

MAP 2302 Elementary Differential Equations Section 0693
MTWRF 3rd Period (Time 11:00-12:15 PM) Room Matherly 0013

Summer A 2023

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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 4th period on MWF or by 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. You can discuss the content of the assignment anytime but grade disputes must be resolved within one week of the graded assignment.

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 or Python 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, 2023

MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY	
May 15th First day of Classes §1.1/1.2	1	16th Last day for Drop/Add §1.2/1.3	2	17th §1.4/2.2/2.3	3	18th §2.3/2.4	4	19th §2.4/2.5	5
22nd §2.6	6	23rd §3.2	7	24th Withdrawal with 25% Refund §3.3	8	25th §3.5	9	26th Fee Payments (by 3:30pm) Exam 1	10
29th Memorial Day		30th §4.1/4.2	11	31st §4.3	12	June 1st §4.4	13	2nd §4.5	14
5th §4.6	15	6th §4.7	16	7th §4.9	17	8th §4.10	18	9th Exam 2	19
12th §7.1/7.2	20	13th §7.3	21	14th §7.4	22	15th §7.5	23	16th Exam 3	24
19th Juneteenth		20th §7.6	25	21st §7.7	26	22nd §7.8	27	23rd Final Exam	28