

MAP 2302 Elementary Differential Equations

Summer A 2021

Instructors:

Jason Harrington
mathguy@ufl.edu

Calistus Ngonghala
calistusnn@ufl.edu

Patrick Carmichael
carmichael@ufl.edu

Course Description: First-order ordinary differential equations, theory of linear ordinary differential equations, solution of linear ordinary differential equations with constant coefficients, the Laplace transform and its application to solving linear ordinary differential equations.

Prerequisites: MAC 2312, MAC 2512 or MAC 3473 with a minimum grade of C.

Textbook: R. Kent Nagle, Edward B. Saff and Authur David Snider. Fundamentals of differential equations and boundary value problems. Seventh Edition. (Pearson) (2019). ISBN: 978-0321977106

Office Hours: Will be posted in Canvas

Grades:

Here is a breakdown of the items that will determine your grade in this course:

Item	Grade %	Comments
Homework	8%	24 assignments, no drops
Quizzes	12%	8 assignments, lowest 2 dropped
Exams	60%	3 exams, lowest score dropped
Final Exam	20%	Cumulative exam, June 19
Bonus	up to 3%	Based on participation in Canvas Discussions

Note: The Canvas Gradebook is programmed to handle the drops mentioned above. Drops will appear in gray in the Gradebook and will change as you acquire more scores.

We will use the following scale:

A [90,100] A- [87,90) B+ [83,87) B [80,83) B- [77,80) C+ [73,77) C [68,73)
C- [64,68) D+ [62,64) D [57,62) D- [55,57) E [0,55)

Your grade is your responsibility. You have exactly one week once your assignment has been graded to discuss that grade. After that week, the grade is final. No additional points will be awarded to “boost” your grade.

Homework: Exercises will be assigned daily in Canvas and usually be due the next day at 1 PM. You may request a 24-hour extension if you need, but work done after the original deadline will be penalized 20%.

Quizzes: Quizzes will be on Wednesdays and Fridays, except on days with exams

Exams: There will be 3 midterm exams in addition to the final exam. The exam dates are provided on the course schedule. Exams will be open in Canvas from 8PM to 11:59PM on their date. Exam assignments will be proctored using HonorLock.

Final Exam: June 18

Attendance Policy: Makeup exams will only be given in case of documented illness or for students participating in official College events. All late work will be penalized. Students will **NOT** be given the opportunity to complete old assignments at the end of the semester to improve their grades. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Calculator Policy: You may need a scientific calculator, or graphing calculators to help with homework questions. Calculators will not be allowed on exams.

Online course evaluation: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Academic Honesty: 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 UF honor code is available here: <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

Students with Disability: Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting disability.ufl.edu/students/get-started. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester

Class Recording: Our class sessions may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voice recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials by students or any other party is prohibited.

Resources: Free tutoring is available at the Teaching Center which is located on the ground level of SW Broward Hall. The regular hours are Monday-Friday, 8am-5pm. Please check the website <http://www.teachingcenter.ufl.edu/> for any changes.

* We reserve the right to make changes to this syllabus if needed. Please check Canvas for changes.

MAP2302 Summer A 2021 Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
May 10 – 14	1.1/1.2/1.3	1.3/1.4	2.2/2.3 Quiz 1	2.3/2.4	2.5 Quiz 2
May 17 – 21	2.6	3.2	3.3 Quiz 3	3.5	Review Exam 1
May 24 – 28	4.1/4.2	4.3	4.4 Quiz 4	4.5	4.6 Quiz 5
May 31 – June 4	Holiday: Memorial Day	4.7	4.9 Quiz 6	4.10	Review Exam 2
June 7 – 11	7.1/7.2	7.3	7.4 Quiz 7	7.5	7.6 Quiz 8
June 14 – 18	7.7	7.8	Exam 3	Review	Final Exam

Exam Dates

Exam 1 May 21
Exam 2 June 4
Exam 3 June 16
Final Exam June 18