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Department of Mathematics

College of Liberal Arts
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(<http://clas.ufl.edu/>)

Elementary Differential Equations, Spring 2020

Titles and codes:

Elementary Differential Equations, MAP 2302

Meeting time and place:

MWF 6th Period, CHE 316

Instructor:

Ethan McCarthy

Office:

434 Little Hall, Office Hours: MWF 4th period

Contact:

ethanmccarthy@ufl.edu

Textbook:

Fundamentals of Differential Equations (9th Ed.) by Nagle, Saff, Snider.

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:

Grade of C or better in MAC 2312, MAC 2512 or MAC 3473.

Homework:

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

Exams:

There will be four in-class exams, three midterms (Exams 1-3) and one cumulative final (Exam 4), each with 100 points. The lowest of the first three exams will be dropped. Tentative dates for the exams are:

Exam 1: Wednesday, January 29th

Exam 2: Friday, February 21st

Exam 3: Friday, March 27th

Exam 4: Wednesday, April 22nd

Grading:

Grades are determined by three exams. Final grades are assigned according to a straight scale: 93–100 A, 90–92 A-, 87–89 B+, 83–86 B, 80–82 B-, 77–79 C+, 73–76 C, 70–72 C-, 67–69 D+, 63–66 D, 60–62 D-, 0–59 E.

Attendance and make-up policy:

Attendance is required, and attendance at every class session is expected excepting emergencies and religious holidays. No make-up exams will be given for the first three exams. If students miss Exam 4 or more than one exam in the first three, make up can be given only under extraordinary circumstances with a documented excuse (such as a doctor's note).

Further administrative matters:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>). Students are expected to read ahead in the textbook before class, attend, and participate in class discussions.

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://gatorevals.aa.ufl.edu> (<https://gatorevals.aa.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.

Students requesting classroom accommodation must first register with the

Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

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.

Honor pledge:

UF students are bound by The Honor Pledge, which you must know and follow:

“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 (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/> (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>)) specifies a number of behaviors that are in violation of the code and 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.

