

MAP 2302 Elementary Differential Equations Section 0693
MTWRF 4th Period (Time 12:30-1:45 PM) Room LIT 207

Summer A 2022

Instructor: Dr. Jason Harrington
Email: mathguy@ufl.edu
Office: LIT 467
Office Phone: (352) 294-2346

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: I will be available after class 3rd period on MWF or by an appointment.

Grades: Your course grade is based on 3 exams worth 45% total, a final exam worth 20%, homework will count 10% total, Projects will count 15% total and Quizzes will count 10% total.

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 returned to you to discuss that grade. After that week, the grade is final. No additional points will be awarded to “boost” your grade.

Assignment	Weight
Homework	10%
Project	12%
Quizzes	10%
Discussion Board (1% each)	3%
Exams (Three exams, 15% each)	45%
Final Exam	20%

Homework: Exercises will be assigned from the text or through Canvas. These exercises, along with classroom examples will form the basis for all exams. Not every textbook homework assignment will be checked, but it will be randomly collected periodically. You may check Canvas for the assignments.

Quizzes: Quizzes will be done in class or in Canvas and are usually timed. The lowest quiz score will be dropped. Typically, there will be two a week.

Projects: This class will be assigned projects to be submitted through Canvas. Groups will be automatically assigned. We will be using Mathematica which can be accessed for free here: <http://info.apps.ufl.edu/>

Exams: There will be 3 exams in class. The 3 exams dates provided on the course schedule are TENTATIVE. Your final may replace the lowest exam score.

Final Exam Date: June 17 in LIT 205 during 3rd period. (Subject to change)

Attendance Policy: Registration in this course obligates the student to be regular and punctual in class attendance. 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.

Discussion Board Participation: Each module will have a discussion board available to discuss the current content. You may earn credit by participating in the discussion board, either by asking questions or posting answers. Feel free to post questions about homework, quizzes, lectures etc.

Online course evaluation: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>

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. <https://disability.ufl.edu/get-started/> to get started with the Disability Resource Center. 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.

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.

* I reserve the right to change anything in this syllabus if needed. Please check Canvas for changes.

MAP2302, Summer Semester A, 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<div style="border: 1px solid black; display: inline-block; padding: 2px;">May 9th</div> 1 First day of Classes §1.1/1.2/1.3	10th 2 Last day for Drop/Add §1.3/1.4	11th 3 §2.2/2.3	12th 4 §2.3/2.4	13th 5 §2.5
16th 6 §2.6	17th 7 §3.2	18th 8 Withdrawal with 25% Refund §3.3	19th 9 §3.5	20th 10 Fee Payments (by 3:30pm) Exam 1
23rd 11 §4.1/4.2	24th 12 §4.3	25th 13 §4.4	26th 14 §4.5	27th 15 §4.6
30th <hr/> Memorial Day	31st 16 §4.7	<div style="border: 1px solid black; display: inline-block; padding: 2px;">June 1st</div> 17 §4.9	2nd 18 §4.10	3rd 19 Exam 2
6th 20 §7.1/7.2	7th 21 §7.3	8th 22 §7.4	9th 23 §7.5	10th 24 Last day to withdraw and receive a "W". Exam 3
13th 25 §7.6	14th 26 §7.7	15th 27 §7.8	16th 28 Review	17th 29 Last day of Classes Final Exam