

Course: MAP 2302 MWF 5, LIT 203, section 3146, SPRING 2014

Instructor: J.K. Brooks, LIT 306, jkbrooks@ufl.edu

Office hours: MW 6 obo

Text: Differential Equations and Boundary Value Problems, 6th edition

by Nagle, Saff, Snider

This course is designed to introduce some methods to solve certain types of differential equations. We begin with methods for first order equations.

Next is the UC method for higher order equations, then the Laplace transform and finally series solutions if time permits. It is important to keep up to date on the various methods presented. Problem assignments will be posted on the board in class. Some of the problems and examples in the book may appear on tests.

There will be 4 tests (each weighted the same) given in class: Feb 7, March 14, April 21, April 23. There will be no make up exams – a grade of 0 will be given for a missed test. In the event of a medical emergency an accommodation may be considered with a complete documented doctor's letter. If test dates should change advance notice will be given. Any questions concerning the tests must be asked within one week after they are handed back.

If you should miss a class be sure to obtain notes and assignments from a fellow student since some material may not be in the text but may appear on exams. No aids or calculators are to be used for tests. Any student who plans to participate in the Disability Resource Center must contact me after their first class meeting. If it is ascertained that 6 classes have been missed the grade will be lowered by one letter. **BE SURE TO TAKE ADVANTAGE OF THE BROWARD TUTORING LAB!**

The most severe grading scale is the standard one: 100-90 A, 89-85 B+, etc.

Tentative weekly schedule (problems 1-25 ODD are assigned in each section covered): Jan 6: 1.1,1.2,2.2; Jan 13: 2.3,2.4; Jan 20: 2.4,2.6; Jan 27: 2.6, review; Feb 3: 4.1-4.3; Feb 10: UC method; Feb 17 continue UC; Feb 24: 4.6,4.7; March 10: reviews, test; March 17: 7.1,7.2; March 24: 7.3,7.4; March 31: 7.5 April 7: 7.6,7.7; April 13: 7.8, review.

Student evaluations (last 2 weeks of class) on line at <https://evaluations.ufl.edu>