Instructor Information

Course Instructor: Dr. Darryl Chamberlain Jr.

Office: LIT 437

Contact: Canvas (preferred) or email dchamberlain31@ufl.edu.

Office Hours: Office hours are weekly scheduled times where you can ask questions and seek assistance with the course. You are free to visit the scheduled office hours without making an appointment. A list of all scheduled office hour times is available on Canvas. To meet outside of the scheduled office hours, please email to make an appointment.

Course Information

Description of Course:
This course presents techniques for solving and approximating solutions to ordinary differential equations. It is primarily for students in disciplines which emphasize methods. We will cover some material from Chapters 1 (Introduction), 2 (First Order ODE), 4 (Second Order ODE), 7 (Laplace Transform), and 8 (Series Solutions).

Prerequisites:
MAP2302 assumes that you have essential Calculus 2 (MAC2312) skills necessary to succeed in this course. Students should be able to do the work without a calculator. A grade of C in UF MAC2312 meets the minimum requirement for the course. We encourage students to review the prerequisite material to gain a strong knowledge in order to succeed in Differential Equations.

Course Materials:
Canvas is your main resource for this course. You can access Canvas by going to https://ufl.instructure.com/ and then using your Gatorlink username and password to login.


MyMathLab Access Code: It includes an access to the ebook and the online homework assignments. To purchase a MyMathLab access code:

You have the choice to “opt-in” to MML access and the e-book through CANVAS once classes begin and pay for these materials through your student account. See the Syllabus tab in CANVAS for more details.

NO CALCULATORS are allowed on the exams. A graphing calculator and Wolframalpha are useful as a study and learning tool (when used appropriately) but are not essential.

Course Structure:
Class time will be devoted to exploring the basic concepts and applications of differential equations. While examples will be provided, they will rarely be worked out completely during lecture time. Online homework is where you will practice and master the specific techniques and skills we cover during class. Homework and quizzes for each chapter will be due the night of its corresponding exam. Exams will be administered during the normal 50-minute class period. There will be five exams, each corresponding to a chapter of content. Exams will consist of a multiple-choice section and open-response section. The best four exams will count towards your final course grade.
Important Dates

- January 7\textsuperscript{th} – Classes Begin
- January 21\textsuperscript{st} – MLK Day (no classes)
- March 2\textsuperscript{nd} through 10\textsuperscript{th} – Spring Break (no classes)
- April 12\textsuperscript{th} – Withdrawal Deadline
- April 24\textsuperscript{th} – Classes end
- May 2\textsuperscript{nd} (10am – 12pm) - Final Exam

Exams during the semester will be scheduled as we complete the material. You will be given at least 1 week notice before each exam.

Course Grade

**Final Exam:** 100 points  
**50-minute Exams:** 300 points (75 points each, best four exams count)  
**Homework (in MyMathLab):** 100 points

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<td>375 – 387</td>
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<td>A-</td>
<td>450 – 464</td>
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Grade disputes on exams must be made within a week of receiving your grade. There will be no extra credit assignments nor ways to raise your grade at the end of the semester.

Attendance, Late, and/or Missed Work Policies:

- Homework assignments will be due the night of their corresponding exam. For example, if the exam on First Order ODEs (Ch. 2) is on February 2\textsuperscript{nd}, all homeworks on First order ODEs will be due at 11:59pm on February 2\textsuperscript{nd}. Since these dates are not set now, homeworks will not show as having a due date until the exam date is set. These assignments will not be reopened once they close.
- If you know you will miss an in-class exam for a valid reason, you should let me know ASAP. Make-up exams will be provided within a week of the in-class exam.
University Policies and Assistance

Students with Disabilities:
1. Register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation.
2. Email dchamberlain31@ufl.edu your accommodation letter, along with any additional information.
3. Register for the Progress Exams through the DRC (if you get extended time) to ensure testing accommodations are met.
   This should be done as early as possible in the semester. However, you can submit your accommodation letter to the coordinator at any point in the semester.

Academic Honesty:
UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.” On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (https://catalog.ufl.edu/ugrad/1617/advising/info/student-honor-code.aspx) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the course coordinator or TAs in this class.

Online Course Evaluation:
Students are expected 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/.

Campus Resources:
U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.
Counseling and Wellness Center: http://www.counseling.ufl.edu/cwc/Default.aspx, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.
Sexual Assault Recovery Services (SARS) Student Health Care Center, 392-1161. University Police Department, 392-1111 (or 9-1-1 for emergencies). http://www.police.ufl.edu/

Extra Help:
Teaching Center Math Lab: Located at SE Broward Hall (and LIT 215). Offers free, informal tutoring. https://teachingcenter.ufl.edu/tutoring/

Private Tutors: A list of qualified private tutors for hire is available on the UF math website https://math.ufl.edu/courses/ under Advising and Help with Courses.