Math 24 - Summer Session 2
Ordinary Differential Equations
Tu-Th, 9:00am - 12:30pm, Physical Sciences 130

Gabriel Martins

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Office Hours: Tu-Th 1:30pm to 3:00pm (at McHenry 1270)

I might make slight updates to the syllabus during the course.
You can always find an updated version on the class website.

Course Description: First and second order ordinary differential equations, with emphasis on
the linear case. Methods of integrating factors, undetermined coefficients, variation of parameters,
power series, numerical computation. Students cannot receive credit for this course and Applied
Mathematics and Statistics 20.
Prerequisite(s): Course 22 or 23A; course 21 is recommended as preparation. Prerequisite waived
for non-UCSC students.
Credits: 5 units

Text: Elementary Differential Equations and Boundary Value Problems, 10th edition
Authors: William E. Boyce and Richard C. DiPrima

Course Objectives:
At the completion of this course, students will understand and be able to apply different methods
for solving differential equations including: Integrating factors, separations of variables, character-
istic polynomials, series solutions, Laplace transforms.

Grade Distribution:
Quiz 1 20%
Quiz 2 20%
Quiz 3 20%
Final Exam 40%
Homework: Homework will be assigned, but not graded and will serve as preparation for quizzes and the final exam.

Quizzes: Quizzes will be based on the homework assignments and will be held on Thursdays. Dates: 08/10, 08/17 and 08/24.

Final: A cumulative final exam will be held on the last day of class, Thursday August 31.

Discussion sections:
Wed 2:00-3:30 pm
Fri 6:00 - 7:30 pm

Room: PhySci 110
TA: Matt Grace
Email: migrace(at)ucsc(dot)edu

Important Summer Session 2 Dates:

- Thursday August 3: Enrollment period ends.
- Monday August 7: Drop period ends.
- Friday August 11: Deadline to change grade option.
- Friday August 18: Withdrawal period ends.
- Thursday September 7: Grades posted.

Students with Disabilities: If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me as soon as possible, preferably within the first week of classes. Contact DRC by phone at 831-459-2089 or by email at drc[at]ucsc[dot]edu for more information.

Tutoring: If you would like to hire a tutor for this class and you’re not sure how to find one, you are welcome to ask me for recommendations and I will put you in contact with good tutors I know. Additionally, a list of tutors is supplied by the Math Department at:

http://www.math.ucsc.edu/undergraduate/tutor-list.html.