

MAP 2302: Elementary Differential Equations, Fall 2020

Time: 8/31-12/9 MWF period 5, 11:45 am – 12:35 pm for Class # 16343, Section 5607
period 6, 12:50 pm – 1:40 pm for Class # 16319, Section 3227

Location: Online

Instructor: Chayu Yang

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Office: 428 Little Hall

Office phone: 352-273-5555

Office hours: Through Zoom, MW period 7, 1:55 – 2:45 pm, or by appointment

Course Description: The major objective of this course is to introduce students to the basic concepts and applications of differential equations. The topics include 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: Grade C or better in Calculus 2 (MAC 2313, MAC 2512, or MAC 3473).

Textbook: Fundamentals of Differential Equations and Boundary Value Problems (7th Ed.) by R. Kent Nagle, Edward B. Saff, and Arthur David Snider.

Homework: Homework will be assigned for practice on a regular basis but won't be collected. Keeping up with the homework is extremely important to be successful in this course.

Exams: There will be three in-class exams and a final exam. Tentative dates for the exams are:

Exam 1: 9/25 Friday

Exam 2: 10/23 Friday

Exam 3: 11/20 Friday

Final exam: (Section 5607) 12/18, Friday 12: 30 pm – 2: 30 pm

(Section 3227) 12/16, Wednesday 7:30 am – 9:30 am

Grades: The semester grade will be computed based on three in-class exams (60%, 20% each) and final exam (40%). Final grades are assigned according to the scale:

A = [93, 100] A- = [90, 93)

B+ = [87, 90) B = [83, 87) B- = [80, 83)

C+ = [77, 80) C = [73, 77) C- = [70, 73)

D+ = [67, 70) D = [63, 67) D- = [60, 63)

E = [0, 60)

Communication: It is the student's responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes, by email, or through Canvas. Students are required to use their official UF e-mail address for course-related communications with their instructor.

Attendance and make-up policy: Attendance of each class is expected. No make-up exams will be given for the first three. If students miss Final exam or more than one exam in the first three, make up can be given only under extraordinary circumstances with a documented excuse (usually doctor's note).

Academic Honesty: Students are expected to know and follow the Code of Student Conduct, which can be found at <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

U Matter We Care: Your wellbeing is important to the UF. 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.

Diversity statement: The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

Additional Information

Grades: Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Honor Code: "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](#) 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 instructor or TAs in this class."

Class Attendance: "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>."

Accommodations for Students with Disabilities: "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will

receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.”

Online Evaluations: “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/>.”

Contact information for the Counseling and Wellness Center: <https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.