

MAP 2302
Elementary Differential Equations
Summer A 2018

Instructor Information

Meric Augat
Office: Little Hall 405
E-mail: mلاغات@ufl.edu
Website: www.math.ufl.edu/~mلاغات

Course Description

Lecture: MTWRF 3RD Period (11:00AM-12:15PM), Little Hall 205

A large variety of problems in science, engineering and mathematics can be formulated in the language of differential equations. MAP2302 gives fundamental knowledge required for understanding and solving differential equations and their applications.

The course text is *Elementary Differential Equations* by William F. Trench. This is an open access textbook that is freely available for download at the provided hyperlink. Worked solutions to select problems are available [in this link](#), the link can also be found in the textbook.

A printed version of the textbook (chapters 1, 2, 5, 7 & 10) will be made available for purchase at Target Copy on University Avenue (available 13th May). It is not required for anyone to own a printed version of the text, however it is available for a modest price for those who do want it.

Course Breakdown

There will be 3 exams worth 24 points each, 3 in class quizzes worth 9 points each, and a guaranteed 1 point to make the numbers all integers. I will give plenty of suggested homework problems as a way to prepare for the quizzes and exams but **there is no required homework**. However, if you do the suggested homework, then you may turn them all in at the end of the semester for 1 bonus point.

Score	Grade
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

Material Covered

- Chapter 01 - Introduction to Differential Equations
- Chapter 02 - First Order Equations
- Chapter 05 - Linear Second Order Equations
- Chapter 07 - Series Solutions of Linear Second Order Equations
- Chapter 10 - Linear Systems of Differential Equations

Make-ups and Grade Disputes

Make-up exams and quizzes will be given to students who miss exams for valid reasons. In general, acceptable reasons for absence from class include illness, serious family emergencies, special curricular requirements (e.g., field trips, professional conferences), military obligation, severe weather conditions, religious holidays and participation in official university activities such as music performances, athletic competition or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Other reasons also may be approved. In addition, if you are already aware of a conflict with an exam date, then you need to discuss this with you instructor within the first two weeks of class.

If you believe I have unfairly graded an assignment or graded it too harshly, please see me about it within 1 week of getting the assignment back.

Incompletes

Students who are currently passing and have successfully completed a majority of a course but are unable to complete the course because of illness or emergency may be granted an incomplete grade of I which will allow the student to complete the course within the first two weeks of the following semester. Note that incomplete grades are limited to those students who can verify and document a valid reason for not being able to take the final exam. If you meet the criteria and you wish to take an incomplete grade, you must see the instructor

during office hours before finals week to be considered for an I. A grade of I only allows you to make up your incomplete work, not redo your work.

Students with Disabilities

UF welcome students with disabilities into the UF programs. If you have a disability and need accommodations in this course, contact the office of Disability Resources Center (352-392-8565, www.dso.ufl.edu/drc). The DRC will provide documentation to the student who must then provide this documentation to the instructor.

Evaluations

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at 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>.

Academic Honesty

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust, and respect. Students are expected to pursue knowledge with integrity. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act with integrity. Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017). Any suspicious activity during quizzes or exams or plagiarism on the homework will be considered as cheating and violators will be taken to honor court where you may face automatic failure or even expulsion. At the very least, you will receive a zero for the assignment/ assessment and you will not be allowed any additional attempts.