



MWF 4, Little Hall 217 10:40am-11:30am.

Office Hour: MWF 2-3pm.

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 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, 9th Edition, by R. Kent Nagle, Edward B. Saff and Arthur David Snider.

The tentative arrangement for the four exams is

Exam 1 September 24

Exam 2 October 29

Exam 3, November 26

Final exam: Dec 11, 12:30pm-2:30pm

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.

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 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 with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://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.

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

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/>.

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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