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## Course 1 (Spring, 2015 ) MAP 4305/5304 DIF EQUA EG & PHY SCI/INTERMED DIFF EQUATNS sections 5529/5546

### Time and Location

MWF 2, Little Hall 203 8:30-9:20am.

Office Hour: MHF 12:30-1:30pm.

### Description and Goals

Prerequisite: MAP 2302 is required. It is also desirable to have a decent understanding of a Linear Algebra course.

We will cover much of Chapters 8,9,10 and 11 of the textbook. This includes Series solutions, Matrix methods for systems, some elementary Partial Differential Equations and Eigenvalue Problems.

### 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 three mid-term exams ( 20% each) and a comprehensive final exam (30%). Exams will be based upon the suggested problems. 10% of the grade will come from many pop-quizzes.

Exam 1 Feb 2, 2015 (mid-term)

Exam 2 March 16, 2015 (mid-term)

Exam 3, April 13, 2015 (mid-term)

Exam 4 Final exam, April 30 7:30am-9:30am.

### A weekly schedule of topics and assignments:

Weeks 1,2,3 Chapter 8. Weeks 4,5,6 Chapter 9, Weeks 7, 8 Chapter 10. Weeks 9,10, Chapter 11 Weeks 11- Chapter 12 and possible additional topics.

### 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/](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.

### 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>

