3450:732 Advanced PDE II
Course Syllabus, Spring 2011

**Instructor:** Truyen Nguyen
Office: Arts and Sciences Bldg., Room 266
Office Hours: M, Tu, F: 9:50AM - 10:50AM or by appointment
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Class Room: Olin Hall 119A
Meeting Times: TuTh 5:10PM-6:25PM

**Textbook:** Partial Differential Equations, by Lawrence Evans

**Course Description:** The course will focus in the study of four partial differential equations: the Laplace equation, the heat equation, Hamilton-Jacobi equation and the scalar conservation laws. Topics will also include the method of characteristics for solving first-order equations and numerical methods for scalar conservation laws.

**Homework:** I will assign homework problems every other week. You will turn these in and I will grade them. I strongly encourage people to collaborate on homework. However, each student must write up his or her own solutions.

**Grades:** Grading will be based on homework assignments. I will assign letter grades using the standard cutoffs: 90 – 100% of the total possible points is an A, 80 – 89% is a B, etc. Pluses and minuses will be added at my discretion.

**Late Homework Policy:** I may occasionally accept late homework. However, people who consistently hand in homework late will be penalized.

**Other Comments:** I will follow the university withdrawal policy, i.e., I will sign withdrawal slips up until Friday, April 8th.