
Quizzes 200 points
Final 200 points
Grading: A: 630-700; B= 560-629; C=490- 559; D= 420-489; F=0-420
W Deadline: October 8th is the last day to withdraw with grade of W.
Attendance: 8 absences lead to WF.

Material: We shall cover all of: Chaps 1-6 and 8. If time permits Chap 7, the Laplace transform, and will be done in computer lab.

Maple You can purchase your personal student copy of Maple 12 part of this course at a discounted price. Please visit the link http://www.maplesoft.com/academic/adoptioncenter/adoptioncenter_coursedetail.aspx?EID=3963