Mathematics 3150 Summer 2005

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Text: *Partial Differential Equation and Boundary Value Problems*, Nakhle Asmar

- **Topics I will cover in priority:**
  Chapter 1 Introduction
  Chapter 2 Fourier Series: 2.1-2.5
  Chapter 3 PDE in rectangular coordinates: 3.1-3.5, 3.7-3.9
  Chapter 4 PDE in Polar and Cylindrical Coordinates: 4.1-4.4
  Chapter 7 The Fourier Transform and its applications: 7.1-7.3
  Depending on time I will try to cover other important sections of the book.

- **Exams and Grading.** Grades are based on the following: your scores on two midterms exams ($\approx 50\%$), the final exam ($\approx 25\%$), and homework assignments ($\approx 25\%$).
  Moreover I consider makeup exams as a last resort, definitely something exceptional, and I will only try to give them to people who told me enough in advance (one week before).

- **Grading Scale.** You will be graded on 100 points. The average of the semester of all these grades will be used to give you your overall grade as a letter following this scale:

95-100	A
90-94	A-
85-89	B+
80-84	B
75-79	B-
70-74	C+
65-69	C
60-64	C-
55-59	D+
50-54	D
45-49	D-
0-44	E

- **Homework.** I will assign homework approximately every two weeks (no late assignments accepted). Only part of the problems of the assignments will be graded.