



Instructor: Maia Martcheva.

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Office: 469 Little Hall

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Class time and place: MWF 12:50-1:40 (6th period), Lit 203

Office Hours: MWF 1:55-2:45 (7th period) or by appointment.

Goal: Introduce the subject of Ordinary Differential Equations. Develop skills in solving single equation ODEs.

Textbook: Fundamentals of Differential Equations, 9th edition, Nagle, Saff, Snider (required).

Topics:

- Introduction to Differential Equations (Ch 1)
- Methods for Solving First Order ODEs (Ch 2)
- Higher Order Differential Equations (Ch 4)
- The Laplace Transform (Ch 7)
- Modeling with Differential Equations (Ch 3 and 5) if time permits

Notes:

MAC 2312 is a prerequisite. You must have good integration and differentiation skills.

Homework will be assigned on the Web. It will not be due but problems from the homework will be included on the tests.

Calculators that do not perform symbolic calculations are permitted during examinations but graphic calculators are not permitted. In general, you should not need a calculator.

There will be three exams during the term and a final exam. However, only your three best scores will count towards your final grade. The final exam will be given on the date and at the time published on the front page.

Hour Exam	100
Hour Exam	100
Hour Exam	100
Total	300

GRADES:

1. You will have four in class 50 minute exams during the semester but only three scores will count towards your final grade. As a consequence make-up exams will not be given. You are strongly encouraged to take all exams on time.
2. Cutoffs for letter grades are decided based on jumps in the point total.

Approximate lower bounds for letter grades may be.

- A 270 points or higher.
- B 230 points or higher.
- C 250 points or higher.
- D 160 points or higher.
- E below 160 points.

8565, www.dso.ufl.edu/drc). The DRC will provide documentation. The student must then present this documentation to instructor to meet the requesting accommodation. This should be done as early in the semester as possible.

Students are expected to know and follow the [Code of Student Conduct](#). In particular, students must refrain from cheating, not make their work available for cheating, give due credit and citation for any quoted work, and make only fair use of copyrighted materials and software. You are expected to write exams and complete computer projects on your own. The university has a policy on academic honesty, which may be found in the University of Florida Rules, 6C1-4, dealing with Student Affairs. In contrast to the exams and computer projects, you are allowed to work with others on homework problems—including the ones to be handed in.

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Attendance is not required, but strongly recommended.

Incomplete grades are assigned only for **extreme** situations.

If necessary, I will schedule office hours outside the ones posted.

Course Evaluation:

Students are invited to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>

