Lei Zhang
Department of Mathematics

Course 1 (Fall 2016) MAP 2302 Elementary Differential Equations section 5592

Time and Location
MWF 3, Little Hall 217 9:35-10:25am.

Office Hour: MWF 12:40-2pm.

Credit: 3

Prerequisites: Grade C or better in MAC 2313, MAC 2512 or MAC 3473

Description and Goals
This course covers the basic theory of ordinary differentiall equations and initial
value problems. It opens with a treatment of first order equations in their various forms
and continues with higher-order constant-coefficient linear equations; it also includes
an account of Laplace transform methods. Throughout, the theory is illustrated by
applications to biology and mechanics.

Homework/Textbook
Homework will be regularly assigned. Pop quizzes will be given and all the problems in the quizzes will be very close to homework problems.

The textbook we shall use is Fundamentals of Differential Equations and Boundary Value Problems, 6th Edition,
by R. Kent Nagle, Edward B. Saff and Arthur David Snider.

Final Grades: There will be four mid−term exams (20% each) and many pop quizzes (20%), all based on suggested homework problems.
The tentative arrangement for the four mid-term exams is

Exam 1 September 12

Exam 2 October 10

Exam 3, November 7

Exam 4 December 7.

A weekly schedule of topics and assignments:
Weeks 1 Chapter 1. week 2-5 Chapter 2, Week 7 Chapter 3, Week 8-11 Chapter 4, Week 12: Chapter 5, Week 13-16 Chapter 7.

Grading Scale:
Grades will then be assigned based upon the following scale: A 90% – 100% B+ 85% – 89% B 80% – 84% C+ 75% – 79% C 70% – 74% D+ 65% -69% D 60%
– 64% E 0% – 59%

Attendance and Late Policy
Attendance of lectures is voluntary. Make-up exams can be allowed if the student can provide documents to verify the EXTREMELY urgent nature of his/her
absence.

ABSOLUTELY NO MAKEUPS WITHOUT MEDICAL DOCUMENTATION. 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

Students that need accommodation
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, 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.

Information on current UF grading policies for assigning grade points:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Information on course evaluation
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/.

Requirements on class attendance, make−up exams and other things:
Students are required to attend all the lectures. Two worst quiz grades will be dropped and no make-up quiz will be given. Make-up exams can only be given
under extremely rare situations and the students must provide convincing documents to show the extremely urgent nature of absence. Look at the following link
for guidance:

https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

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