Syllabus for Partial Differential Equations I

Math 535 Fall 2011 – MWF 11:15-12:05 @ Ayres 121

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Course Webpage: http://www.math.utk.edu/∼fernando/Classes/FA11/

Text: *Partial Differential Equations,* Second Editon, by Lawrence Evans. AMS GRADUATE STUD-
IES IN MATHEMATICS, Volume 19. (We may occasionally use other books which will be referenced
at the relevant moment.)

Course contents: We will go over Evans' book Chapters 1 thru 3.2, 3.4 and some of Chapter 4,
plus some extra material depending on time. We are aiming for covering all of the PDE Prelim
Topics.

Course evaluation: There will be homework (30%), one midterm exam (30%), and a final (40%).

Homework: Homework that is assigned for grading should be written up clearly and in a mathe-
matically rigorous way. You will be assigned a set of problems with a due date; since this is a very
large class I will only grade a selected few of them, which will be collected at the due date. To
streamline the process I ask you to bring the problems in separate sheets so you can turn in only
the ones to be graded.

I encourage you to discuss homework problems with your classmates. Nevertheless, the work you
turn in should come out of your own mental process.

Office hours: TBD.