MAP 4305/5304 Intermediate Differential Equations for Engineers and Physical Scientists
Section 0099/3234. Fall 2013

INSTRUCTOR Lei Zhang, Little Hall 466, 2-0281 ext 264, leizhang@ufl.edu

OFFICE HOURS MWF 2:00pm-3:00pm.

CLASS TIME and PLACE MWF 8:30am-9:20am, Little Hall 127.

TEXT Fundamentals of Differential Equations and Boundary Value Problems, 6th Edition, by R. Kent Nagle, Edward B. Saff and Arthur David Snider

CREDITS 3

PREREQUISITES Grade of C or better in MAP 2302 and in either MAS 3114 or MAS 4105.

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

Homework, Problems and Exams Homework will be regularly assigned. There will be three hourly exams (100 points each) on Sept 11, Oct 9 and Nov 6, respectively and a comprehensive final exam (200 points). All the exams are based on homework problems. It is EXTREMELY important to do ALL homework problems.

Grading Grading scale : A: 450-500; B+: 420-449; B: 400-419; C+: 350-399; C: 300-349; D: 250-299; E: 0-249. ABSOLUTELY NO MAKEUPS WITHOUT MEDICAL DOCUMENTATION. NO REQUESTS FOR EXTRA CREDITS OR EXTRA ANYTHING. NO BARGAINING FOR, OR CHANGING OF, GRADES OR POINTS.

Academic Honesty The course will be conducted in accord with the University honor code and academic honesty policy which can be found in the student guide (http://www.dso.ufl.edu/STG/default.html)

Accomodation for students with disabilities Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Attendance Except for the exams, attendance, while recommended, is not required.