



Course 1 (Spring 2017) MAP 2302 Elementary Differential Equations section 3142

Time and Location

MWF 3, Little Hall 203 9:35-10:25am.

Office Hour: MTF 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 differential 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 January 23

Exam 2 February 27

Exam 3, March 27

Exam 4 April 19.

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>

