

# Syllabus for Partial Differential Equations II

Math 536 Spring 2012 – MWF 11:15-12:05 @ Ayres 121

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**Course Webpage:** <http://www.math.utk.edu/~fernando/Classes/SP12/>

**Text:** *Partial Differential Equations*, Second Edition, by Lawrence Evans. AMS GRADUATE STUDIES 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 Chapter 3.4 and most of Chapter 4, plus some extra material depending on time. We are aiming for covering all of the remaining 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 mathematically 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.