



Email: mjury@ufl.edu

Office: Little Hall 484

Office Hours: MWF 3rd hour

Text: Fundamentals of Differential Equations, 9th Edition, by Nagle, Saff, and Snider

The [canvas page](#) for the course should be visible to you within the next 24 hours (by Tuesday, 8/28), there was a delay due to technical issues.

We will treat most of Chapters 8, 9, and 10 from the text. Topics will include power series methods, matrix methods for systems, some topics from Partial Differential Equations, and Fourier series.

Monday 8/27: More about power series; radius of convergence, ratio test, operations on series, Section 8.2

Wednesday 8/29: Power series solutions to linear differential equations, Section 8.3

Friday 8/24: Begin review of power series, Section 8.2

Wednesday 8/22: Introduction to the course, first look at power series methods, Taylor polynomials – Section 8.1

There will be no graded homework, however I will post a list of suggested problems each week, and a set of practice problems for each exam. We will reserve some class time for discussion of the suggested problems and questions. Doing these problems is the best way to prepare for the exams.

Week 2 suggested problems: **8.2** 9,13,15,31,33 **8.3** 1,5,11,13,17,21,25

Week 1 suggested problems: **8.1** 1,5,7,9,11,13,14 **8.2** 3,5,7,8,17,19,21

The course grade will consist of three midterm exams (each counts 1/3 of the final grade). Final grades are assigned according to the standard scale: A: 90 or above; A-: 87-89; B+: 84-86; B: 80-83; B-: 77-79; C+: 74-76; C: 70-73; C-: 67-69; D+ : 64-66; D: 60-63; E: < 60.

Tentative exam dates are as follows:

Exam 1: TBA

Exam 2: TBA

Exam 3: TBA

The final exam (Wednesday, Dec. 12th, 3:00–4:00 PM) will serve as a make-up.

No notes or books will be allowed during exams.

Grades: Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Honor Code: “UF students are bound by The Honor Pledge which states, “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](#) specifies a number of behaviors that are in violation of this code and the 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.”

Class Attendance: “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>.”

Accommodations for Students with Disabilities: “Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://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.”

Online Evaluations: “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/>.”

Contact information for the Counseling and Wellness Center: <https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

